

ASEA-UNINET Plenary Meeting 2017

Minutes

**Monday, Tuesday and Wednesday
July 17th to July 19th, 2017**

University of Music and Performing Arts Graz

Appendix:

- List of Participants
- Program of the Plenary Meeting incl. Tuesday Morning Excursions
- Sustainability Workshop Minutes
- Sustainability Working Groups Minutes

[Google DRIVE Link to Presentations of the Plenary 2017](#)

<https://drive.google.com/drive/folders/0BzohVwY3GEHXRgt3X1ppaEsxdzA>

Minutes: Matthias Schwaiger, BA

Day 1 (Monday, July 17th, 2017): ASEA-UNINET Plenary Meeting I

Opening Ceremony: Welcome Addresses and Speeches

The rector of the *University of Music and Performing Arts Graz*, Dr. Elisabeth Freismuth, opened the ASEA-UNINET Plenary 2017 and gave a warm welcome to the 130 participants of the first day. She addressed the University's 200-year jubilee, hence making it the oldest Music University in Austria, and said it was an honor to host the 16th Plenary Meeting of the *ASEAN European Academic University Network (ASEA-UNINET)*. Furthermore, Dr. Freismuth underlined the fitting opportunity of hosting an international research network, when considering that approximately 58 percent of enrolled students at the *University of Music and Performing Arts Graz* had an international background. Lastly, she stressed the importance of universities and science in tackling current societal challenges and wished the participants interesting and fruitful discussions.

The President of ASEA-UNINET, Prof. Dr. Carla Locatelli, welcomed the participants, especially thanking the rector of the *University of Music and Performing Arts Graz*, Dr. Elisabeth Freismuth, for hosting the ASEA-UNINET Plenary.

The fact that the network was celebrating its 23rd birthday and 16th Plenary in Graz, was not only clear evidence of a very successful performance in international academic relations, but also a best-practice example of sustainability. She therefore asked, why ASEA-UNINET was such a sustainable reality. Prof. Locatelli stated that one of the reasons certainly was the penetrating vision of Prof. Rode that inspired its foundation. However, the President also stressed that the vision of a single person was not enough to foster 23 years of sustainability in a fast-paced world. Governments, rectors, professors, researchers and dedicated staff with shared values of academic excellence and collaborative sharing in research and higher learning were and will always be crucial to the success of ASEA-UNINET. This would not be possible without the mutual and profound trust within the network.

In order to tackle global challenges, ASEA-UNINET always relied on a collaborative model, the credibility of its member universities and education as the key to achieving a better world. Prof. Locatelli quoted Albert Schweitzer's work *Die Ehrfurcht des Lebens*, agreeing with him that to "share life and pain with everything living around us", was unique to human beings. Accepting this is an essential condition for realizing a sustainable world. President Locatelli thanked Prof. Tjoa for directing this year's sustainability focus and deemed it a positive challenge for the continuation of a very lively ASEA-UNINET. She concluded, by sharing a dream: sustainability can be a common language.

Mag. Ernst Gödl (*Vice-President of the Austrian Federal Council, Government of the Province of Styria, Austria*) welcomed the participants of the *ASEA-UNINET* plenary meeting and elaborated on the province of Styria, talking about its wide variety of landscapes and continued to talk about Graz. He wished the participants a pleasant stay in Graz and hoped to welcome them again soon in Styria.

Prof. Daisy Kopera (*Government of the City of Graz, Austria*) highlighted the most distinct features of Graz, the second largest city in Austria. Not only does the city offer an exceptionally preserved historic town center, but it is also a City of Design. She invited the participants to discover Graz and let themselves be surprised by its variety of facets.

Prof. Dr. DDDDr.h.c. Bernd Michael Rode, Honorary President of *ASEA-UNINET*, warmly welcomed the participants and thanked the *University of Music and Performing Arts Graz*, specifically Dr. Freismuth, for hosting the 16th *ASEA-UNINET* Plenary.

Being part of the network since its beginning, Prof. Rode shared his insights from the establishment process of *ASEA-UNINET*. It started as an idea amongst individuals to join academic efforts and has meanwhile grown to a respectable size, connecting Asian and European universities alike. Prof. Rode continued, by stressing the importance of international academic cooperation and highlighted *ASEA-UNINET* as a best-practice example for good globalization.

Lastly, Prof. Rode elaborated on what differentiates *ASEA-UNINET* from other academic networks. Firstly, the strong focus on research made it unique from the beginning.

Consequently, student exchange was always fostered and facilitated with a focus on graduate-, in particular PhD-studies. Thirdly, *ASEA-UNINET* is a bottom-up network, and hence based on the needs and ideas of the active participants and not a top-down designed theoretical structure to be followed by applicants. These differences have granted the network strong sustainability and thereby long-lasting relations between all scientists involved, creating a family-like structure.

Prof. A Min Tjoa (*ASEA-UNINET* Austrian National Coordinator, Vienna University of Technology) warmly welcomed the participants and said that he would like to go even further back in history, referencing Prof. Rode's welcome address. He highlighted that *ASEA-UNINET* always has been a role-model since its inception and the forming of the first inter-university relations, especially for other academic exchange networks, such as the *ASEAN University Network (AUN)*. Prof. Tjoa continued to talk about this year's sustainability focus, stressing the crucial need for it, and closed by wishing the participants successful and fruitful discussions.

Prof. Ngo Chi Trung (*ASEA-UNINET* Vice-President and Regional Coordinator for South-East Asia, Hanoi University of Science and Technology) warmly welcomed the participants and started by stating his strong satisfaction with the further growth of the network on the *ASEAN* side, now almost having members from all *ASEAN* countries. He continued by stressing the importance and the daily best-practice examples of mutual learning and academic exchange within *ASEA-UNINET*. Prof. Trung strongly underlined his belief of the benefits this exchange and mutual learning could provide to society and closed by wishing everyone a great Plenary 2017.

Prof. Wolfgang Obenaus (*ASEA-UNINET* Vice-President and Regional Coordinator for Europe, Professor at the *Vienna University of Economics and Business*, Austria) warmly welcomed the participants. In his efforts of “trying to say what nobody has said before”, he opened the topic of an inter-continental network and talked about the switch from the *Austrian South-East Asian University Network* to the *ASEAN-European Academic University Network (ASEA-UNINET)*. He underlined his satisfaction with the network growing on the European side. Prof. Obenaus continued to elaborate on the specialty of European university's long history. This allows to share knowledge, which has been collected over centuries, with the younger universities of the *ASEAN* members. He stressed that this does not mean that European universities are richer in knowledge, but underlines that both sides can learn a lot from each other, which is one of the pillars of *ASEA-UNINET*.

Invited Keynote: “Bridging Universities in Asia and Europe with Erasmus+”

Speaker: Mr. Gerhard Volz (OeAD-GmbH - Austrian Agency for International Cooperation in Education and Research, Austria)

(Excerpts of the presentation. For extensive documentation, see the slides under this [LINK](#))

Erasmus program was established in 1987, with 11 European countries participating. Meanwhile, more than 4,000 European and 70 Asian institutions partake in the mobility program. The three key actions of the *Erasmus+* program until 2020 are Mobility, Cooperation and Policy Support.

Erasmus+ International Credit Mobility was introduced in 2015 for exchange between higher education students and staff from partner institutions. Activities are based on bilateral agreements between the respective institutions. The study period ranges from 3 to 12 months. As of 2018, funding for traineeship options will be introduced. The individual support for outgoing students from Austria is €650, for incoming students to Austria it amounts to €850. Furthermore, a travel grant is offered, with the amount depending on the distance between the

exchanging institutions. For staff mobility, the duration can range from five days up to two months, with outgoing staff receiving €160 per day and incoming staff receiving € 140 per day.

The next deadline for the current annual call is February 2018.

Erasmus Mundus Joint Master Degrees offers integrated international Master programs, which range from 12 to 24 months (60 to 120 ECTS). The studies are pursued in at least two different program countries and are fully recognized and accredited. The program offers several advantages to higher education institutions, such as a high degree of visibility in a program of excellence, or an attractive EU co-funding scheme.

Erasmus+ Capacity Building in Higher Education is an action aiming to improve the quality of higher education, while enhancing its relevance for the labour market and society. It also aims to enhance the management, governance and innovation capacities of the involved institutions. For the Capacity Building, two main project types exist. Joint projects focus on the institutional level, while structural projects focus on the Higher Education Systems level. The duration can range from two to three years and the budget varies between €500,000 and €1,000,000. **The next deadline is also February 2018.**

An exemplary project approved in 2015 is the *South East Asia Academy for Beverage Technology*, with *BOKU University Vienna*, *Chulalongkorn University (Bangkok)*, *Kasetsart University (Bangkok)*, *King Mongkut's Institute of Technology Ladkrabang* and several other institutions and companies teaming up.

Advancing University Financial Management Practices in Southeast Asia is an example of a structural project, which was initiated in 2015 and involves partners, such as *FH Joanneum University of Applied Sciences Graz*, *Gadjah Mada University (ID)*, *Sumatera Utara University (ID)*, *Universiti Putra Malaysia (MY)*, *Universiti Teknologi Mara (MY)*, *Kasetsart University (TH)* and *Naresuan University (TH)*.

Invited Keynote: “Global Transformation: Why European and Southeast Asian Universities Should Care about Sustainable Development”

Speaker: Mr. Fred Luks (Head of the Competence Center for Sustainability, Vienna University of Economics and Business, Austria)

(Excerpts of the presentation. For extensive documentation, see the slides under this [LINK](#))

Mr. Fred Luks, Head of the *Competence Center for Sustainability* from the *Vienna University of Economics and Business* (Austria), opened the presentation by asking the audience, who was responsible for the following quote:

“We are resolved to free the human race from the tyranny of poverty and want to heal and secure our planet. We are determined to take the bold and transformative steps which are urgently needed to shift the world onto a sustainable and resilient path. As we embark on this collective journey, we pledge that no one will be left behind.”

He asked, whether *Greenpeace* or *attac* were responsible for this statement and resolved his question, by stating that the General Assembly of the *United Nations* was the author of these clear words.

The next point addressed the impact of human beings on the planet and presented the idea of the Anthropocene, a proposed epoch on the geologic time scale, starting with the first measurable impact of man.

Following this, the term sustainability was introduced and defined as meeting the needs from today without taking away chances from future generations to meet the needs of tomorrow. After a brief history of the term itself and its origination (German literature on forestry), the three partially overlapping spheres (Social, Environmental, Economic) of sustainability were discussed. Mr. Luks then underlined the importance of transformation and its relevance for universities, especially if they wanted to contribute to a sustainable future.

In order to target the aforementioned ecological, social and economic issues, the *United Nations* developed the *Sustainable Development Goals (SDGs)*. As the *SDGs* cover a wide range, four specific areas of action are highly relevant to universities, namely Research, Education, Operations and Third Mission. Breaking down the four areas by the example of the *WU Vienna*, Mr. Luks showed the university's contributions to the four areas:

- Research: *Competence Center for Sustainability*
- Education: *Master “Socio-Ecological Economics and Policy”*
- Operations: *Certified Environmental Management (EMAS, ISO 14001:2015)*
- Third Mission: *Events for public audiences, dialogue with society*

The final point made, addressed the concrete implications for *ASEA-UNINET*. As underlined in the network's mission statement and official song, *ASEA-UNINET* is committed to promoting the "internationalization of education and research" in order to tackle challenges of tomorrow. *ASEA-UNINET* therefore has great potential to contribute to the *SDGs*, being a perfect example of a network that connects regions, universities and researchers. As sustainable development requires global transformation in all areas of modern life, *ASEA-UNINET* can be part of this change and become a key player.

Presentation of Results of the ASEA-UNINET Workshop on Sustainability and preparation for Working Groups in the afternoon

Speakers: Asst.-Prof. Dr. Weena Gera & Niina Novak, M.Sc., B.Sc.

(Excerpts of the presentation. For extensive documentation, see the slides under these LINKS: [Results Sustainability Workshop](#) & [Briefing Working Groups](#))

Dr. Gera started off by outlining the consultation and deliberation process among the workshop participants. For two days, 12 sustainability experts (four from Europe, eight from Southeast Asia) engaged in finding out, where *ASEA-UNINET* stands as a network regarding the contribution to the sustainable development agenda and reviewed sustainability strategies for international research among the members. Lastly, the aim was to reflect on how sustainability could be positioned as a forefront of academic linkages among the members.

Then, critical sustainable development issues and challenges were addressed, such as the Anthropocene and the ongoing debate about defining the framework of sustainable development itself. A special focus was laid on challenges related to the ruling economic model, poverty, human insecurity, inequality and the consequences of climate change, in specific climate-related disasters. In connection with climate injustice, Dr. Gera stressed that those who contribute the least greenhouse gases will be most impacted by climate change. Furthermore, the vulnerability of Southeast Asian countries was highlighted by the example of the Philippines and typhoon *Haiyan*.

Following critical development issues, the need to rethink the complexity of integrated approaches was addressed. The *Sustainable Development Goals (SDGs)* are complex, as they target complex issues, however this can lead to inefficacy. More focused short- to medium-term strategies with a few priorities show promising potential to increase the impact of policymaking.

Lastly, Ms. Novak briefly presented the four working areas and thematic clusters, which were identified as key institutional and programmatic strengths among *ASEA-UNINET* members on sustainability. The areas were chosen to be used as a base for the upcoming Sustainability Working Group Breakout Sessions. Water Management as well as ICT for Sustainable

Manufacturing were the two concrete projects, while Governance and Economy as well as Society and Well-Being were the broad thematic clusters/open enabling spaces.

Invited Keynote: “Presentation on European Initiatives, Programs and Funding Schemes”

Speaker: Mr. Pierrick Fillon-Ashida (European Commission, Research & Innovation, Brussels)

(Excerpts of the presentation. For extensive documentation, see the slides under these LINKS:

[European Initiatives](#) & [Marie Skłodowska-Curie Actions](#))

Introduction to Horizon 2020 and on the EU-ASEAN dialogue

Horizon 2020 is a €80 billion research and innovation funding program going from 2014 to 2020. The project aims to extend the frontiers of scientific knowledge, tackle challenges that affect us all and make industries more competitive. The key priorities of *Horizon 2020* are Open Science (open data, inclusiveness & citizen science, etc.), Open Innovation (venture capital funds, boosting private investment, etc.) and Open to the World (leading & working with multilateral initiatives & international organizations, etc.).

Horizon 2020 is open to universities from the *EU* and beyond. It focuses on societal challenges regarding health, clean energy, transport, etc.

The *EU-ASEAN* Dialogue focuses on exchanging ideas on policies and analyzing instruments and joint priorities. Current projects range from nanotechnology, over infectious diseases to ICT. Any *ASEAN* partner can participate in any calls. Furthermore, there will be targeted openings in certain topics and mobility actions to foster the exchange of scientists.

Focus on Euraxess (euraxess.ec.europa.eu)

Euraxess is a networking tool for European researchers working outside Europe and non-European scientists wishing to collaborate and/or pursue a research career in Europe. It provides information about research in Europe, European research policy, opportunities for research funding, for international collaboration and for trans-national mobility. Furthermore, *Euraxess* is a platform for researchers, entrepreneurs, universities and businesses to interact with each other. Membership is free. The aim of this network is to maintain and strengthen research cooperation between European and non-European scientists.

Information Marie Skłodowska-Curie Actions (MSCA)

MSCA supports the career development and training of researchers in all scientific disciplines through international and inter-sectoral mobility.

The Actions are composed of Innovative Training Networks, Individual Fellowships, Research and Innovation Staff Exchange, Co-funding of regional, national and international programs as well as the European Researcher's Night. Under the mobility grants, 238 *MSCA* fellowships have been granted from 2007 to 2013 for scientific exchange with the ten *ASEAN* member countries.

Q&A with *ASEA-UNINET*

Funding for Non-EU Member States is possible for countries associated to *Horizon 2020*, countries with low or medium per-capita income or low GDP and International European interest organizations. Furthermore, exceptions can be made if stated in the Work Programme, or when provided for under a bilateral scientific and technological agreement.

Further information is available under the following links:

- *Horizon 2020 Participant Portal Research and Innovation European Commission*
<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>
- *Horizon 2020 European Commission:* <http://ec.europa.eu/programmes/horizon2020/>

Lecture: “Green Campus - Sustainable University Buildings and Biodiversity”

Speaker Prof. Jürgen Breuste (University of Salzburg, Austria)

(Excerpts of the presentation. For extensive documentation, see the slides under this [LINK](#))

A growing number of institutions, such as *Harvard University* and the *MIT*, are taking large steps towards sustainable universities in sustainable cities. When planned accordingly, universities can be an island in the urban pattern, functioning as a lighthouse with its innovation and resource efficiency.

Given the special responsibility of universities as role models for sustainable development, the *Green Campus Strategy for Resource Efficiency and Sustainability* was devised. This covers themes ranging from sustainable buildings (energy, CO₂ etc.) to traffic concepts. The *Society for Urban Ecology (SURE)* offers an International Cooperation Initiative for Green Campus with *ASEA-UNINET* Universities. *SURE* has therefore defined five goals:

1. Develop an understanding of the structure and function of urban ecosystems.
2. Advance a balanced interaction between humans and their environments in cities and towns.
3. Foster and develop knowledge and implementation of urban ecology.

4. Strengthen contacts and enrich the dialogue between researchers, practitioners and teachers.
5. Make the collective expertise of urban ecologists available.

Acknowledging three interweaved factors (Open Space System, Ecosystem Services and Functions, Ecosystem Health), the actions taken must be carefully considered and balanced. Several best practice examples show how Green Campus can be achieved, such as *Stockholm University*, which is located in the middle of the *National Urban Park Stockholm* and has an extremely high species richness. Further role-models include the *Medical University Salzburg*, with its green campus, the *Chulalongkorn University*, which developed an existing part of the city, and *Kasetsart University*, with its Urban Farming infrastructure. Greening projects and sustainable infrastructure not only upgrade the appearance of a campus, but also save money, by reducing heating costs, carbon emissions etc.

Prof. Breuste calls on all *ASEA-UNINET* members to render their universities international role-models for sustainability with the support of *SURE*.

Announcement of Recipients of the Bernd Rode Award 2017

Speaker: Prof. Tjoa

The *Bernd Rode Award (BRA)* – named after the founder of *ASEA-UNINET* – is granted for outstanding scientific and higher education collaborations between European and *ASEAN* universities in the framework of *ASEA-UNINET*. The award, financed by Austria, should be awarded every 18 months in three different categories (junior / senior / project-based). The *BRA* was awarded for the first time in 2016 at the Plenary Meeting on Bali and for the second time at this Plenary Meeting in Graz.

The Award is associated with a financial support of up to 5.000 euros to enhance excellent research projects by *ASEA-UNINET* (e.g. travel expenses, research stay).

For the *BRA 2017*, there were substantially more applications (46 in total) than in the last years, especially from Thailand. The applications were reduced to 18 in the second round of selection.

Junior Researcher Category Winners

Dr. Suthida Authayanun (*Department of Chemical Engineering, Srinakharinwirot University*), for the project: *Decentralized high temperature proton exchange membrane fuel cell system for highly-efficient and emission-free power generation*

Dr. Montira Intanon (*Department of Veterinary Bioscience and Veterinary Public Health, Chiang Mai University*), for the project: *Expression and characterization of LacA, a GH42 beta-galactosidase from the human isolate Bifidobacterium breve*

Pensak Jantrawut (*Faculty of Pharmacy, Chiang Mai University*), for the project: *Enhancement of anti-inflammatory activity of polyphenolic flavonoid rutin by encapsulation*

Senior Researcher Category Winners

Assist. Prof. Dr. Soodkhet Pojprapai (*School of Ceramic Engineering, Suranaree University of Technology*), for the project: *Determination of ferroelectric polarization fatigue and surface damage of lead zirconate titanate ceramics under elevated temperatures*

Prof. Dr.rer.nat. Dedi Rosadi, S.Si., M.Sc.Eng.Math. (*Department of Mathematics, Universitas Gadjah Mada*), for the project: *Robust second-order least-squares estimation for regression models with autoregressive errors*

MMag.DI.Dr. Monika Müller (*Department of Pharmaceutical Technology and Biopharmaceutics, University of Vienna*), for the project: *Bioavailability and Bioactivity of Thai Plant Extracts*

Project Excellence Category Winners

Asst. Prof. Thanyada Rungrotmongkol (*Department of Biochemistry, Chulalongkorn University*), Prof. Supot Hannongbua (*Department of Chemistry, Chulalongkorn University*) and Prof. Peter Wolschann (*Institute of Theoretical Chemistry, University of Vienna*), for the project: *Molecular Calculations on the Activity and Development of Drugs*

Dr. Lisa Madlberger (*Institute of Software Technology and Interactive Systems, Vienna University of Technology*), Ade Romadhony, MT (*Bandung Institute of Technology*), Dr.Eng. Ayu Purwarianti ST,MT (*Bandung Institute of Technology*) and Mr. Mochamad Ibrahim (*University of Indonesia*), for the project: *StrikeSensor - Detecting Labor Strikes in Indonesia using Twitter Data*

Day 2 (Tuesday, July 18th, 2017): ASEA-UNINET Plenary Meeting II

Tuesday morning, the *University of Graz*, the *Graz University of Technology* and the *Medical University of Graz* were visited in three separate programs. For extensive documentation, see the slides under these *LINKS* ([TU Graz](#), [TU Graz Sustainable Mobility](#), [Uni Graz Sustainability Research](#)) as well as the programs in the appendix.

Country Coordinators' Reports

(Excerpts of the presentation. For extensive documentation, see the slides in this [FOLDER](#), in case you have a problem to open the link automatically (due to different browser versions) please enter the following link **manually** in your browser:

<https://drive.google.com/drive/folders/0BzohVwY3GEHXU3FqMDBtNUpvRVE>)

EU & Associative Members

Austria represented by Univ. Prof. Dr. Dr.h.c. A Min Tjoa

- Nearly all Austrian universities are part of the network; missing universities: *University of Klagenfurt* and some universities of art, especially *University for Industrial Design Linz*
- 2016/17: approximately 200 projects in cooperation with ASEAN members, financed by the *Austrian Federal Ministry of Science, Research and Economy (BMFWF)*
- New concept for higher flexibility as of 2016: one month stays are available, both for ingoing and outgoing
- *Bernd Rode Award* started 2016; is awarded every 18 months, highlighting excellent research with up to €5,000 in three categories (junior, senior, project-based)
 - 2016: 23 submissions; seven winners in respective categories
 - 2017: 46 submissions; eight winners in respective categories
- *ASEA-UNINET*: enabler for *Ernst-Mach-Grants* for the region of South-East-Asia; very positive feedback from the ministry: nearly 100% success rate for PhD degree completion in Austria
 - Countries of origin: Indonesia, Philippines, Thailand, Vietnam
 - Graduates (music only), postgraduates, PhD students, Post Docs
 - *Ernst-Mach-Grants*: mainly concentrating on PhDs
 - Grant ranges from €1,050 per month (graduates, PhD students, postgraduates) to €1,150 per month (post docs)
 - Duration: maximum nine months, except postgraduates (maximum 36 months → complete PhD-program)
 - 25 *Ernst-Mach-Grant* recipients in 2017

- Next Call: starting in Fall 2017, closing date in March 2018
- National Coordinators Meeting, November 2016 in Vienna
 - New members
 - Sustainability as a focus
 - *ASEA-UNINET* Virtual Centers of Excellence
 - Dual Degrees/Joint Degrees
- Austrian Vietnamese *ASEA-UNINET* Days in Vietnam (December 2016), supported by the Austrian Embassy
 - Universities of Malaysia should similarly come to Austria to promote their research
- Exemplary university visits: University of Trento, Universiti Putra Malaysia and *Hue University of Sciences Vietnam, Vietnam National University of HCMC, Institut Teknologi Bandung, Mahidol University College of Music*
- Approved projects: most dominant partners are Thailand and Indonesia; regarding per university ratio, it shows quite an equal distribution; best practice examples:
 - Restoration of *Affandi Museum (Gadjah Mada University & Danube University Krems)*
 - *StrikeSensor - Detecting labour strikes in Indonesia using Twitter data (University of Indonesia, Institute of Technology Bandung & Vienna University of Technology)*
 - Cooperation Planning between *Yangon Technical University* and *TU Wien*
 - *AIC-ATC-APC Joint Labs 2016 (University of Karachi, Khon Kaen University, Suranaree University of Technology & University of Innsbruck)*
 - *Pictorial Affect! – Articulating Together-ness in Converging Media Environments (Vietnam National University HCMC, Universiti Kebangsaan Malaysia & University of Vienna)*
 - Application of Cleaner Production Principles in Vietnamese SMEs (*Vietnam National University HCMC & Graz University of Technology*)
 - *Neurocritical Care Teaching Course 2016 (Universiti Putra Malaysia & Medical University Innsbruck)*
 - *Workshop Small-Angle X-Ray Scattering (SAXS): A Versatile Method in Nanostructural Research (Universiti Kebangsaan Malaysia & Graz University of Technology)*
 - *International Summer University Thammasat 2016 (Thammasat University & Vienna University of Economics and Business)*

- Masterclasses for violin and chamber music at the *College of Music, Bangkok (Mahidol University & University of Music and Performing Arts Vienna)*
- *Intercultural Media Literacy Studies (MIL Cluster South East Asia) (University of the Philippines - Quezon City, University of the Philippines - Diliman, University of Vienna)*
- Geospatial Applications for Assessing the Potential of Commercial Plantations in Southeast Asia (*University of the Philippines – Mindanao, Mahidol University, Prince of Songkla University, Chulalongkorn University, Chiang Mai University, University of Malaya, University of Indonesia, Udayana University, Diponegoro University, University of Salzburg*)
- **Request by OeAD:** include the following paragraph to potentially increase funding and awareness: “Research reported in this publication was supported by the *ASEAN-European Academic University Network (ASEA-UNINET)*”
- **Reminder by OeAD:** please send PDF of every *ASEA-UNINET* publication including the bibliographical reference to Ms. Barbara Karahan (Barbara.Karahan@oead.at)

Italy represented by Prof. Dr. Maurizio Memo on behalf of Prof. Dr. Roberto Ranzi

- *ASEA-UNINET* Members: *University of Brescia (UNIBS), Politecnico di Milano, University of Genova, University of Trento*
- *University of Brescia:* visits/exchange with several partners, Italian Day on Higher Education in Vietnam, 8 PhD Students exchange (funding for three years, partially including pre-visit of four months, in order to be sure about applicants), 16 Master's Students in 2016/17
- *Politecnico di Milano:* *INTACT* project, *INTERWEAVE* project, 2 PhD Students Exchange and 28 Master's Students exchange in 2016/17
- *University of Genova:* *ERASMUS Mundus, Invest Your Talent 2.0 (Italian Ministry of Foreign Affairs)*, 28 incoming students in 2016/17
- *University of Trento:* *SWAP AND TRANSFER* project, *AREAS+* project,
- Special *UNIBS ASEA-UNINET* event: round table and international conference (Water, Climate, and Socio-economic Impact on Rice Crops: from Local to Global Scale) at the Italian Pavilion at the *EXPO* in Milan
- Signing of the Milan Charter in the name of *ASEA-UNINET* by President Locatelli as well as by Prof. Memo in the name of *UNIBS*

Portugal (*University of Porto*) represented by Prof. Dr. Maria de Fátima Marinho

- Membership in *ASEA-UNINET* since February 2016 (previous strong cooperation with Thailand, also with Vietnam)

- Excerpt of institutional visits: Prof. Wolfgang Obenaus visiting *University of Porto* (discussing priorities for internationalization); Prof. Maria de Fátima Marinho visiting *St. Petersburg Polytechnic University*, as well as *Thammasat University*, *Kasetsart University*, *Chulalongkorn University* and *University of Malaya*
- Excerpt of new collaborations: Portuguese lessons at *Kasetsart University*, several staff members participated in *U.Porto InterWeek* (staff training)
- Key research areas, such as Sustainable Mobility, Agrofood, Ageing, Sea, Creative Industries and Manufacturing

Spain (*University of Murcia*) represented by Ms. A. Eva Sánchez García

- Overview of Murcia's and the University's history
- Overview of educational concept at the *University of Murcia*, including information regarding student facilities
- Challenge: *Erasmus+ Key Action 2 – Capacity Building*: open for suggestions, especially from *ASEAN* partners
- *Erasmus+* mobility grants for 2017/18: 14 for Thailand, eight for Vietnam, 14 for Indonesia

ASEAN Members

Indonesia represented by Prof. Dr. Gamantyo Hendrantoro

- Collaborative activities of present members
 - *ITB*, Bandung: *TU Graz* (Physical Chemistry, Electric Power System), *TU Vienna* (ICT, disaster mitigation)
 - *UGM*, Yogyakarta: *Uni Innsbruck* (Health Science, Management, Chemistry)
 - *UI*, Jakarta: GIS, Sustainability
 - *ITS*, Surabaya: *Uni Wien* (Architecture/Smart City), University Groningen (Biomedical Engineering), *TU Graz* (Microwave Radar), *BOKU* (Dam Risk Management)
 - *UNUD*, Denpasar: *Leoben* (Ceramic → 2016 Bernd Rode Award)
- Members with little current activity incl. potential areas of collaboration:
 - *UNDIP*, Semarang: Traditional Herb Medicine, Disaster Management
 - *USU*, Medan: Traditional Architecture, and Anthropology Sumatranese *Batak* people
 - *UNAIR*, Surabaya: Institute of Tropical Disease, Stem Cell Centre, Protein Engineering Group, Translational Research Group

- *IPB*, Bogor: Agriculture, Coastal and Marine Resources, Surfactant and Bio-Energy, Tropical Biopharmaca, Primates
- **Ministry of Research, Technology & Higher Education: willingness to support through grants → for 2018, five research titles can be proposed in the field of sustainability, in line with the ASEA-UNINET plan for collaborative research**
- Brief overview of universities seeking membership: *Universitas Hasanuddin (UNHAS)*, *ISI Yogyakarta (Indonesian Arts Institute in Yogyakarta)*
- Three 2016 *Ernst-Mach Grants*, five 2017 *Ernst-Mach Grants*, four 2017 *IASP (Indonesia-Austria Scholarship Program)* recipients
- Funding Opportunities in Indonesia: *World Class Professor (WCP)* (foreign professor to Indonesian university), *International Collaborative Research and Publication (PKLNR)*, *Scheme for Academic Mobility and Exchange (SAME)* (sabbatical for Indonesian professors at foreign university), *International Publication Quality Improvement (PKPI)* sandwich scholarship, *Darmasiswa Scholarship* (for foreign students to learn about arts, culture and language)

Malaysia represented by Assoc. Prof. Dr. Mohamad Farizal Rajemi

- Member Universities: *Universiti Utara Malaysia (UUM)*, *Universiti Malaya (UM)*, *Universiti Putra Malaysia (UPM)*, *Universiti Kebangsaan Malaysia (UKM)*, *Universiti Teknikal Malaysia (UTEM)*
- Overview of meetings held in connection with increasing ASEA-UNINET collaboration; excerpt of plans/projects: staff exchange, Austrian-Malaysia ASEA-UNINET DAYS in September 2017, Neurocritical Care Teaching Course at *UPM* in September 2017, Austria-Malaysia workshop
- Brief overview of universities seeking membership
- Malaysian Cooperation with ASEA-UNINET still is thin, but Prof. Rajemi stressed that the willingness and potential to increase cooperation is very high

Pakistan (*ICCBS, University of Karachi*) represented by Prof. Dr. Muhammad Iqbal Choudhary

- Overview of essential personalities in the development of the institution
- Overview of unique features and organizational structure
- Scholarship schemes offered: *NAM S&T Centre-ICCBS Karachi Fellowship*, *TWAS Fellowship Program*, *COMSTECH Visiting Scientists Program*
- Overview of modern facilities and high-end laboratory equipment
- Computational Chemistry Institute including the first cluster computer of Pakistan established with the help of ASEA-UNINET (Prof. Rode); also strong collaboration in

Proteomics, Analytical Chemistry, Structural Biology, Computational Biology, Chromotography

- Overview of trained Chemists from Prof. Rode as well as ASEA-UNINET support
- 1,100 graduates from Austrian universities in Pakistan
- Research trainings offered to ASEA-UNINET members

Philippines (*University of the Philippines*) represented by Prof. Dr. Maria Cynthia Rose Banzon Bautista

- Cooperation with several Austrian universities for Post-Doctoral Fellowships and Research Fellowships
- several *Ernst-Mach-Grants* over the years, with increasing numbers recently
- Asian Studies Program offered to several Austrian students over the years
- *Continuous Operational and Outcomes-based Partnership for Excellence in Research and Academic Training Enhancement (COOPERATE)*: Support for graduate students at early thesis or dissertation or proposal stage, needing to undertake research/creative work at a foreign university

Thailand represented by Assoc. Prof. Dr. Nitinant Wisawaisuan

- 18 Thai member universities: *Burapha, Chulalongkorn, Mahidol, Kasetsart, King Mongkut Institute of Technology - Lad Krabang, King Mongkut Institute of Technology - North Bangkok, King Mongkut Institute of Technology – Thonburi, Chiangmai, Khonkaen, Mahasarakham, Naresuan, Prince of Songkla, Ramkhamhaeng, Suranaree University of Technology, Silapakorn, Srinakarinwirot, Thammasat, Ubon Ratchathani*
- 2016/17 activities
 - Master Class and Lecture in Voice and Piano Accompaniment
 - Hosted by *Mahidol University*
 - Eleven singers and seven singers from three different universities in 2017
 - *Ernst-Mach-Grant* (incl. *Austrian Scientist Exchange Program*)
 - 27 awardees in 2016, 13 awardees in 2017 so far
 - 13 participating Austrian universities with 38 projects and 18 areas of collaboration (Food Biotechnology, Computational Biochemistry, Chemical Engineering, Earth Sciences, Polymer Synthesis and Characterization etc.) in 2017
 - ASEA-UNINET Staff Exchange (one month): 10 Awardees

Vietnam represented by Assoc. Prof. Dr. Ngo Chi Trung

- 10 Vietnamese member universities: *Hanoi University of Science and Technology (HUST)*, *National Economics University, Hanoi (NEU)*, *University of Transport and Communication (UCT)*, *Vietnam National Academy of Music (VNAM)*, *Vietnam National University of Agriculture (VNUA)*, *Hanoi University (HANU)*, *HUE University (HueUni)*, *University of Danang (UD)*, *Vietnam National University - Ho Chi Minh City (VNU-HCM)*, *University of Medicine and Pharmacy - Ho Chi Minh City (UMP-HCM)*
- Visits between Vietnamese universities and partners from Europe
- ASEAN visit to Austrian and Italian universities
- Austrian-Vietnamese ASEA-UNINET Days in Vietnam conducted by Hanoi (*HUST*), Danang (*UD*) and HCM City (*UPM*) as well as 11 members of the Austrian delegation
- Cooperative research projects (14 projects in IT, Mathematics, Bio and Food Technology, Geology, Music etc.),
- Joint training programs and scholarship program (undergraduate, short student courses, Cooperative PhD)
- Numerous joint conferences covering fields, such as IT, Bio and Food, Technology, Medicine and Pharmacy, Music etc.
- Incoming activities include *Erasmus Mundus* projects, scholarship programs etc.
- Joint projects in musical field (*La Traviata* with *KUG* etc.)

Day 3 (Wednesday, July 19th, 2017): ASEA-UNINET Plenary Meeting III

Presentation of New Universities seeking Membership

(Excerpts of the presentation. For extensive documentation, see the slides under this [FOLDER](#))
in case you have a problem to open the link automatically (due to different browser versions) please enter the following link manually in your browser:

<https://drive.google.com/drive/folders/0BzohVwY3GEHXcXZqblZweDBhQTQ>)

Royal University of Phnom-Penh (Kingdom of Cambodia) represented by Dr. Oum Ravy

The *Royal University of Phnomh-Penh (RUPP)* was founded in 1960, making it the oldest public university in Cambodia. It was closed during the Khmer Rouge period and reopened in 1980. In 1999 it became a full member of the *ASEAN University Network (AUN)*.

The facilities currently include two campuses, five faculties, 33 departments and three research centers. *RUPP* employs approximately 800 staff members, of which approximately 10% hold a PhD (designated goal to increase amount gradually). About 19,200 students are enrolled. Its network includes 144 partner universities worldwide, with programs ranging from faculty-/researcher-/student-exchange to joint projects and information sharing. For inbound students, currently six study programs are available, including Khmer Studies for Foreigners and Khmer Literature and Language. Existing research topics cover themes ranging from Indigenous Tourism Strategy Development to Urban Climate Resilience in Southeast Asia Partnership. *RUPP* is ranked number one of the 120 Cambodian universities

Dr. Tieng Siteng (PhD in Material Chemistry) is proposed as *ASEA-UNINET* coordinator.

University of Mandalay (Republic of the Union of Myanmar) represented by Dr. Thida Win

The *University of Mandalay* was founded in 1925 and is the second oldest University in Myanmar. It is located in the center of the Mandalay, which is again situated in the center of Myanmar. Since 2013 the *University of Mandalay* has been a member of *AUN*.

Currently, the university is comprised of 19 departments (12 social science, 7 natural science), 549 teaching staff members, 1872 undergraduates, 1585 post-graduates as well as 850 Diploma and HRD course participants. In total, almost 100 programs on different levels are offered to the students.

Myanmar's new government is open for international relations. The *University of Mandalay* has therefore gradually been building its international network since 2013. It already includes 30 partner universities worldwide, also featuring *Erasmus+* programs and research collaborations. Several possible sustainability research areas exist, which could be further explored within *ASEA-UNINET*. Topics include fields, such as Sustainable Tourism, Migration and Sustainable Management of Water Quality in Mandalay Region.

Hasanuddin University (Indonesia) represented by Prof. Dr. Junaedi Muhidong

Hasanuddin University was established in 1956 and is located in the City of Makassar (two hours flight from Jakarta). It offers 220 hectares of campus with an independent engineering campus (11 hectares), 139 study programs (incl. 5 PhD programs) and a total of 14 faculties. 31,000 students are currently enrolled at *Hasanuddin University*. All of them were accepted in accordance with a highly competitive selection process. Staff comprises 1685 lecturers (904 Doctoral Degree, 271 Professors). 61 partner universities offer opportunities for student and staff exchange. Furthermore, the university campus includes its own production facilities, with produce, such as herbal medicines and coffee.

Hasanuddin University was ranked 8th best University in Indonesia in 2016.

Shiraz University (Iran) represented by Prof. Dr. Ali Akbar Safavi

Shiraz is located in the south of Iran and is known as the cultural capital of Iran, being the hereditary of the ancient Persian capital of Persepolis.

Shiraz University was established in 1946 as *Pahlavi University*. It is considered the first international university of Iran and recently ranked first in *TIMES Comprehensive Ranking of Iran*. The university offers 16 schools, 64 departments, 26 research centers and 430 majors, with several campuses comprising an area of 3000 hectares. Currently, approximately 17,000 students are enrolled, including about 3,500 students PhD Programs. *Shiraz University* employs approximately 700 staff members. In 2016, approx. 1250 papers were published in *ISI Journals* and about 1500 papers were published in *Scopus Journals*.

Possible fields of cooperation include topics, such as Energy, HPC, ICT and Computer Science, Herbal Pharmaceuticals, as well as Water, Pollution, and Environment.

Institut Seni Indonesia Yogyakarta (Indonesia) represented by Ms. Prima Dona Hapsari

The Indonesian Institute of the Arts Yogyakarta (ISI) was founded in 1984 as an amalgamation of three academies. It is the largest arts institution in Indonesia and has three schools (School of Visual Arts, School of Performing Arts, School of Recorded Media Arts) with 11 departments. The departments cover fields ranging from *Batik* and Fashion Design, over Fine Arts to Ethnomusicology. Approximately 2,000 students are currently enrolled in Undergraduate, Master's and Doctorate degrees, while 330 lecturers and 11 professors are employed at the university. Amongst many things, the campus offers studios, pendopo and an art gallery.

ISI ranks 24th in the 2017 *QS World University Ranking by Subject of Performing Arts*. The university has several overseas partners, including Erasmus+ programs. In the course of the *Darmasiswa Scholarship*, 40-50 students learn of Indonesian culture annually. The most

popular courses amongst the students include learning about *Batik* and *Karawitan* (traditional dance).

Hanoi Academy of Theatre and Cinema (Vietnam) represented by Mag.^a Anita Taschler, MA (nominated as representative by the rector)

The presentation started with a video message by the Rector of the Academy, naming Ms. Anita Taschler the representative of the Academy for the duration of the presentation.

Ms. Taschler highlighted the benefits of accepting the *Hanoi Academy of Theatre and Cinema* to *ASEA-UNINET*.

In total, 1,600 students are enrolled at *Hanoi Academy of Theatre and Cinema (HATC)*, of which 100 are Master and PhD students. *HATC* is a full member of *CILECT (The International Association of Film and Television School)* and *ATEC (Asia Theatre Education Center)*. The Academy already has strong ties with several international universities, one being the *University of Music and Performing Arts Vienna (MDW)*, and hopes to increase international cooperation and exchange.

Technical University of Liberec (Czech Republic) represented by Prof. Dr. Ing. Zdeněk Kůs
The *Technical University of Liberec (TUL)* was established in 1953 as a public university. *TUL* offers 8 engineering programmes (eg. Nanomaterials, Advanced Technologies and Innovation) for approximately 7.300 students, while employing over 1,300 staff members.

Since 2012, 60 million *US Dollars* were invested in the university campus and recently it was awarded for having the best student accommodations within the Czech Republic.

The university is in the 251-300 category of the *Times Higher Education World University Ranking* for *BRICS* countries. *TUL* is considered the forerunner for nanofibers and nanoparticles. Further research areas include fields, such as textile engineering, the automotive industry and speech recognition.

TUL has about 180 *Erasmus+* partners and has exchange programs for students, academics, researchers and university staff.

Universiti Teknologi Mara (Malaysia) represented by Prof. Dr. Normah Omar

The *Universiti Teknologi Mara (UiTM)* was founded in 1956 as the *RIDA College* in order to enhance the education of *Bumiputera* people. Currently, approximately 166,000 students are enrolled and about 18,200 staff members are employed. *UiTM* has 26 faculties and offers 500 academic programs. The main campus is supplemented by 12 branch campuses and 22 satellite campuses, making it the largest university in Malaysia. Furthermore, the campus offers separate faculty buildings, such as an engineering building, which contains four separate engineering faculties. The university is in the 701+ category of the 2017 QS *ranking* and in the 801+ category of the 2017 *Times Higher Education* ranking.

The increase of staff and student mobility is a priority for *UiTM*. Several fields of possible cooperation within *ASEA-UNINET* exist, such as Organic Chemistry, Microbiology, Neuroscience, Nanotechnology, Sustainability and Music.

Free University of Bozen-Bolzano (Italy) represented by Prof. Dr. Oswin Maurer

Bolzano is located in North of Italy and is the provincial capital of South Tyrol/Alto Adige. The *Free University of Bolzano* was founded in 1997, the first study programs started in 1998. Currently, the institution offers five faculties (Economics & Management, Education, Computer Science, Design & Art, Science & Technology), three campuses and four teaching languages. Its distinctive features cover trilingual study programs, international faculties and an excellent lecturer/student ratio (1/7). Approximately 3,600 students currently are enrolled, of which 16% are made up of international students (National Average = 3.2 %). In order to be accepted, students must be fluent in two of the offered languages.

The *Free University of Bolzano* has several research clusters, covering fields from Entrepreneurship & Innovation over Tourism, Marketing & Regional Development to Industrial Engineering and Automation.

The university is amongst the ten best smaller universities according to the 2017 *Times Higher Education* ranking and has been named the best small non-state Italian university in the 2017 *Censis* ranking.

Voting and Procedures on New Member Universities

Prof. Tjoa announced that he would act in replacement of President Locatelli, as she had to depart earlier than anticipated. After this, the voting procedure started, requiring representatives to voice any possible objections to accepting the proposed new members. As no objections were raised, each applying member was respectively welcomed warmly in ASEA-UNINET.

- **Royal University of Phnom-Penh (Kingdom of Cambodia)** accepted
- **University of Mandalay (Republic of the Union of Myanmar)** accepted
- **Hasanuddin University (Indonesia)** accepted
- **Shiraz University (Iran)** accepted as associate member (Iran is not within South-East-Asian region, treatment is identical)
- **Institut Seni Indonesia Yogyakarta (Indonesia)** accepted
- **Technical University of Liberec (Czech Republic)** accepted
- **Universiti Teknologi Mara (Malaysia)** accepted
- **Free University of Bozen-Bolzano (Italy)** accepted

→ **All eight present universities were unanimously accepted as new ASEA-UNINET members by acclamation (Resolution One).**

After the warm welcoming of the new member universities, the membership fees were discussed as the next point on the agenda. For ASEAN countries, it was suggested to raise the membership fees to €700. Furthermore, it was suggested to harmonize the fees for European institutions by raising them to the amount for Austrian universities, namely €1050. Lastly, it was stated that the membership fee for associate members (Pakistan, Iran) still was to be determined and the new institutions were reminded of the initial enrollment fee.

→ **The motion to raise the membership fee for ASEAN Countries to €700 and for European universities to €1050 was unanimously accepted by acclamation (Resolution Two).**

Following this, an incoming member queue regarding growing the network was addressed. Prof. Tjoa discussed decisions made in the National Coordinator Meeting for a new membership strategy:

1. After application, the university becomes an Incoming Member (**membership in spe**).
2. National Cooperation is possible.
3. Performance is evaluated after 9 months.

4. Given that the cooperation was active, the university is presented at the Plenary for full membership and the members will vote on its acceptance.

Current members in spe are composed of *University of Teheran, National University of Laos, Hanoi Academy of Cinema and Theater, Vietnam National University – Hanoi, Universiti Malaysia Sarawak (UNIMAS), University Sains Malaysia, University of Art and Design Linz* and *Alpen-Adria-Universität Klagenfurt*.

Elections of National Coordinators, Regional Coordinators and President (2017-2018)

The ASEA-UNINET university coordinators of each country elected the following National Coordinators. **University Coordinators of countries with only one-member university are automatically appointed as National Coordinator.**

- **Austria:** Prof. Dr. A Min Tjoa
- **Czech Republic:** Prof. Dr. Ing. Zdeněk Kůs
- **Germany:** Prof. Dr. Martina Padmanabhan
- **Italy:** Prof. Dr. Carla Locatelli
- **Portugal:** Prof. Dr. Maria de Fátima Marinho
- **Spain:** Ms. A. Eva Sánchez García
- **Indonesia:** Dr. Melda Kamil Ariadno
- **Iran:** Prof. Dr. Ali Akbar Safavi
- **Pakistan:** Prof. Dr. Muhammad Iqbal Choudhary
- **Philippines:** Prof. Dr. Maria Cynthia Rose Banzon Bautista
- **Thailand:** Asst. Prof. Dr. Pattara Aiyarak
- **Vietnam:** Assoc. Prof. Dr. Ngo Chi Trung
- **Cambodia:** Prof. Dr. Tieng Siteng
- **Malaysia:** Assoc. Prof. Dr. Mohamad Farizal Rajemi

Following the election of the National Coordinators, the election of the Regional Coordinators and the President were discussed in an ASEAN and European group.

Assoc. Prof. Huynh Quyet Thang was elected the new president of ASEA-UNINET and warmly accepted by the participants with applause. Following his election, the President gave a short speech in which he outlined the objectives of his presidency, namely promoting research and education as well as increasing the members within ASEA-UNINET.

As Regional Coordinators and Vice-Presidents of *ASEA-UNINET*, Univ.-Prof. Dr. Gabriele Anderst-Kotsis was elected for Europe and Prof. Dr. Mohamad Farizal bin Rajemi was elected for South-East Asia.

Prof. Dr. Gamantyo Hendrantoro was specially elected the Coordinator for Technology, Innovation and Sustainability Projects.

“ASEA-UNINET STUDENTS WEEK 2017 - on Sustainable Development”

Program Presentation by Prof. Melda Kamil Ariadno, PhD, Head of International Office, Universitas Indonesia

(Excerpts of the presentation. For extensive documentation, see the slides under this [LINK](#))

- Two weeks of input (proposed date: 3-16th December 2017) in order to have a broader knowledge and awareness on the importance of sustainability
- Scholarship from *Universitas Indonesia*: program fee waiver and free accommodation for the first nominated student, free accommodation for second nominee
- Introduction to Indonesian culture, in-class lectures on waste- and water-management, economic welfare and demography, community rights protection, poverty eradication, biodiversity preservation, prevention and mitigation of contagious disease
- Internships in health-sector, science & technology, and social & humanities sector
- Language and cultural session: dance, music, *Batik*, cultural visit to Jakarta, maritime and national museum
- Final presentation of the students showing the results
- *UI-Resolv* program for scholar collaboration available

Presentation of ASEA-UNINET Projects on Sustainability for the year 2018 and presentation of Working Group results

Speaker: Dr. Fred Luks

(Excerpts of the presentation. For extensive documentation, see the slides under this [LINK](#))

Before the Plenary started, a Sustainability Workshop was facilitated in order to find out, where ASEA-UNINET stood as a network on matters of sustainability. Based on a previously conducted survey amongst member universities and the available know-how at the workshop, identified thematic clusters were broken down into four working groups. The following day, the question was raised, where the network should go from there, in order to respond to sustainability challenges. The working groups were therefore refined for the sessions during the Plenary.

➔ **For further information regarding the Sustainability Workshop, please see the minutes in the Appendix of this document.**

- Four working groups: Governance & Economy, Sustainable Manufacturing & ICT, Water Management, Society & Well-Being
- Objectives: Enabling spaces for exchange and discourse, New research cooperations focusing on sustainability, Kick-off for new sustainability projects, Implementation plans

Governance & Economy

Landscape transformation & Conflict resolution (Prof. Dr. Martina Padmanabhan, Prof. Dr. Anas M. Fauzi, Asst.-Prof. Dr. Weena Gera)

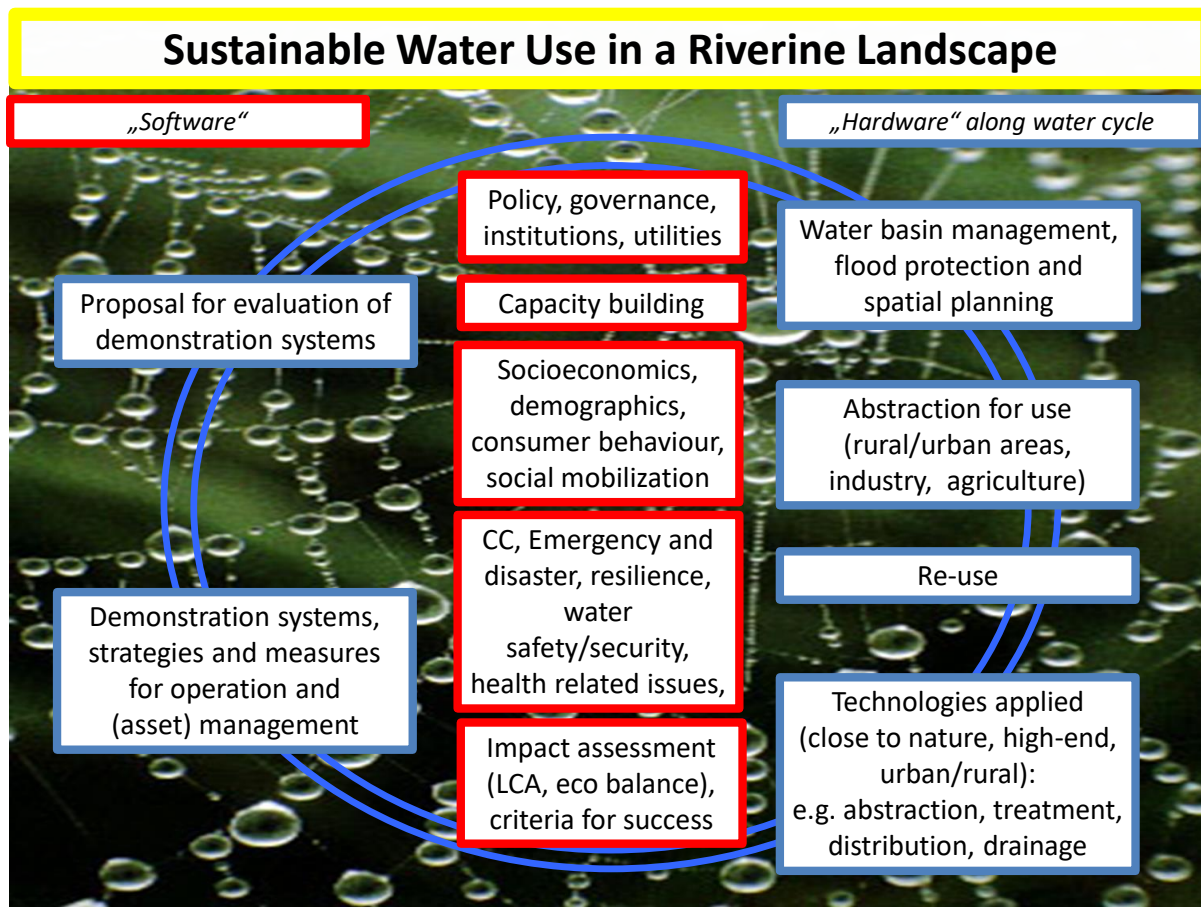
- Objectives: Comparative case studies on conflicts over hydropower, mining and plantations
- Comparative case studies across the region and also understand the nature of the conflict regarding to the resource
- Understand the process & history of the conflict
- Identify involved parties and position of power
- To actually produce science based policy recommendations for regulation
- What is needed: more conceptualization – think of a brainstorming-meeting, pre-project/preparatory meeting
- Potentially Participating Universities: University of Passau, IPB Indonesia, University of the Philippines
- Output: Policy

Social Innovation for Sustainability: Local Entrepreneurship, International Markets & Governance (Prof. Dr. Normah Omar, Dr. Ni Putu Sri Harta Mimba, Dr. Fred Luks)

- SDGs: 1st: reduce poverty, enhance quality of life
- Need to focus: on two groups: individuals (fresh graduate /students) and companies (small medium enterprises)
- linking entrepreneurship with supplier and market to large supermarket/online business
- by providing trainings on governance, financial management, ethics
- make the business more sustainable by focusing on improve of the product

An Assessment of Policy and Investment Decisions on Sustainable Tourism within the framework of Circular Economy & Regional Integration (Dr. Melda Kamil Ariadno, Prof. Dr. Oswin Maurer, Asst. Prof. Dr. Thomas Brudermann)

- What does actually stay in touristic regions?
- How do policy issues impact on tourism, the tourism industry, and the local economy
- Research questions (basic):
 - Do current levels of proceeds staying in the region to allow for sustainable development?
 - Modelling minimum sustainability thresholds of income staying in the region/village
 - Apart from investment and monetary returns, what are the cost to local society of tourism (use of water/hotel room, depletion of locally needed resources, etc)?
 - Concrete policy advice, taking into account more than just monetary factors



- Green color boxes: actions or responsibilities to be sustainable, eg:
 - Water sharing issues,
 - Water diplomacy,
 - Aqua-culture: coupled flood mitigation and rice harvesting,
- Possible three projects
 - Community oriented water supply and sanitation systems and services in rural areas with specific focus on socioeconomic and natural conditions in countries in SE-Asia
 - Transformation of water services in urban areas in SE-Asia
 - Specific challenges for waterborne diseases in water supply and sanitation in SE-Asia
- Annotations
 - In all projects we should have a focus on the "human dimension".
 - Looking for possibilities to mirror the experiences between e.g. Danube River Basin and Mekong River Basin.

- Including specific problems with river basin management and e.g. saltwater intrusion in coastal aquifers and river deltas.
- Project maximum consists of 7 partners,
- 3 years project period,
- 1 PhD student at least from each partner,
- Output: publications,

<u>Sustainable Manufacturing & ICT</u>

Project: Sustainable manufacturing scenarios in 2030 (The ASEAN-EUROPEAN dimension)

- Problem Statement: The sustainability of manufacturing industries. European advance automation technology for product manufacture locally.
- Objectives: To develop strategic foresight/suggestions on sustaining the manufacturing industries in ASEAN & Europe while implementing the advance automation technology
- Research members: Malaysia, Vietnam, Thailand, Indonesia
- Further information (Assoc. Prof. M. Farizal, farizal@uum.edu.my)

Project topic: IoT-based Monitoring for Environmental Impact Prediction

- Project duration: 24 months
- Expected major experts:
 - Environment and Biology, Biodiversity
 - Information Communication Technologies
 - Economy analysis
 - Project management
- University members: Malaysia, Thailand, Vietnam & Europe
- Further information: Assoc. Prof. Dr. Pham Van Tuan (pvtuan@dut.udn.vn)

Smart IoT Solution(s) for Monitoring and Tracking Shrimp production

- Project objectives
 - Principle: Food chain from Farm to Fork
 - Objectives:
 - Monitoring shrimp production by using Good Practices
 - Tracking the origin of shrimp products
- Expertise

- ICT (IoT, BPM, Quality), Logistics, Biologist/Technologist
- Research Method: Scenarios → Processes / Workflows → Technical areas ← technical personnel
- Potential Partners: Europe, Vietnam, Thailand, Indonesia, Iran (*Shiraz University*)
- Further Information: Assoc. Prof. Dr. HOANG Huu Hanh (hanh@hueuni.edu.vn)

Envision the Workplace of the Future in Industry 4.0

- How to go towards industry 4.0 in an „optimal“ way, how / what to teach and train existing and future workers
- Identify factors of positive / negative impact of industry 4.0, solution approaches for sustainability, Include sustainability plan already in the design
- What physical / digital products will the factory of the future produce? What is the impact of moving from production and purchase of physical standardized products towards provisioning digital customizable services on demand?
- Focus on the regional impact in an inherently distributed concept
- Focus on specific branch in manufacturing (e.g. automotive, petrol, food)
 - Expertise / Approach
 - Scenario based analysis, asking the right questions for follow up projects, not having the answers yet
 - Interdisciplinary approach, including engineering disciplines, management, social sciences, education
 - How to measure success of this project? How do we know if we are doing a good job?
 - Participation/Responsibilities: Europe, Vietnam, Malaysia, Thailand
- Further information: Prof. Dr. Gabriele Kotsis (Gabriele.Kotsis@jku.at)

<h3><u>Society & Well-being</u></h3>

Collaborative and Interactive Teaching Course (Neurocritical Care Medicine/Critical Care Neurology (ASEA-UNINET project between the University of Innsbruck, and UPM)

- Strengthening and Extending the Existing Program
 - Successful example of North-South Cooperation in capacity building in health sector
 - Extension of program for another three more years

- Including more countries into this program, in particular ASEAN countries, Pakistan and Iran
- New Proposal: Using Traditional Knowledge and Herbal Medicines in Meeting the Existing and Emerging Health Challenges
 - Epilepsy (no substantial improvement in the treatment of epilepsy in last four decades)
 - Multidrug Resistance Bacterial Infections (Bacterial Infections are difficult or impossible to treat by existing antibiotics)
 - Chronic Disorders (Diabetes has spread to an epidemic proportion)

The First Satellite meeting to decide about the focus areas and projects is planned in January 2018 in Karachi, Pakistan. Local Hospitality will be provided by the host institution.

- Traditional Knowledge and Herbal Medicines Can Help: over 400,000 flowering plants, less than 2% have been exhaustively studied for their potential pharmacological activities and bioactive chemicals.
 - 90 plant - based medicines in clinical practice
 - 25% of all modern medicines are from natural sources
 - Every medicinal plant contains thousands of chemicals, capable of locking particular disease mechanisms
 - Untapped folk knowledge
 - Every nation has its system of medicines and unique medicinal flora.

Modern science can help to use traditional knowledge and resources for the benefit of humanity

- Several teaching courses were already organized in the field of Neurocritical Care Medicine / Critical Care Neurology, another will be held in the beginning of 2018
- Contributing group members: Prof. Dr. M. Iqbal Choudhary, Prof. Dr. Maurizio Memo, Prof. Dr. Nor Kamariah Noordin, Prof. Dr. Abdul Jalil Nordin, Asst. Prof. Dr. Acharawan Topark-Ngarm, Assoc. Prof. Khac Minh Thai, Univ.-Prof. Dr. Erich Schmutzhard

Urban Resilience and Planning

- Problems
 - Urban poor settlements
 - Poor sanitary and health condition

- Critical governance issues
- Environmental degradation
- Urban poverty and inequality
- Inadequate public investment
- Work on missing links with urban development in Europe and South East Asia

Art & Culture

- Art & Culture group for students of *ASEA-UNINET* members
 - Up to two students
 - Participants pay travel expenses
 - Seven day-camp
 - Annual different theme
 - Switch/take turn hosting
 - Support from the network?

Gender & Diversity

- Participants: *Udayana University* (Indonesia), *Royal University of Phnom-Penh* (Cambodia), *University of Trento* (Italy), *Ramkhamhaeng University* (Thailand), *University of Murcia* (Spain), *University of Mandalay* (Myanmar)
- Brainstorming
 - Migration
 - Refugees
 - Family Planning
 - Happiness, Gender & Equality
 - Women in Europe → Capitalism
 - Women in Asia → Philosophy
 - Gender & Sex
- Output
 - Immigration: How does it change the political agenda of a country?
 - The Parameters of gender equality: Pragmatic approach through cross cultural study

Presentation of New Logo and Website (www.asea-uninet.org) by Mr. Andreas

Lichtenberger

- New website available under www.asea-uninet.org
- Old version still available under www.asea-uninet.org/old/
- New interface including member university map
- All subpages were migrated to the new website
- Includes current news and an automatically changing image gallery
- Incorporates the new logo including its color
- Members are asked to share news, pictures and necessary profile pictures with Mr. Andreas Lichtenberger (Andreas.Lichtenberger@oead.at)

→ With great enthusiasm, the new website and logo were unanimously accepted by acclamation.

Address of the elected president and the new team, Preparation for next National Coordinators' Meeting and Plenary Meeting, Miscellaneous topics

The newly-elected President, Assoc. Prof. Dr. Huynh Quyet Thang, thanked the former President, Prof. Dr. Carla Locatelli, for her tireless dedication, which advanced ASEA-UNINET substantially.

He highlighted how important it is to promote the further development of research within the network and keep up the good work with fostering excellent projects and scientists.

Lastly, the President spoke of the responsibility of academia and stressed that responsible science is the key to a prosperous and sustainable future.

LIST OF PARTICIPANTS ASEA-UNINET PLENARY MEETING 2017 (July 17-20 2017)

Nummerierung	Name (inkl. Titel)	University/Institution	attendance
1	Bernd Michael Rode	ASEA-UNINET Office Innsbruck	Austria
2	Christina Duess	Austrian Agency for International Cooperation in Education and Research	Austria
3	Gerhard Volz	Austrian Agency for International Cooperation in Education and Research	Austria
4	Johann Stockinger	Austrian-Philippine Association	Austria
5	Daisy Kopera	City of Graz	Austria
6	Andrea Hörtl	Danube University Krems	Austria
7	Christoph Ramoser	Federal Ministry of Science, Research and Economy	Austria
8	Ernst Gödl	Government of the Province of Styria	Austria
9	Hartmut Kahlert	Graz University of Technology	Austria
10	Gabriele Anderst-Kotsis	Johannes Kepler University Linz	Austria
11	Erich Schmutzhard	Medical University of Innsbruck	Austria
12	Petra Schneeberger Papst	Medical University of Graz	Austria
13	Christina Schönbacher	Medical University of Graz	Austria
14	Karl Peter Pfeiffer	University of Applied Sciences FH Joanneum	Austria
15	Christoph Hauenberger	University of Graz	Austria
16	Doris Knasar	University of Graz	Austria
17	Martin Polaschek	University of Graz	Austria
18	Thomas Brudermann	University of Graz	Austria
19	Thomas S. Hofer	University of Innsbruck	Austria
20	Andreas Dorschel	University of Music and Performing Arts Graz	Austria
21	Elisabeth Freismuth	University of Music and Performing Arts Graz	Austria
22	Gianni Kriscak	University of Music and Performing Arts Graz	Austria
23	Irene Hofmann-Wellenhof	University of Music and Performing Arts Graz	Austria
24	Joachim Ninaus	University of Music and Performing Arts Graz	Austria
25	Klaus Hubmann	University of Music and Performing Arts Graz	Austria
26	Anita Taschler	University of Music and Performing Arts Vienna	Austria
27	Christian Meyer	University of Music and Performing Arts Vienna	Austria
28	Dietmar Haltrich	University of Natural Resources and Life Sciences, Vienna	Austria
29	Reinhard Perfler	University of Natural Resources and Life Sciences, Vienna	Austria
30	Jürgen Breuste	University of Salzburg	Austria
31	Wolf-Dieter Rausch	University of Veterinary Medicine, Vienna	Austria
32	Heinz Fassmann	University of Vienna	Austria
33	Fred Luks	Vienna University of Economics and Business	Sustainability Workshop / Austria
34	Wolfgang Obenaus	Vienna University of Economics and Business	Austria
35	A Min Tjoa	Vienna University of Technology	Austria
36	Andreas Rauber	Vienna University of Technology	Austria
37	Zdenek Kus	Technical University of Liberec	Czech Republic
38	Martina Padmanabhan	University of Passau	Germany
39	Triantafyllos Albanis	University of Ioannina	Greece
40	Eva Sanchez Garcia	University of Murcia	Spain
41	Bambang Sektiari Lukiswanto	Airlangga University	Indonesia
42	Mochammad Amin Alamsjah	Airlangga University	Indonesia
43	Anas Miftah Fauzi	Bogor Agricultural University (IPB)	Indonesia

44	Iskandar Z. Siregar	Bogor Agricultural University (IPB)	Indonesia
45	Junaedi Muhidong	Hasanuddin University	Indonesia
46	Muhammad Iqbal Djawad	Hasanuddin University	Indonesia
47	Mukhamad Agus Burhan	Institut Seni Indonesia Yogyakarta	Indonesia
48	Prima Dona Hapsari	Institut Seni Indonesia Yogyakarta	Indonesia
49	Gamantyo Hendrantoro	Institut Teknologi Sepuluh Nopember (ITS)	Indonesia
50	I Made Suastra	Udayana University	Indonesia
51	Ni Putu Sri Harta Mimba	Udayana University	Indonesia
52	Bambang Wibawarta	University of Indonesia	Indonesia
53	Melda Kamil Ariadno	University of Indonesia	Indonesia
54	Ali Akbar Safavi	Shiraz University	Iran
55	Marco Imperadori	Politecnico di Milano	Italy
56	Maurizio Memo	Universita degli Studi di Brescia	Italy
57	Oswin Maurer	University of Bolzano	Italy
58	Carla Locatelli	University of Trento	Italy
59	Oum Ravy	Royal University of Phnom-Penh	Kingdom of Cambodia
60	Normah Omar	Universiti Teknologi Mara (UITM)	Malaysia
61	Mohamad Farizal Rajemi	Universiti Utara Malaysia	Malaysia
62	Abdul Haseeb	University of Malaya	Malaysia
63	Abdul Jalil Nordin	University Putra Malaysia	Malaysia
64	Nor Kamariah Noordin	University Putra Malaysia	Malaysia
65	Iqbal Saripan	University Putra Malaysia	Malaysia
66	Thida Win	University of Mandalay	Myanmar
67	Muhammad Iqbal Choudhary	University of Karachi	Pakistan
68	Maria Cynthia Rose Banzon Bautista	University of the Philippines	Philippines
69	Maria de Fátima Marinho	University of Porto	Portugal
70	Risyawati Mohamed Ismail	Asian Halal Laboratory(AHAL) Institute	Sustainability Workshop / Malaysia
71	Prajaks Jitngernmadan	Burapha University Thailand	Sustainability Workshop / Thailand
72	Eddy S. Soedjono	Institut Teknologi Sepuluh Nopember (ITS)	Sustainability Workshop / Indonesia
73	Napong Rugkhaman	Thammasat University	Sustainability Workshop / Thailand
74	Weena Gera	University of the Philippines Diliman	Sustainability Workshop / Philippines
75	Sigrid Stagl	Vienna University of Economics and Business	Sustainability Workshop / Austria
76	Chau Nguyen Xuan Quang	Vietnam National University - HCMC (VNU-HCM)	Sustainability Workshop / Vietnam
77	Nawasit Rakbamrung	Burapha University	Thailand
78	Kriengkrai Boonlert-U-Thai	Chulalongkorn University	Thailand
79	Buncha Chinnasri	Kasetsart University	Thailand
80	Acharawan Topark-Ngarm	Khon Kaen University	Thailand
81	Sikan Kulchonchan	King Mongkut's University of Technology North Bangkok	Thailand
82	Sansanee Chaiyaroj	Mahidol University	Thailand
83	Nongnuch Chunbandhit	Office of Higher Education Commission (OHEC) Thailand	Thailand
84	Wanwadee Hinkong	Office of Higher Education Commission (OHEC) Thailand	Thailand
85	Pattara Aiyarak	Prince-of-Songkla University, Hat Yai	Thailand
86	Rampai Sirimanakul	Ramkhamhaeng University	Thailand
87	Satin Soonthornpan	Ramkhamhaeng University	Thailand
88	Suebpong Prabhai	Ramkhamhaeng University	Thailand

89	Anchalee Jansem	Srinakharinwirot University	Thailand
90	Guntima Sirijeerachai	Suranaree University of Technology	Thailand
91	Summitra Vichaikammart	Suranaree University of Technology	Thailand
92	Nitinant Wisawesuan	Thammasat University	Thailand
93	Phanthiwa Chanchongphop	Thammasat University	Thailand
94	Sirintip Boonmee	Ubon Ratchathani University	Thailand
95	Ngo Chi Trung	Hanoi University of Science and Technology (HUST)	Vietnam
96	Huynh Quyet Thang	Hanoi University of Science and Technology (HUST)	Vietnam
97	Hoang Huu Hanh	Hue University	Vietnam
98	Nguyen Quang Linh	Hue University	Vietnam
99	Le Kim Hung	University of Danang	Vietnam
100	Nguyen Thi Thanh Tam	University of Danang	Vietnam
101	Pham Van Tuan	University of Danang	Vietnam
102	Khac Minh Thai	University of Medicine and Pharmacy at Ho Chi Minh City	Vietnam
103	Nguyen Duy Viet	University of Transport and Communications	Vietnam
104	Thai Ha Phi	University of Transport and Communications	Vietnam
105	Nguyen Thi Hai Van	Vietnam National Academy of Music	Vietnam
106	Le Thanh Long	Vietnam National University Ho Chi Minh City	Vietnam
107	Saber Ghasemi	Embassy of the Islamic Republic of Iran	VIP (Embassy)
108	H.E. Songsak Saicheua	Embassy of the Kingdom of Thailand	VIP (Embassy)
109	Kamolwan Sriposil	Embassy of the Kingdom of Thailand	VIP (Embassy)
110	H.E. Phoukhao Phommavongsa	Embassy of the People's Democratic Republic of Lao	VIP (Embassy)
111	H.E. Darmansjah Djumala	Embassy of the Republic of Indonesia	VIP (Embassy)
112	Dewi Kejora	Embassy of the Republic of Indonesia	VIP (Embassy)
113	Pace Sakau	Embassy of the Republic of Indonesia	VIP (Embassy)
114	Ayesha Bahjin	Embassy of the Republic of the Philippines	VIP (Embassy)
115	H.E. Maria Zeneida Angara Collinson	Embassy of the Republic of the Philippines	VIP (Embassy)
116	H.E San Lwin	Embassy of the Republic of the Union of Myanmar	VIP (Embassy)
117	Pierrick Fillon-Ashida	European Commission (DG Research and Education)	VIP (EU)
118	Niina Novak	ASEA-UNINET Head Office	Staff
119	Sabine Göritzer	University of Music and Performing Arts Graz	Staff
120	Daniela Eder	University of Music and Performing Arts Graz	Staff
121	Katrin Detter	ASEA-UNINET Head Office	Staff
122	Andreas Lichtenberger	ASEA-UNINET Network Office (AUNO) - OeAD	Staff
123	Barbara Karahan	ASEA-UNINET Network Office (AUNO) - OeAD	Staff
124	Martha Eipeldauer	ASEA-UNINET Network Office (AUNO) - OeAD	Staff
125	Matthias Schwaiger	ASEA-UNINET Office Innsbruck	Staff



ASEAN - European Academic University Network

Programme For the ASEA-UNINET Plenary Meeting Graz, Austria 17 – 20 July 2017 University of Music and Performing Arts Graz

Registered Participants (Day 1 only): 130

Registered Participants (entire Plenary Meeting): 110

"Arrival" Day Sunday 16-07-17

Day of arrival – check in at Hotel

17.30 – 18.30

Registration

18.00 – 20.00

Welcome Get-together hosted by University of Music and Performing Arts Graz

Location: Palais Meran, Leonhardstraße 15, 8010 Graz

Meeting point for joint walk to the venue: 17:15 – 17:30 in the Hotel Lobby of all 4 suggested hotels.

Day 1 "ASEA-UNINET Plenary Meeting I" Monday 17-07-17

Meeting point for joint walk to the venue: 08:15 – 08:30 in the Hotel Lobby of all 4 suggested hotels.

08.30 - 09.00

Registration

09.00 – 10.15

**Opening Ceremony
Welcome Addresses and Speeches**

*Dr. Elisabeth Freismuth
(Rector of the University of Music and Performing Arts Graz, Austria)*

*Prof. Dr. Carla Locatelli
(ASEA-UNINET President, University of Trento, Italy)*

*Mag. Ernst Gödl
(Vice-President of the Austrian Federal Council, Government of the Province of Styria, Austria)*

*Prof. Daisy Kopera
(Government of the City of Graz, Austria)*

*Prof. Dr. DDDDr.h.c. Bernd Michael Rode
(Honorary ASEA-UNINET President, University of Innsbruck, Austria)*

*Prof. A Min Tjoa
(ASEA-UNINET Austrian National Coordinator, Vienna University of Technology, Austria)*

*Prof. Ngo Chi Trung
(ASEA-UNINET Vice-President and Regional Coordinator for South-East Asia,
Hanoi University of Science and Technology, Vietnam)*

*Prof. Wolfgang Obenaus
(ASEA-UNINET Vice-President and Regional Coordinator for Europe,
Vienna University of Economics and Business, Austria)*

- | | |
|---------------|---|
| 10.15 – 10.35 | Coffee Break |
| 10.35 – 11.00 | Invited Keynote: “Bridging Universities in Asia and Europe with Erasmus+”
<i>Speaker: Mr. Gerhard Volz (OeAD-GmbH - Austrian Agency for International
 Cooperation in Education and Research, Austria)</i> |
| 11.00 – 12.00 | Invited Keynote: “Global Transformation: Why European and Southeast Asian Universities Should Care about Sustainable Development”
<i>Speaker: Mr. Fred Luks (Head of the Competence Center for Sustainability, Vienna
 University of Economics and Business, Austria)</i> |
| 12.00 – 12.30 | Presentation of Results of the ASEA-UNINET Workshop on Sustainability and preparation for Working Groups in the afternoon |
| 12.30 – 13.30 | Lunch Break |
| 13.30 – 14.00 | Invited Keynote: “Presentation on European Initiatives, Programs and Funding Schemes”
<i>Speaker: Mr. Pierrick Fillon-Ashida (European Commission, DG Research & Innovation,
 Brussels, Belgium)</i> |
| 14.00 – 15.00 | Sustainability Working Groups (Breakout Session 1) |
| 15.00 – 15.15 | Coffee break |
| 15.15 – 17.00 | Sustainability Working Groups (Breakout Session 2) |
| 17.00 – 17.30 | Lecture: “Green Campus - Sustainable University Buildings and Biodiversity”
<i>by Mr. Jürgen Breuste (University of Salzburg, Austria)</i> |
| 19.00 – 20.15 | Live Performance <i>by Christof Ressi (live electronics) and Szilárd Benes (bass-clarinet), University of Music and Performing Arts Graz, Austria</i>
Announcement of Recipients of the Bernd Rode Award 2017 |
| 20.15 – 22.00 | Welcome Dinner at MUMUTH hosted by University of Music and Performing Arts Graz
Dinner, live performances and networking
<i>Location: MUMUTH (House of Music and Music Drama), University of Music and Performing Arts Graz, Leonhardstraße 15, 8010 Graz, Austria</i> |

Day 2 “ASEA-UNINET Plenary Meeting II”

Tuesday 18-07-17

- 09.00 – 09.15 Meeting point at the University of Music and Performing Arts Graz
- 09.15 – 09.30 Joint walk/drive to the three different locations
- 09.30 – 11.45 Parallel Program at three different locations (including: University presentation, Campus visit and presentation of sustainability research, initiatives and projects) (for more information please see detailed programs attached)
- *University of Graz*
 - *Graz University of Technology*
 - *Medical University of Graz*
- 12.00 – 13.00 Lunch Break
- 13.00 – 15.00 Country Coordinators’ Reports
- | <u>EU & Associative Members:</u> | <u>ASEAN Members:</u> |
|--------------------------------------|-----------------------|
| • Austria | • Indonesia |
| • Germany | • Pakistan |
| • Greece | • Philippines |
| • Italy | • Thailand |
| • Portugal | • Vietnam |
| • Spain | |
- 15.00 - 17.30 Campus tour + City tour
- 19.00 - 21.30 **Dinner** hosted by the Mayor of Graz, Siegfried Nagl
Location: Townhall, Graz Hauptplatz 1, 8010 Graz
Meeting point for joint walk to the venue: 18:30 – 18:45 in the Hotel Lobby of all 4 suggested hotels.

Day 3 “ASEA-UNINET Plenary Meeting III”

Wednesday 19-07-17

- 09.00 – 10.45 Presentation of New Universities seeking Membership – Session 1
- Royal University of Phnom-Penh (Kingdom of Cambodia)
 - University of Mandalay (Myanmar)
 - Hasanuddin University (Indonesia)
 - Institut Seni Indonesia Yogyakarta (Indonesia)
 - Shiraz University (Iran)
 - National University of Laos (Lao PDR)
 - Hanoi Academy of Theatre and Cinema (Vietnam)
- 10.45 - 11.00 Coffee break
- 11.00 - 11.40 Presentation of New Universities seeking Membership – Session 2
(presentation time per university: 10 minutes)
- Technical University of Liberec (Czech Republic)
 - Universiti Teknologi Mara (Malaysia)
 - University of Bolzano (Italy)

- | | |
|---------------|---|
| 11.40 - 12.30 | - Voting and Procedures on New Member Universities
- Elections of National Coordinators, Regional Coordinators and President (2017-2018) |
| 12.30 – 13.30 | Lunch break |
| 13.30 – 13.45 | “ASEA-UNINET STUDENTS WEEK 2017 - on Sustainable Development”
<i>Program Presentation by Prof. Melda Kamil Ariadno, PhD, Head of International Office, Universitas Indonesia</i> |
| 13.45 – 15.30 | Presentation of ASEA-UNINET Projects on Sustainability for the year 2018 and presentation of Working Group results |
| 15.30 – 15.45 | Coffee break |
| 15.45 – 17.00 | Address of the elected president and the new team, Preparation for next National Coordinators’ Meeting and Plenary Meeting, Miscellaneous topics |
| 19.00 – 21.30 | Dinner hosted by the Governor of Styria, Hermann Schützenhöfer
<i>Location: Orangerie, Graz Burggarten,</i>
Meeting point for joint walk to the venue: 18:30 – 18:45 in the Hotel Lobby of all 4 suggested hotels. |

Day 4 Sightseeing / Social Program

Thursday 20-07-17

- | | |
|---------------|---|
| 09:30 | Meeting point at the University of Music and Performing Arts Graz |
| 11.00 – 13.30 | Zotter Chocolate Manufactory – Zotter Experience
<i>Transfer and Guided Tour</i>
A world renowned manufacturing company of organic and Fairtrade certified chocolate:
https://www.zotter.at/en/zotter-experience.html |
| 13.30 – 13.45 | Flying Lunch (packed lunch) |
| 14.15 – 16.00 | Riegersburg
A medieval castle situated on a dormant volcano above the town of Riegersburg in the Austrian province of Styria. http://www.riegersburg.com/ |
| 16.15 – 18.30 | Buschenschank (Dinner) |
| | Official closing of ASEA-UNINET Plenary Meeting 2017 |
| 19.30 | Return to Graz |

“Departure Day” from Graz

Friday 21-07-17

- | | |
|---|--|
| - | Checking out from hotel and individual departure |
|---|--|

ASEA Uninet site visit at the University of Graz

July 18, 2017

HS 15.11, RESOWI Building (Universitaetsstrasse 15, section B, 1st floor)

-
- 9.30am **Welcome Address** by Peter Scherrer, Vice-Rector for Research and Junior Researchers' Promotion
 - 9.40am **Presentation on the University of Graz and its Internationalization Strategies** by Doris Knasar, Office of International Relations
 - 10.15am **Coffee break**
 - 10.35am **Presentation on "Sustainability at the University of Graz – Selected Research Projects"** by Thomas Brudermann, Institute of Systems Sciences, Innovation and Sustainability Research
 - 10.50am **Presentation on "Sustainability at the University of Graz – Innovative Projects on campus"** by Birgit Natter, Directorate of Resources and Planning
 - 11.05am **Q&A** session for the two presentations on Sustainability at Uni Graz
 - 11.15 to 11.45am **Campus walk with examples on the facilitation of electro mobility** at Uni Graz



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Visiting address: Strassoldogasse 10, 8010 Graz
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doris.knasar@uni-graz.at, international.uni-graz.at

ASEA Uninet site visit at the Graz University of Technology

July 18, 2017

- 9.30 – 9.40 am **Welcome** by the Rectorate: Vicerector for Teaching and Studies:
Univ.-Prof. Dr.- Ing. Detlef HECK
- 9.40 – 10.15 am **Presentation about the Graz University of Technology** (Research
Fields, Fields of Expertise, International Activities, Cooperations,):
Vicerector HECK, time for questions and answers
- 10.15 – 10.45 am **Guided Tour** for two groups
- a) through the **main building** („Alte Technik“) including the new
 „Master Studios“ for Architecture in the attic
- b) visit of the **ABB Robot-Design Laboratory** (Lessingstraße 25)
- 10.45 – 11.45 am **„Sustainability at TU-Graz“**: Presentations by the Dean of the Faculty
of Architecture: Univ.-Prof. Dr.-Ing. Stefan PETERS (Head of the
Institute of Structural Design) and by D.I. Michael CIK (Institute of
Highway Engineering and Transport Planning)
- 11.45 am **Return** to the KUG, Lunch





Medizinische Universität Graz

ASEA Uninet site visit at the Medical University of Graz

July 18, 2017

9.30 am

Welcome Address by Vice-Rector Schober-Trummler

Presentation on the Medical University of Graz

Time Slot for **Questions & Answers**

Campus Walk and tour through **ZMF - Center for Medical Research**
(duration: one hour)

Research Presentation by Dr. Auer

Information on **PhD Programs**

11.45 am

Return to the KUG, Lunch



Sustainability Workshop

Minutes

ASEA-UNINET Plenary Meeting 2017

**Saturday and Sunday
July 15th to July 16th, 2017**

University of Music and Performing Arts Graz

Appendix

- Rationale
- Bio Notes of Participants
- Agenda of Workshop

Sustainability Workshop Part I: Where are we as a network on matters of sustainability? (July 15th, 2017)

Participants

- **Univ.-Prof. Dr. A Min Tjoa**, Vienna University of Technology / ASEA-UNINET, Austria
- **Univ.-Prof. Dr. Sigrid Stagl**, Vienna University of Economics and Business, Austria
- **Assoc.-Prof. Dr. Ngo Chi Trung**, Hanoi University of Science and Technology, Vietnam
- **Dr. Eddy Setiadi Soedjono**, Institut Teknologi Sepuluh Nopember, Indonesia
- **Assoc.-Prof. Dr. Chau Nguyen Xuan Quang**, Vietnam National University – HCMC, Vietnam
- **Dr. Napong Rugkhapan**, Thammasat University, Thailand
- **Asst.-Prof. Dr. Weena Gera**, University of the Philippines, Philippines
- **Dr. Risyawati Mohamed Ismail**, Universiti Utara Malaysia, Malaysia
- **Dr. Prajaks Jitngernmadan**, Johannes Kepler University Linz, Austria
- **Priv.-Doz. DI Dr. Reinhard Perfler**, University of Natural Resources and Life Sciences, Austria
- **Assoc.-Prof. Dr. Mohamad Farizal Rajemi**, Universiti Utara Malaysia, Malaysia
- **Niina Novak, M.Sc., B.Sc.**, Vienna University of Technology / ASEA-UNINET, Austria
- **Katrin Detter, BA**, ASEA-UNINET, Austria
- **Matthias Schwaiger, BA**, ASEA-UNINET, Austria

Welcoming by Mr. Tjoa, including brief description of ASEA-UNINET (organization enabling research partnerships between its member universities in Europe and the ASEAN countries) and a compact overview of the model used to design the workshop (“Design Thinking”)

- Over 100 projects last year
- Founded in 1994
- Competency of selecting academics from ASEAN countries for Austrian scholarships
→ shifting roles, as ASEAN countries are increasingly funding scholarships for Austrians

Rationale & Overview of the Sustainable Development Goals (SDGs) by Ms. Gera

- Sustainable development since 1987 (30 years), initiated by the Brundtland Commission Report
- Key: balance between environmental protection, economic growth, social equity → declared as obsolete in 2013 by Griggs et al. → Anthropocene (“Age of Man”) requires a new definition (“wheel of fortune” → higher complexity, more factors are to be considered)
- Prevailing realities must be taken into account: wealth does not trickle down, the world continues getting warmer, ice keeps melting → humanity is unstoppable,

nothing has changed so far → high vulnerability of South-East Asian countries (20 tropical storms in the Philippines annually)

- 2015 SDGs: new, universally applicable framework (mainstream critics: “no targets left behind”) → complex framework due to complex goals (SDGs are regarded as very progressive)
- National strategies are failing, due to the selective picking of the goals by the decision-makers: “What pleases me, what soothes me?” → focusing on few goals is regarded by some as the key to success
- Hickel (2015) critique: SDG’s constructed in a neoliberal mindset → “the goals require three planets”; poorer countries contribute the least to global warming, yet suffer the most; the modalities of measurement maintain the unattainable goals → would require structural changes to world economy (more contributions to well-being, more equality)
- Where does ASEA-UNINET stand? What roles can academic linkages play? We must position ourselves more strategically.

9:45 Ms. Novak takes over moderation, outlining the goals for the workshop and explaining today’s agenda

MAIN GOAL: Where are we positioned as a network? What knowledge is available within the network? → three levels: personal, national, university

Get-together and building bonds session

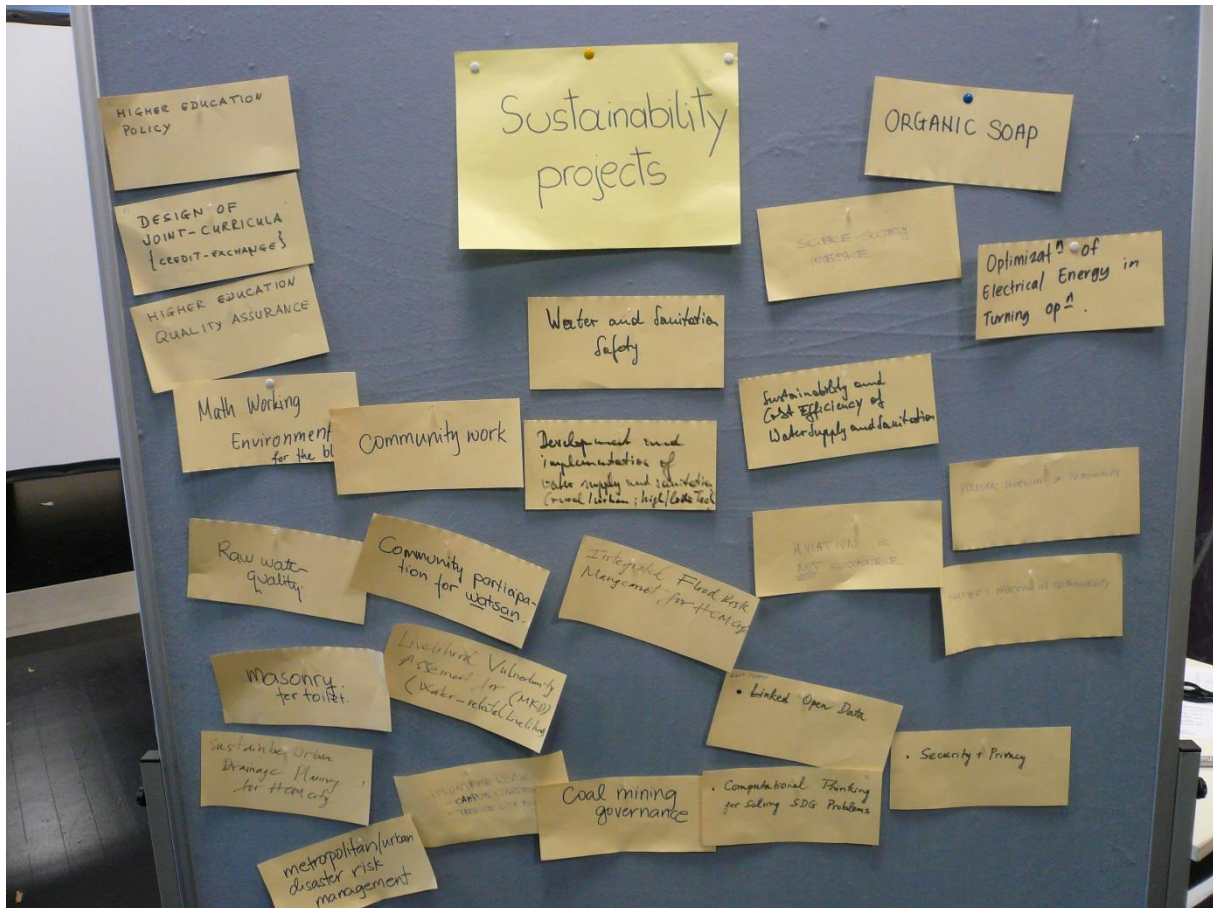
(Team up in groups of two, describe the partner → focus area of work and expertise, personal sustainability project achievements, personal passions)

Personal Dimension: excerpts of the presentations (for extensive documentation, see pictures of key competencies and sustainability projects below)

- Soap production, using natural resources, empowering locals
- Reducing carbon emissions in the energy sector
- Integration of computer and human, enabling blind people to learn mathematics easier
- Raw water quality, sanitation and community participation, constructing toilets, water and sanitation safety, sustainability and cost-efficiency in water supply, specialties of the urban and rural area
- Climate change adaptation (flood risk within rural and urban areas), sustainable water drainage system for Ho-Chi-Minh City
- Political dimension of sustainability

- Linked open data, computational thinking for solving sustainable-related problems
- Shaping higher education policy for the university and Vietnam, designing joint-curricula, higher education quality assurance
- Research on economics, as if the people and the planet mattered; concept: aviation is not sustainable, volunteer work
- Research on governance for sustainable development; coal-mining governance, governance on various levels





National Dimension: excerpts of the presentations (for extensive documentation, see pictures of the individual posters as well as clusters of current issues and existing initiatives below)

Philippines and the SDGs

- Issues of deforestation, inequality, waste-program, mismanagement etc.
- Yet significant growth rates → however: definition of poverty is essential
- Administration: integration of SDGs within Philippine framework
- Designing of programs is very elaborate, implementation must be improved

Urban struggles of the 21st century in Bangkok

- Houses tend to be built in areas prone to flood
- Affordable housing programs do not exist
- Civil liberties constantly declining

Austria and Sustainability

- False belief that Austria is a sustainability role-model
- Alternatives to disembedded markets: economy can only function well, if society and the environment are doing well

- Economic knowledge taught is often one-sided and isolated from essential fields, such as politics
- Better form of globalization is necessary

Computer Sciences and Globalization/Sustainability

- Industry 4.0: robots will be cheaper than cheapest labor forces worldwide → outsourcing is losing its importance, manufacturing can return
- Computational thinking in education
- Big data, artificial intelligence and privacy
- Details to the “Head in the Clouds” project: Digital Learning to overcome School Failure → could also be introduced in ASEAN countries (parallels to “Hole in the Wall” project in India → digital learning without conventional teachers)

Current issue in water safety

- Problems: too much water, too little water, polluted water
- Coastal and riverbank erosion, salinity
- Water governance and management
- Dynamic approach to sustainability problems with risk management program

Teaching mathematics to blind students

- Normally mathematical education in 2D, blind people learn in 1D
- Goal of developing an inclusive math working environment
- Prototype phase currently, trying to convince teachers and provide the resources to them

Sustainable Sanitation in Indonesia

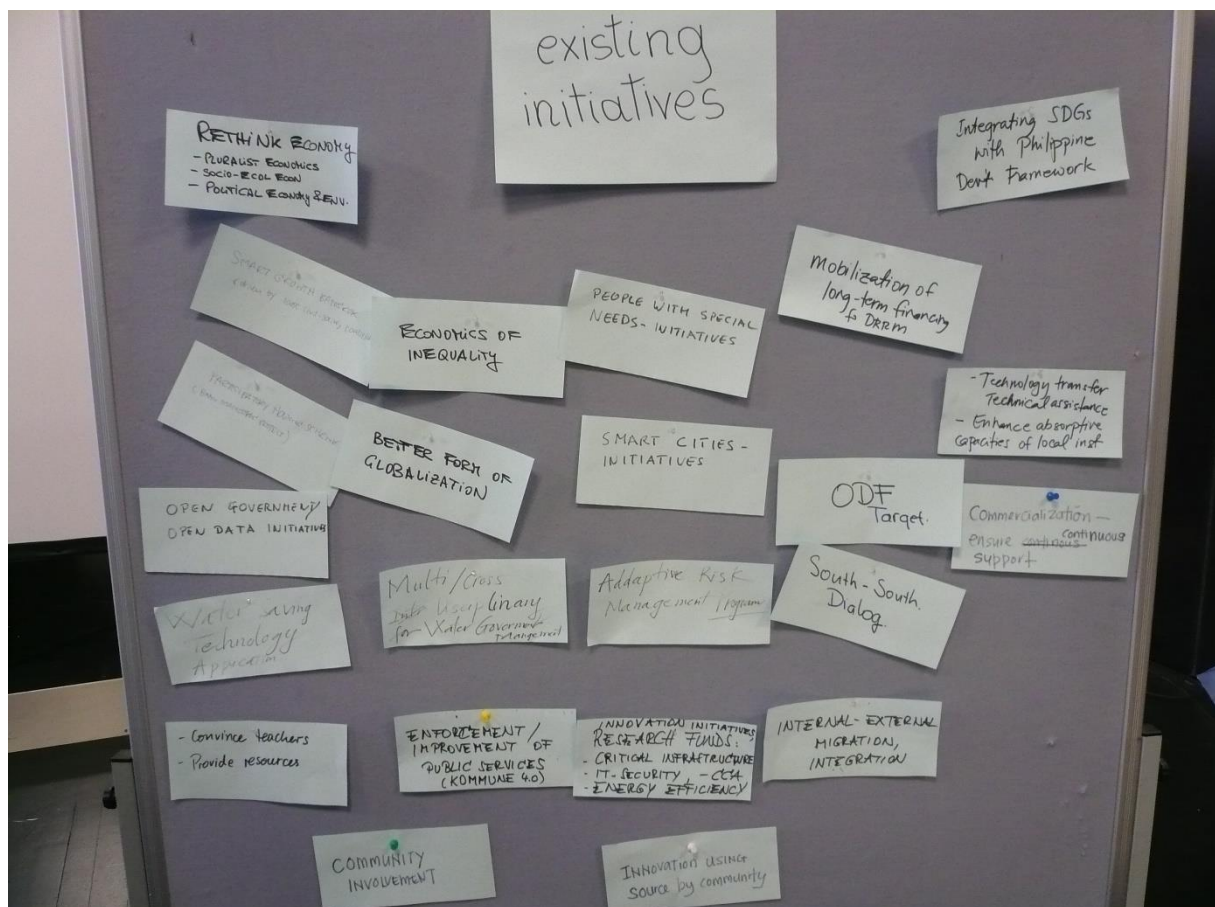
- Problem of different technology standards in countries → recycling water systems for Airbus and NASA as a contrast to basic sanitation
- Indonesia: only 3% of people use pipes to manage waste(-water)
- Sustainable implementation approach: compromise between Top-Down and Bottom-Up approach
- Network should increase cooperation between countries of the Southern Hemisphere, as they can learn most from each other → South-South cooperation is a key to success

Water Management and Sustainability in Austria

- Asian countries are offering open water management benchmarks, Austria is not
- Nitrate reduction in ground water bodies in Austria is an issue
- New programs regarding micro-pollutants in water → no clear limits defined
- Adaptation to climate change in Austria → more irrigation will be necessary to maintain agriculture, natural retention systems along the rivers must be improved
- Migration = challenge for water management in rural and urban areas
- Enforcement and improvements of municipal services

Sustainability through Innovation in Malaysia

- Initiative is mostly top-down from the government: community is fairly uninvolved
- Most projects are conducted by Non-Governmental-Organizations (NGOs): as soon as they are gone, the project can often not be sustained for a longer period
- Efforts have to be continuous and involve consecutive generations → communities are essential
- When empowering impoverished communities, the benefits of new projects must be shown, not the downturns of continuing as usual
- Scientific reports are often written for the library only, therefore the knowledge must be more accessible
- Students can be used as ambassadors for the legacy of sustainability programs
- Human factor: potential economic benefits must be shown
- Best Practice (how can universities be precursors in society): projects of the Halal Lab (AHAL) Institute UUM
 - three specific plants (Sintok, Morianga Olievera, Tunjuk Langit) used for innovation → develop actual products (organic soap, superfood concept, blood sugar stabilizer concept)





15:30 World Café with three tables and three groups

The partner universities filled out surveys before the workshop, regarding existing sustainability projects and research interests.

➔ **For further information, please see the extensive summary of the *Questionnaire on Sustainability* under this [link](#).**

Based on the results of the survey, the seven following categories were defined:

- Food Security and Biodiversity
- ICT, Engineering, Material Science and Innovation (including Chemistry and Physics)
- Economy, Business, Law and Governance
- Medicine and Health
- Energy, Emissions and Air Quality
- Humanities, Society and Culture
- Urban and Rural Development and Disaster Risk Management (Policy and Systems)

Table number one covered category b), table number two covered the categories a), e) and g) and table number three covered c), d) and f). In accordance with a World Café rotation system, each table was visited by three groups. The first group selected the most relevant

aspects and results of the survey, while the second and third group checked for topics that might have been left out. To summarize, the key aspects of the existing projects and the research interests were elaborated and collected on two separate pinboards.

Table number one

- Sustainable manufacturing processors
- Water service, biodiversity incl. water quality
- ICT for development

Table number two

- Smart Agriculture
- Climate change mitigation and urban resilience

Table number three

- South-South cooperation
- Innovation-driven sustainable entrepreneurship
- Tourism
- Migration, Inequality
- Integrated Health Systems incl. Community Medicine, Public Health

Responsible for content: Mr. Matthias Schwaiger, ASEA-UNINET Office Innsbruck. For further questions or proposed alterations, please contact Matthias.Schwaiger@asea-uninet.org

Sustainability Workshop Part II: Where do we go from here to respond to sustainability challenges? (July 16th, 2017)

Participants

- **Univ.-Prof. Dr. A Min Tjoa**, Vienna University of Technology / ASEA-UNINET, Austria
- **Univ.-Prof. Dr. Sigrid Stagl**, Vienna University of Economics and Business, Austria
- **Assoc.-Prof. Dr. Ngo Chi Trung**, Hanoi University of Science and Technology, Vietnam
- **Dr. Eddy Setiadi Soedjono**, Institut Teknologi Sepuluh Nopember, Indonesia
- **Assoc.-Prof. Dr. Chau Nguyen Xuan Quang**, Vietnam National University – HCMC, Vietnam
- **Dr. Napong Rugkhapan**, Thammasat University, Thailand
- **Asst.-Prof. Dr. Weena Gera**, University of the Philippines, Philippines
- **Dr. Risyawati Mohamed Ismail**, Universiti Utara Malaysia, Malaysia
- **Dr. Prajaks Jitngernmadan**, Johannes Kepler University Linz, Austria
- **Priv.-Doz. DI Dr. Reinhard Perfler**, University of Natural Resources and Life Sciences, Austria
- **Assoc.-Prof. Dr. Mohamad Farizal Rajemi**, Universiti Utara Malaysia, Malaysia
- **Dr. Fred Luks**, Vienna University of Economics and Business, Austria
- **Univ.-Prof. Dr. Normah Omar**, Universiti Teknologi Mara, Malaysia
- **Univ.-Prof. Dr. Carla Locatelli**, University of Trento, Italy
- **Niina Novak, M.Sc., B.Sc.**, Vienna University of Technology / ASEA-UNINET, Austria
- **Katrin Detter, BA**, ASEA-UNINET, Austria
- **Matthias Schwaiger, BA**, ASEA-UNINET, Austria

Rationale & Overview of the second part of the workshop

Where to go from here? Several Inputs were given, now a synthesis is required.

- Vision of ASEA-UNINET positioning itself as sustainable organization and communicating this to the plenary members
- Goal is identifying four working groups for the plenary meeting and defining concrete projects
- Morning session will entail choosing the topics to focus on; proposed tables:
 - a. ICT
 - b. Water
 - c. Governance and Economy

11:30 Presentations of the results of the working groups

ICT table: Sustainable Manufacturing Scenario (Leader: Mr. Rajemi)

- Manufacturing industries are mostly located in South-East Asia

- 2030: trend of nations reclaiming production with robots → grim implications for job market → know-how in technology and management/economics necessary for project, in order to predict trends towards 2030

① Sustainable Manufacturing Scenarios
in 2030 (The ASEAN-European
Dimension)

② Expertise

- Advanced Manufacturing
- Robotics / AI / etc.
- Management & Economics
- Data Analytics
- Strategic Planning

③

Uni	ASEAN :	- UUM, UITM (UITM)
		- HUST, NEU
EU :		- KMUTT
		- ITS ITS, ITB
EU :		- TU Wien, TU Graz, WU
		- Trento
		- TU Prague
		- WROCLAW W

④

- 1) ~~Farizal~~ Farizal / ~~Coord~~ Coordinator
- 2) Jitngernmaclan
- 3) Trung
- 4) Tjoa
- 5) Marik
- 6) Gramantyo
- 7) Maurizio

⑤ Virtual Meeting at least once ~~a month~~ ^{in 6 weeks.}
<skype>
Meeting in Person at least once a year.

- NOW
- SUSTAINABLE MANUFACTURING
SCENARIOS IN 2030
(THE ASEAN-EUROPEAN DIVERSION)
- EU → ASEAN
- ASEAN: uni
EU
- MFG tech
- uni
- MKT OVERSEAS
- TECHNICAL
-
- ASEAN
- EU
- IN 10 YRS
- EU ← ASEAN
- MFG Tech
BY POWER
- MFG TECH MIN.
→ Labour + Robot
- NOT SUSTAINABLE?

Water table: Sustainable water-use in river landscape (Leader: joint leadership)

- Water basin management, flood protection and spatial planning
- Abstraction for use (settlements/urban areas, industry, agriculture)
- Technologies applied (technologies as close to nature as possible, urban and rural areas)
- Demonstration systems for promotion, including evaluation systems
- Health: water safety planning incl. aspect of waterborne diseases
- Assessment management

Governance and Economy table (Leaders: Ms. Stagl, Mr. Luks, Ms. Gera) → identification of thematic clusters: suggestion/open for additions

- Governance and Economy
 - Inequality and Migration
 - Social Innovation and Entrepreneurship
 - Regional Integration and Sustainability
 - Circular Economy
 - Political Economy of Rent-seeking and Corruption
 - Populism, Conflict and Sustainability
- Society and Well-Being
 - Integrated Health Systems
 - Urban Resilience and Planning
 - Creativity, Culture and the Arts
 - Gender and Diversity

**ASEA-UNINET Workshop on
“Sustainability in the Forefront of Academic Linkages:
Exploring Pathways for Program Expansion and Collaboration”**

15-16 July 2017, Graz, Austria

RATIONALE

1 Overview

As the global community continues to grapple with growing insecurities and uncertainties - billions continuing to live in poverty, rising inequalities, conflicts, and glaring disparities in wealth and opportunity, amid climate change threats - the imperatives for sustainability become increasingly pronounced. Sustainability puts emphasis on managing and promoting socioeconomic development with full consideration of ecological limits. Essentially, it seeks to balance the three dimensions of sustainable development: the economic, social and environmental, creating inclusive societies. The 2030 Sustainable Development Agenda, adopted at the United Nations Sustainable Development Summit on 25 September 2015, brings forth the challenge of achieving 17 Sustainable Development Goals (SDGs) with 169 associated targets designed comprehensively to mobilize countries to improve the lives of people everywhere. This new development agenda for global action builds on the uneven progress of the Millennium Development Goals (MDGs) toward integrated solutions where no one will be left behind, particularly the poorest and most vulnerable.

One of the key strategies devised to achieving the Agenda is through a revitalized global partnership that produces concrete policies and actions, mobilize financial resources, and facilitate capacity-building and transfer of technology, particularly toward addressing the needs and priorities in developing countries. Governments, international organizations, business and other non-state actors including the academia are expected to make contributions to strengthen the developing countries' scientific, technological and governance capacities. However, amid numerous innovations and tools developed for sustainability, the complexity of concepts, dimensions, the inter-sectoral coordination and multi-stakeholder configurations that the framework entails, have exasperated practitioners and policy-makers. In particular, governments tend to disregard the framework amid continuing uncertainties and debates about the science of sustainability (i.e. of climate change) vis-à-vis immediate economic priorities. The academic community and intellectuals, policy experts and scientists are in a locus to offer pragmatic perspectives and courses of action to inform nation-states policy making to uphold the SDGs as a national priority toward a formulation of clear and concrete implementation strategies.

Against this backdrop, the ASEA-UNINET is organizing a sustainability workshop to be held on 15-16 July 2017, which constitutes as a prelude to the network's Plenary Meeting on 17-20 July 2017 in Graz, Austria. The workshop aims to bring together sustainability experts and specialists across different scientific fields within the ASEA-UNINET network to conceptualize an integrated sustainability framework, which the network can pursue. It aims to foster exchange of ideas, collective analysis, and matchmaking of expertise and interests

to strengthen partnerships among members. Brainstorming sessions during the workshop are envisaged to generate ideas for project collaborations and expansion of programs, particularly for intra- and inter-regional multidisciplinary research, innovation and capacity-building programs within the framework of sustainability.

We underscore the crucial role and comparative advantage we hold as a relevant, adequately resourced, and effective ASEAN-European academic network in supporting the achievement of the SDGs. There has never been a critical time for universities and scholars to push for their responsibility in bringing in scientific information and analysis toward evidence-based policy-making. The SDGs are supposed to be a worldwide transformation project. In close consultation with governments and civil society, we must continue to usher such transformation for sustainability and resilience. Beyond researching technical solutions, it is also our mission to focus on the human processes, and design responsive paradigms and initiatives that equip stakeholders with appropriate mindsets and leadership approaches.

2 Goals and Objectives

The three main goals and corresponding objectives of the workshop are:

- 1) To take stock on where we are as a network in terms of contribution to the sustainable development agenda. First, we will assess how responsive are we to this global challenge to meet the SDGs, identify strengths and gaps in our scope of work.
 - To document/conduct a broad mapping of existing wealth of knowledge, research, experiences, and practices of partner universities on the area of sustainability; and examine how members understand the framework of sustainability
 - To identify the scientific strengths, areas of key expertise, interests, and networks among members, including focal resource experts who can lead, spearhead, or coordinate sustainability projects
 - To broadly assess what works, or what does not, among ongoing sustainability projects and programs, and identify enabling or constraining conditions.
- 2) To reflect on how we can position sustainability as a forefront of academic linkages among our members. Most crucially, we will identify pathways for program expansion within the sustainability agenda and deliberate on the trajectory of programs, projects and collaborations. We will explore and deliberate the vision, key themes and agenda to be considered as focus programs for the network. Ultimately, the goal is to conceptualize an integrated sustainability framework for intra- and inter-regional multidisciplinary research, innovation and capacity-building projects among our members.
 - To revisit the network's current social capital, identify needs and gaps (e.g. identify current and potential funding sources and partners that can be tapped for program expansion, technology support, external partners) in scientific cooperation.
 - To identify appropriate models, frameworks, methodologies, and tools for sustainability research and other forms of collaboration (e.g. centers of excellence for sustainability) within the network

3) To prepare the content and program for the ASEA-UNINET Plenary Meeting Working Groups on the topic of sustainability.

- To present the workshop output to all ASEA-UNINET member universities, particularly the priority areas decided during the workshop.
- Set the tone to form strategic-partnerships and formulate key implementation strategies for ASEA-UNINET sustainability projects
- To identify “Sustainability Mentors” to lead Working Group discussion

We also invite the sustainability experts, specialists, researchers and scholars participating in the workshop to share their work on sustainable development/sustainability, identify critical imperatives, urgent concerns and gaps in intervention within the sustainability discourse that ASEA-UNINET member universities can pursue and/or prioritize.

Experts are enjoined to suggest program options for ASEA-UNINET members to focus on, contribute and collaborate as well as to help design an integrated sustainability framework.

3 Survey of Existing Programs and Interests of ASEA-UNINET members: Emerging Themes

Although sustainable development covers cross-cutting issues, we have identified preliminary key themes and priority areas of work based on the responses from a short survey conducted on existing programs and expressed interests of ASEA-UNINET member universities. These themes can serve as reference points for deliberation during the workshop.

a. Food Security and Biodiversity

social agriculture ♦ Improving animal health and welfare in organic cattle ♦ transformation of agriculture into bioeconomy ♦ Micro-organisms, probiotics, microbial-based fertilizers, food safety ♦ sustainable agriculture development ♦ scientific evaluation of natural product for nutrition food development ♦ alternative protein source ♦ new high-value nonconventional products ♦ agricultural impact on water pollution ♦ biological materials ♦ polymer product engineering ♦ food quality ♦ sustainable and ethical consumption ♦ sustainable fishery ♦ sustainable management of protected areas ♦ biodiversity ♦ animal protection ♦ natural resources conservation ♦ resource recovery

b. ICT, Engineering, Material Science and Innovation (including Chemistry and Physics)

web-based guidance tool for nanotech industries ♦ ICT 4D ♦ STEM research ♦ Digital Inclusion ♦ pervasive computing ♦ Mechatronic Design and Production ♦ Applied Geovisualization technique ♦ Industry 4.0 (Automation, IoT, Security...) ♦ smart technologies for rural development ♦ Machine learning ♦ Decision support system ♦ sensors for supervising air quality ♦ coding for social impact ♦ computational biology/chemistry ♦

green photochemistry ♦ Analytical Chemistry ♦ Safety Engineering ♦ Eco-Engineering Design ♦ Environmental Engineering ♦ Transportation Engineering ♦ Structural Engineering and Mechanics ♦ biological monitoring system for water pollution ♦ Co-Creating Big Data for Radical Policy Innovation ♦ Visual Journalism ♦ Electronic waste management system ♦ computer-aided flood-risk assessment ♦ plastics & circular economy ♦ recycling and recompounding ♦ plastics for solar technologies ♦ Physics of soft condensed matter (Biodegradable, green electronics, Imperceptible, bio-integrable electronics, Soft sensor systems for mobile health, Energy harvesting with elastomers) ♦ Additive Manufacturing Processes: Design, Material and Performative implications in Architecture ♦ Modern Manufacturing

c. Economy, Business, Law and Governance

Social and solidarity economies ♦ Green economy ♦ Social economy ♦ Sustainable reporting ♦ Intellectual capital reporting ♦ Sustainable management accounting ♦ Sustainable management ♦ Sustainable socio-economic development ♦ Controlling and Consulting ♦ Sustainable Entrepreneurship ♦ Corporate Social Responsibility ♦ Business Ethics ♦ Quality and Sustainable/Indigenous Tourism ♦ Co-Creation Spaces ♦ Managerial Finance ♦ Rapid, Inclusive, sustained economic growth ♦ Green Growth ♦ Green Supply Chain Management ♦ Green Logistics ♦ Quantifying the economic value of ecosystem services ♦ Impacts of climate change on economy ♦ Contract sustainability ♦ Environmental law ♦ Impacts of multinational corporations on global development ♦ Socio-political, economic, business and legal frameworks and systems ♦ Transparent, accountable and participatory governance ♦ aligning government mission ♦ Corporate Social Responsibility (CSR)

d. Medicine and Health

HIV ♦ Neurocritical care ♦ integrated hematology ♦ infectious diseases ♦ biomedical research ♦ health, wellness and lifestyle diseases ♦ herbal medicine ♦ tuberculosis ♦ active and healthy aging ♦ life extension technique ♦ human and disease genomics ♦ HLA typing ♦ child malnutrition ♦ immunology for human health ♦ primary care ♦ mental psychological and physical health ♦ pesticide contamination and chronic kidney disease ♦ asthma ♦ Filariasis ♦ medical robotics ♦ anticancer ♦ integrational elderly care centers ♦ gene mutations ♦ virology ♦ malaria eradication ♦ stem cells and immunotherapy

e. Energy, Emissions and Air Quality

new, renewable and sustainable energy ♦ Reduction of energy poverty ♦ Energy saving ♦ biomass ♦ new generation/organic solar cells ♦ future-oriented energy systems ♦ energy optimization ♦ algae as bio-energy ♦ solid oxide fuel cell ♦ bio-gas, bio-fuel ♦ air pollution emission factor development ♦ pollution control ♦ CO2 Emission Cutting ♦ freshair study

f. Humanities, Society and Culture

Gender mainstreaming ♦ poverty reduction of the poor and vulnerable ♦ poverty reduction challenges ♦ music as part of human development ♦ artistic sustainability ♦ sustainable

development of research in the humanities ♦ conflict resolution ♦ cultural heritage ♦ support of people with special needs ♦ Diversity Management ♦ Socio-economic integration of migrants ♦ Self-determined living of elderly people ♦ sustainable housing and aging ♦ communication ♦ intercultural competences ♦ Green university ♦ SDGs in tertiary education ♦ Education on Sustainability ♦ Open training courses for promoting lifelong learning ♦ Social Innovation

g. Urban and Rural Development and Disaster Risk Management (Policy and Systems)

water resource management ♦ alternative water supply systems ♦ sustainable water use ♦ assessment of water quality ♦ urban climate resilience ♦ integrated environmental sanitation concepts for poor ♦ drinking water ♦ Green Building ♦ impact of climate hazards in coastal communities ♦ metal pollution in street dust ♦ waste management ♦ sewage treatment ♦ urban flood management ♦ disaster mitigation ♦ climate compatible development ♦ Adaption development ♦ housing-development ♦ inclusive, safe, resilient and sustainable settlements ♦ housing for the poorest ♦ development of amphibious homes for vulnerable populations ♦ Smart and Sustainable Transportation System (SSTS) ♦ Eco-Social Design ♦ MIA - Metabolic Impact Assessments ♦ Sustainable Cities & Communities ♦ Sustainable Mobility/Sustainable Infrastructure Development ♦ Mobility for all ♦ impact of climate change and sea level rise on transport infrastructure

4 Organization

The Workshop, which will take place on July 15th and 16th, functions as a pre-event for the ASEA-UNINET Plenary Meeting at the University of Music and Performing Arts Graz from July 17th to July 20th 2017.

The output of the two-day workshop (July 15th + 16th) will be presented in three sessions (à 90 min) at the ASEA-UNINET Plenary Meeting, on July 17th and 18th. The presence and commitment of the sustainability experts in these sessions is expected and greatly appreciated.

For further questions and registration, please contact:

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BIONOTES

FRED LUKS

Fred Luks is Head of the Competence Center for Sustainability at the Vienna University of Economics and Business. He has been involved in sustainability-related research, teaching and management for many years. He was chair of the *Vereinigung für Ökologische Ökonomie*, an association of researchers active in ecological economics. Previously, he has been principal investigator of an interdisciplinary research project, guest professor at the University of Hamburg, and sustainability manager of a large corporation. He is the author of numerous publications on sustainability-related topics, including eight books.



WEENA GERA

Weena Gera is Assistant Professor of Political Science at the University of the Philippines Cebu. She is currently OeAD-ASEA-UNINET's Research Fellow (Institute of Forest, Environmental and Natural Resource Policy at BOKU, Vienna with Ernst Mach Grant and Vienna University of Economics and Business WU, Vienna with Austrian Federal Ministry of Science, Research and Economy Grant). Her current research focuses on regulatory configurations in sustainability governance in fragile states, particularly within Asia and the Pacific. She has published on this topic in well-noted journals such as *Land Use Policy* and *Ecosystem Services*, among others and contributed a chapter to a book project on the *Legal Aspects of Sustainable Development* published by Springer. Weena obtained her PhD in International Development from Nagoya University (2009), and completed a postdoctoral research fellowship at the United Nations University Institute for the Advanced Study of Sustainability, Tokyo (2012-2014).



A MIN TJOA

Professor Dr. A Min Tjoa has been a full professor and director of the Institute of Software Technology and Interactive Systems at the Vienna University of Technology since 1994. He is the chairman of the Austrian National Competence Center for Security Research (Competence Centers for Excellent Technologies Initiative of the Austrian government). He was visiting professor at the Universities of Zurich, Kyushu and Wroclaw (Poland) and at the Technical Universities of Prague and Lausanne (Switzerland). From 1999 to 2003, he was the president of the Austrian Computer Society. He is vice-chairman of the IFIP Technical Committee for Information Systems and chairman of the IFIP Working Group on Enterprise Information Systems. Member of the Board (Senate) of the Christian Doppler Foundation for the establishment of high-technology transfer labs in Austria.



He is chairman and national coordinator of the Austrian National Division of the ASEA-UNINET (ASEAN-European University Network) and connected to the Network since its very beginning. Furthermore, he is Vice-Chairman of the DEXA Association (Database and Expert System Applications). He has served as chairman of several international conferences. In 2011 he received the honorary doctoral degree (Dr.h.c.) from the Czech Technical University in Prague and the honorary professor degree of the University of Hue (Vietnam). His current research focus areas are data warehousing, cloud computing, data mining, highly distributed workflow systems, ambient intelligence and grid mining, semantic web, security, and non-standard IT-applications. He has published more than 200 peer reviewed articles in journals and conferences.

Since 2015 he is Vice-Chair of the United Nations Commission on Science and Technology for Development (UN CSTD) and since February 2017 he is Chief Scientific Officer of the Software Competence Center Hagenberg (SCCH), Austria.

REINHARD PERFLER

BOKU - University of Natural Resources and Applied Life Sciences, Vienna:

- Master programme Land and Water Management and Engineering, 10/1982;
- Doctoral programme: Special fields Water Supply, Wastewater Treatment, Water Pollution Control, Doktor der Bodenkultur (Dr.nat.techn.), 10/1999
- Habilitation, "Venia Docendi" for Water Management and Sanitary Engineering; Special fields Water Supply, Wastewater Treatment, Water Pollution Control



Membership in professional bodies: International Water Association (IWA); International Ecological Engineering Society (IEES); Austrian Association on Water and Waste Management; Austrian Association for Gas and Water; (OVGW); German Association for Gas and Water (DVGW); Waterfootprint Network

Present position: Senior Lecturer, Senior Scientist, Vice Head of Institute, Coordinator of the "Freshwater / Drinking Water Working Group" at the Institute

Key qualifications Research Interest:

Water supply and sanitation; drinking water / wastewater treatment; rural water management; sustainable use of water; water resource protection and water quality management; strategic asset management (water supply) including benchmarking, risk management and water safety planning; impacts of climate change; socio-economic changes and their impact on water and sanitation; developing training and education courses in water supply and sanitation; innovative technologies in online monitoring and advanced analysis of chemical and microbial water quality

Foreign Countries Experience:

EU including "young" member countries or countries in accession: Slovak Republic; SE Europe (Slovenia, Kosovo, BiH, Macedonia, Montenegro, Greece); Czech Republic Mediterranean countries: Turkey, Syria, Egypt, Algeria, Morocco International: China, India, Indonesia (Surabaya), Uganda (Kampala); Ghana (Accra Region)

CHAU NGUYEN XUAN QUANG

Dr. Quang is Associate Professor at Bach Khoa University (BKU) and Vice Director of Center of Water management and Climate Change (WACC), Vietnam National University – Ho Chi Minh City (VNU-HCM). He joined BKU and WACC in 2001 and 2011, respectively.

He holds PhD in Hydrology and Hydraulic from Nagaoka University of Technology, Japan in 2008, M.Eng in Integrated Water Resources Management from Asian Institute of Technology (AIT), Thailand in 2004 and B.Eng in Water Resources Engineering from BKU, VNU-HCM, Vietnam in 2001.

Dr. Quang has wide experience in water resources and climate change adaptation. He has involved and led in several research projects related to flood risk management, sustainable urban drainage, watershed development, and climate change adaptation in Mekong Delta, Sai Gon – Dong Nai River Basin, Highland, and Coastal Zone in Vietnam. He is currently leading the national research project on assessing the impacts of upstream developments on Mekong Delta. Since 15 years, he is coordinating and teaching in capacity building, undergraduate, master and PhD programs.



EDDY SETIADI SOEDJONO

DR. Eddy Soedjono is the head of Research Group on Centre for Water and Sanitation in Tropical Areas (CWASTA) in the Department of Environmental Engineering of Faculty of Civil Engineerin and Planning from Institut Teknologi Sepuluh Nopember (ITS) Surabaya. His research is mainly dealing with domestic wastewater using appropriate technology for low income communities. Working in the field for at least 15 years, DR. Soedjono develops both national and international collaboration such as proper total access for water and sanitation as one of the targets in the SDGs.



NAPONG RUGKHAPAN

I completed my PhD in Urban Planning from the University of Michigan. My areas of interest include the politics of urban development; spatial justice; cultural heritage and historic preservation; urban policy learning/transfer. Currently, I am a lecturer at the School of Global Studies, Thammasat University, Thailand, where I teach classes on urban planning, and power and social change. Prior to entering academia, I practiced as an urban planner under the Thai Ministry of Interior.



SIGRID STAGL

Sigrid Stagl was the first graduate from the Ecological Economics program at RPI, New York (May 1999), making her the first PhD in Ecological Economics worldwide. Sigrid's thesis was on "Global food production and its alternatives - a socio-ecological economic perspective" (advisor: Sabine O'Hara). After her studies Sigrid worked at universities in Vienna (Austria), Leeds (UK) and Sussex (UK). She is now Full Professor of Environmental Economics and Policy at WU - Vienna University of Economics and Business. Sigrid's main research interests lie in (1) understanding institutional and behavioural change, (2) improving sustainability appraisal methods and (3) developing ecological macroeconomic models. Besides journal articles, her publications include "Ecological Economics - An Introduction", Cambridge University Press, 2005 (with M Common), which is used in graduate courses worldwide. From 2003 to 2012 Sigrid served as Vice-President and then President of European Society for Ecological Economics. She is now Director of the MSc Program "Socio-Ecological Economics and Policy", which started in October 2012 at WU.



RISYAWATI MOHAMED ISMAIL

Risyawati Mohamed Ismail holds a PhD in Technology Management & Operation, with multidisciplinary backgrounds in Business Administration and Biology. She is a recipient of several national and international grants focusing on food security, food safety, halal and product innovation. Through her 15 years in the industry, she has had firsthand experiences in relation to various food quality standards that include HACCP and Halal Assurance System. Since 2013, she is a regular invited speaker for food safety awareness campaigns conducted under the Ministry of Health Malaysia and her involvement has expanded globally, with the latest being appointed as Foreign Consultant by Ningxia International Halal Food Certification and Trade Centre, China. In the last 2 years, her research focuses more on the innovation of food products and cosmeceutical from herbs and other natural resources. Her latest innovation project involved the extraction *Entada spiralis* and turning the active bio compounds into organic soap that help relieve users from various skin ailments.



PRAJAKS JITNGERNMADAN

Prajaks Jitngernmadan was a PhD student at Institut Integriert Studieren, Johannes Kepler University, Linz, Austria. His research was/is dedicated to develop an approach for transferring implicit didactic information embedded in math schoolbooks to blind students. He works closely with young blind students, teachers, and experts for acquiring necessary information. The most important goals of his work are 1) to describe didactic information embedded in math schoolbooks semantically and explicitly, and 2) to develop a supporting tool that can help blind students learning mathematics effectively. This should enable blind students and their sighted peers to learn together in an inclusion classroom. (SDG-4)



NGO CHI TRUNG

Assoc. Prof. Dr. Ngo Chi Trung completed an Engineering degree in Clothing Technology and a Ph.D. in Textile Technics at Technical University of Liberec, Czech Republic. Prior to his joining Hanoi University of Science and Technology in 1998, he was employed as a researcher at Technical University of Liberec.

From 1998, Assoc. Prof. Trung taught in Faculty of Textile, Garment Technology and Fashion Design and from 2000, he served also in Department of International Cooperation, Hanoi University of Science and Technology.



Assoc. Prof. Trung was appointed to serve as the Vice-Director of Department of International Cooperation from 2003 up to 2014. Since April 2010, he served as the Vice-Dean of School of International Education, and from November 2016, he was appointed to serve as the Head of Inspection and Legislation Office, Hanoi University of Science and Technology.

Assoc. Prof. Trung has experiences for more than 18 years in international cooperation, joint research and training activities between Hanoi University of Science and Technology and international partners, spec. from Asia, Europe and USA.

Since 2000, he joined to activities in the framework of ASEA-UNINET. For many years, he was University coordinator, National coordinator for Vietnam and from February 2016, he is Vice President and Regional coordinator for South-East Asia.

Assoc. Prof. Trung is a member of Scientific and Academic Board. He has also written and published a number of scientific articles.

Program

15 July // Day I // *“Where are we as a network on matters of sustainability?”*

09.00-09.15 **Welcome Remarks**

A Min Tjoa

09.15-09.30 **Rationale and Overview**

Weena Gera

09.30-09.40 **Agenda and Mechanics of the Workshop**

09.40-11.20 **Get Together & Building Bonds**

11.20-13.00 **Issues, Problems & Initiatives relating to Sustainability in Home or
Partner Countries**

13.00-14.30 **Lunch Break**

Restaurant “Promenade”, Erzherzog-Johann-Allee 1

14.30-14.45 **Survey Presentation**

*Ongoing projects & Fields of interest of ASEA-UNINET Universities related to
Sustainability*

14.45-15.30 **World Café**

Defining the Key Issues based on current projects and fields of interest

15.30-16.00 **Sustainability Hunt**

16.00-17.00 **Open Space**

Puzzle Collection

17.00 **End Day I**

19.00 **Dinner**

Parkhotel, Leonhardstraße 40-42

Output Day I:

- *Mapping and Pre-Identification of Working Groups*
 - *Stating where ASEA-UNINET is situated in relation to Sustainability Issues*
-

16 July // Day 2 // “Where do we go from here to respond to sustainability challenges?”

09.00-09.30 Recap & Open Space

Revisiting the Key Themes Categorization of Day 1

09.30-11.00 World Café

Identifying “possible & concrete” projects for ASEA-UNINET

11.00-12.00 Template Design

Project Plan Components

12.00-13.30 Lunch Break

Restaurant “Thomawirt”, Leonhardstraße 40-42

13.30-14.40 Open Space

Mechanics for Working Groups at the Plenary Meeting

14.40-15.40 Framing the ASEA-UNINET Sustainability Mission Statement

14.40-15.40 Workshop End

Output Day 2:

- *Concrete Sustainability Projects for ASEA-UNINET*
- *Working Groups Mechanics for ASEA-UNINET Plenary Meeting*
- *ASEA-UNINET Sustainability Mission Statement*

July 17th, 2017: Sustainable Manufacturing Working Group

Participants

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Assoc.-Prof. Dr. Huynh Quyet Thang	Hanoi University of Science and Technology	thang.huynh.quyet@hust.edu.vn
Prof. Dr. M. Iqbal Saripan	Universiti Putra Malaysia	iqbal@upm.edu.my
Phanthiwa Chanchoenphop	Thammasat University	phanthiwa@gmail.com
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Ao.univ.-Prof. Dr. Andreas Rauber	TU Wien	rauber@ifs.tuwien.ac.at
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Matthias Schwaiger, BA	ASEA-UNINET Innsbruck	matthias.schwaiger@asea-uninet.org

Working group initiated with a brief introduction round of the participants

Overview of the project (Mr. Farizal & Mr. Tjoa)

- 73 projects were handed in
- expertise required from: business, mechatronics, ICT
- Factory of the future → production will be localized (go back to countries of origin)
- 7 steps of the Sustainability Project Implementation Plan:
 1. What is the project about?
 2. Which expertise and research methodology is required?
 3. Which Universities and Institutions will participate?
 4. Which researchers will participate? Distribution of responsibilities?
 5. What are the modalities of collaboration?
 6. Where to start?
 7. Which potential funding sources exist?

Collection of three project ideas

1. Interplay of digital and physical artifacts, Industry 4.0 and sustainable manufacturing
2. Food Security: From farm/sea to table!
3. Environmental impact using ICT

Pitch of the Project Ideas

Food Security

- two objectives developing pilot program for:
 - monitoring (use best practice models) and
 - tracking (from farm to fork)
 - for food safety
- ICT, logistics, biotechnology
- Boku, Mahidon, TU Wien, ITS, UPC (Vietnam), Shiraz University and several other potential partner institutions
- Online Conference with occasional face-to-face meetings
- 2-3 years for pilots, application for funding for 3 years
- Horizon 2020, Erasmus Mobility, National Funding scheme

Envision the Workplace of the Future in Industry 4.0

- How to go towards industry 4.0 in an „optimal“ way, how / what to teach and train existing and future workers
 - Identify factors of positive/negative impact of industry 4.0, solution approaches for sustainability, include sustainability plan already in the design

- What physical / digital products will the factory of the future produce? What is the impact of moving from production and purchase of physical standardized products towards provisioning digital customizable services on demand?
 - Focus on the regional impact in an inherently distributed concept
 - Focus on specific branch in manufacturing (e.g. automotive, petrol, food)
- Expertise / Approach:
 - Scenario based analysis, asking the right questions for follow up projects, not having the answers yet
 - Interdisciplinary approach, including engineering disciplines, management, social sciences, education
 - How to measure success of this project? How do we know if we are doing a good job?
- Participation / Responsibilities: Think tank: TU Vienna (Rauber), JKU Linz (Anderst-Kotsis), Shiraz Univ (Safavi), HUST (Thang), UPM (Saripan), UoMalaysia (Haseeb), Burapha U. (Jitngernmadan) and several other institutions
- Modalities of Collaboration: Electronic meeting in the startup phase, exchange of scenarios, multi-lateral physical meetings, plenary once a year
- Where to Start?: Predictive modelling, start with one specific industry, identify smaller subproblems
- Funding Sources: Cost Action
- Time Frame: 24 month – 5 years

Environmental Impact using ICT

- Environmental Impact by human beings
- environmentalists & biologists, ICT, economists & project managers
- Hanoi, Danang, TU Wien, TU Graz, Nice and several other institutions
- 18-20 months of run-time
- online meeting, once per quarter
- questionnaires to gain more researchers and task proposals
- Erasmus 2020, national funding

MINUTES, ASEA-UNINET Plenary Meeting Working Group

July 17th 15:00

Governance & Economy

Fred Luks & Weena Gera

Participants:

- Fred Luks: WU – 24 professors working on sustainability (law, economy, political sciences) – growth & sustainable economy
- Weena Gera; University of the Philippines, Governance & sustainable development, Center of Resilience
- Ni Putu Sri Harta Mimba, Udayana University, Bali: Accounting Background, Sustainable based, System
- Normah Omar, Universiti Teknologi Mara (UiTM)
- Thomas Brudermann, University of Graz: Institute of System Sciences & Sustainability Research
- Melda Kamil Ariadno, University of Indonesia: Background in Law, SDGs, Sustainable Development in Malaysia
- Prof. Dr. Martina Padmanabhan, University of Passau: Agriculture, Social Ecological Perspective, Natural Resource Management & Ecology
- Anas M. Fauzi, Bogor Agricultural University (IPB), Policy & Government, interested in: Capturing the best practices: sustainable Agriculture, sustainable Development
- Oswin Maurer, University of Bolzano: Work with Sustainability since 30 years

Thematic Clusters

- Inequality and Migration
- Social Innovation and Entrepreneurship
- Regional Integration and Sustainability
- Circular Economy (green society; sustainability reporting; tourism; etc.)
- Political Economy of Rent-Seeking and Corruption: Implications on Sustainability
- Populism, Conflict and Sustainability

Brainstorming on Interests:

- Future Earth, Global Science Alliance, Contribution of Research to Sustainability, innovative local capacity, how to enhance the creative capacity of the local people, case studies and comparison (Prof. Dr. Martina Padmanabhan)
- Social Innovation & Entrepreneurship, Community nutrition, how to capture the local wisdom/knowledge, waste management, Macro-scale, Local wisdom, potential and status quo of organic farming and policy implication; reduction of monoculture on oil palm plantation - reduce productivity – problem with biodiversity, existing project: Landscape transformation systems, conflict desolation, local knowledge (Anas M. Fauzi)
- SDGs implemented by every state, traditional knowledge, how modern society tries to achieve sustainability within their own society, traditional knowledge of the community, how to mitigate the climate change, all regulation adapted by governance, interaction of traditional knowledge with new technology – enhance creativity, eco-tourism, interference with traditional knowledge, problem: poverty and economic situation (Melda Kamil Ariadno)

- Which role does government and traditional knowledge play for sustainability development? Management of Commons (Thomas Brudermann)
- Integration of Implicit traditional knowledge, technology integration and consequential reduction for natural processes, governing local knowledge, implicit knowledge becomes explicit knowledge and then sustainability entrepreneurship, , suggestion: focus on the outcome than on the progress (Oswin Maurer)
- Regional integration, ASEAN countries learning from EU, involve knowledge, government & economy, Social innovation, poverty (Normah Omar)
- university, government and private sector - how to use local products (Ni Putu Sri Harta Mimba)

Envisaged Projects

Prof. Dr. Martina Padmanabhan, Anas M. Fauzi and Weena Gera: Landscape Transformation & Conflict Resolution

- Objectives: Comparative case studies on hydropower, mining conflicts and plantation
- Comparative case studies across the region and also understand the nature of the conflict regarding to the resource
- Understand the process & history of the conflict
- Identify involved parties and position of power
- To actually produce science based policy recommendations for regulation
- What is needed: more conceptualization – think of a brainstorming-meeting, pre-project/preparatory meeting
- Potentially Participating Universities: University of Passau, IPB Indonesia, University of the Philippines
- Output: Policy

Normah Omar, Ni Putu Sri Harta Mimba and Fred Luks: Social Innovation for Sustainability: Local Entrepreneurship, International Markets & Governance

- SDGs: 1st: reduce poverty, enhance quality of life
- Need to focus: on two groups: individuals - fresh graduate /students and companies - small medium enterprises
- Capacity in very small micro entrepreneurship project, financed microfinancing institution, by banks
- Idea: linking entrepreneurship with supplier and market to large supermarket/online business by providing trainings on governance, financial management, ethics - by linking them we can make the business more sustainable, as well by focusing on making the product and improve the product
 - Initially – find a market and supplier; this way projects are often not sustainable, can't find market
 - The Market can be international; micro-entrepreneurs could be very small companies
 - role of university: training in terms of international marketing, law,
 - local governments, cooperation with ministry
 - train the supplier (organic)
 - role of regulation/international regulation

Melda Kamil Ariadno, Oswin Maurer, Thomas Brudermann: An assessment of policy and investment decisions on sustainable tourism within the framework of circular economy & regional integration

- Melda Kamil Ariadno, Oswin Maurer, Thomas Brudermann: Assessment of policy and investment decisions in tourism within the framework of circular economy & regional integration
- Basis: what, in terms of revenues, is actually staying in touristic regions
- How do policy issues impact on tourism, the tourism industry, and the local economy
- Objective: Policy formation, recommendation & concrete policy advice
- Research questions (basic):
 - What percentage of proceeds does stay in the region/villages?
 - Do current levels of proceeds staying in the region to allow for sustainable development?
 - Modelling minimum sustainability thresholds of income staying in the region/village
 - Apart from investment and monetary returns, what are the cost to local society of tourism (use of water/hotel room, depletion of locally needed resources, etc)?
 - Concrete policy advice, taking into account more than just monetary factors

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University of Music and Performing Arts Graz
Leonhardstraße 15, 8010 Graz, Austria
July 17th – 20th, 2017

ASEA-UNINET Plenary Meeting 2017



ASEAN - European Academic University Network

Programme
For the ASEA-UNINET Plenary Meeting
Graz, Austria 17 – 20 July 2017
University of Music and Performing Arts Graz

Minutes from Workshop "Water Management", 17.7.2017

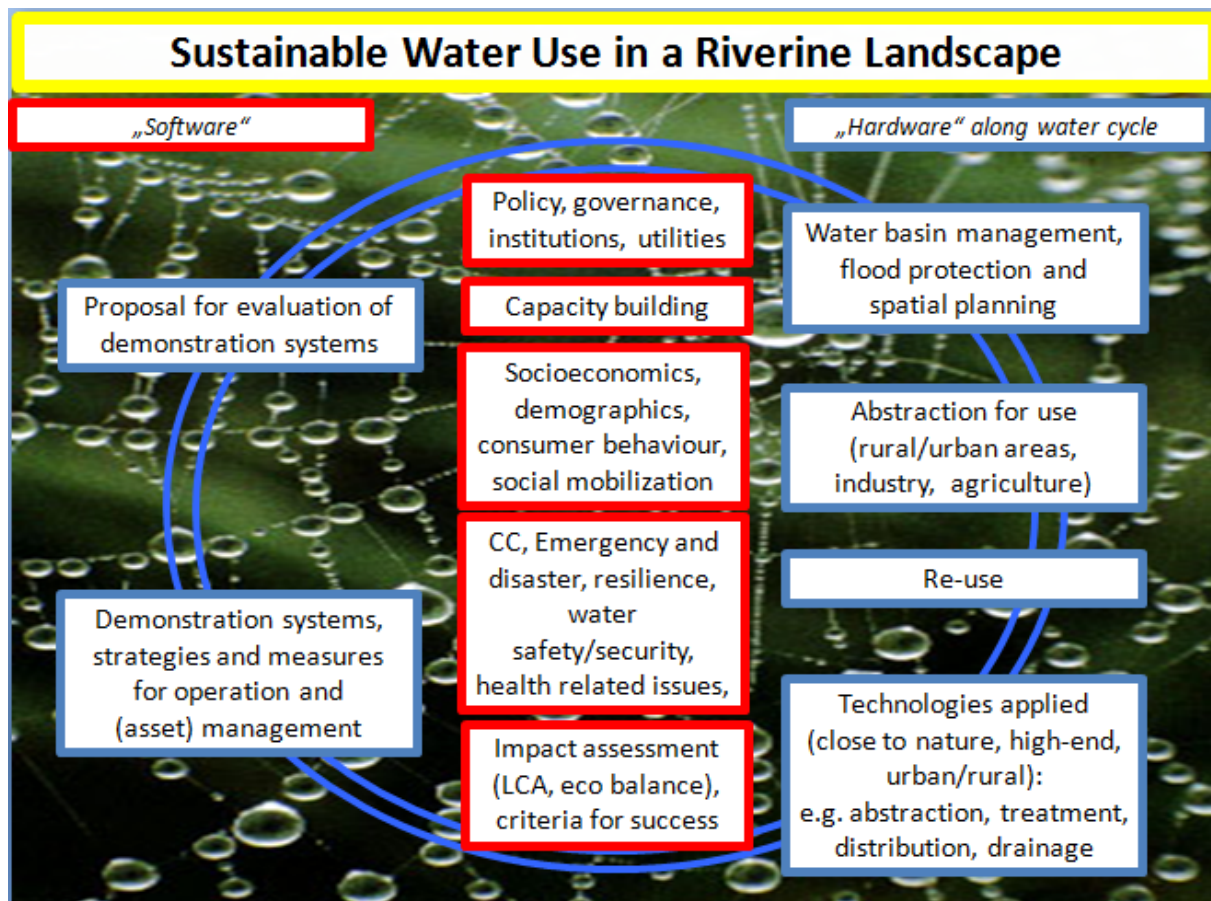
Prof. Reinhard Perfler was introducing the idea of this workshop around "Sustainable Water Use in a Riverine Landscape " as a very applied and specific topic to work on. Primary intention was to talk about the priorities that each country has and about finding out which part of the original graphics could be interesting for each country.

He explained the contents in the (I) first part a bit of the modules how to systematize the topic and where connections could be possible. In the (II) second part people gave different inputs and discussed in an open round their ideas and experiences that could allow possible research topics.

(I) Introduction:

Of primary importance is to have clear about which landscape one is making considerations so that the adequate measures can be applied. One of the most important measures: raising the interest of the people for the topic.

Different modules were talked about, having a general distinction between "hardware" (topics which form interfaces and connections to outer parts ; blue colored) and "software" (topics that explain the issues that are at heart of the debate and form the relevance of certain issues; red colored) topics.



Taking the (i) "hardware" first:

- * water basins, flood protection + water management
- * abstraction (rural, urban..)
- * re-use
- * technologies
- * proposal for evaluation
- * demonstration systems

and the (ii) "software"

- * socioeconomics, issues -> big cities grow, rural areas decrease, consumer, behavior
- * policy governance
- * capacity building
- * social mobilization -> can work in some regions... for the more detached some planning has to be provided top-down to mobilise resources
- * emergency
- * impact assessment

....

(II) What should be an issue?

->

..

-> Indonesia: taking water-shed management, water basin management, landslide...

-> Myanmar: buzzword "water-sharing" - the main river Ayeyarwady [Eau] is very polluted, also small lakes and water resources with a lot of issues... Perfler comments on it and says that by the example of Peru heavy metals from the mountain were dragged to clean water

-> another other idea has been going about sanitation, clinical checks and hygiene system - thereby having a funding of 25.000\$ for each project... Perfler mentions a project on "flow cytometry" at his university with micro-biocells within a distraction well - using fingerprinting as an abstraction and ending up with high genotyping

-> talking about water management: how are people impacting the environment (e.g. in the form of staff members) ? what are the risks of different countries which are sharing common water sources? ... and also, what is the human factor, with regard to health ?... Perfler says there have been small systems of water-supply transported to Uganda, trying to make a translation of systems from one region to the other - generating possible test-pads: areas and items with solutions due to it, which could also be provided to Asia

-> networking among countries -> if countries face common challenges then it is also necessary to bring them into a dialogue

-> networking with companies -> having students in touch with EU companies

-> comments: sustainability is necessarily bound to responsibility, and being more specific about an Asian context where oceans are very important

-> another topic has been opened up by the availability of water: pricing models, the financing of the system and about solutions for remote areas... e.g. business of water treatment in Vietnam: studying water prices in Vietnam is important as limited water levels are raising the importance of efficient usage of water. Also in Indonesia there are imminent problems regarding climate change... another problem mentioned: pricing in regions of people from former socialist countries where water was acquired for free is done differently than in countries where higher consumption is rewarded with better prices (e.g. price and consumption of energy, electric current). Setting a monetary incentive to use more resources instead of less is a very non-sustainable pricing structure. In the EU for instance water consumption is by general tariff that does not vary by amount

-> using the issue of water as a topic to start conversations with local people.. e.g. project within ASEA-UNINET having a south-south dialogue and a very restricted number of Western countries -> thereby having different situations of different countries compared in Asia... especially in rural regions

1st research-topic for further collaboration decided: "Water service in rural areas"

-> why is it important to highlight differences between rural and urban sites?

also

--> 2nd research-topic for further collaboration decided: "Transformation of water services in urban areas"

-> also an interesting project that has been concluded in Austria: performing an eco-balance comparison between bottle water + tap water... e.g. in Asia most people who can afford it drink bottled water and but not water from the tap -> reasons of hygiene

and

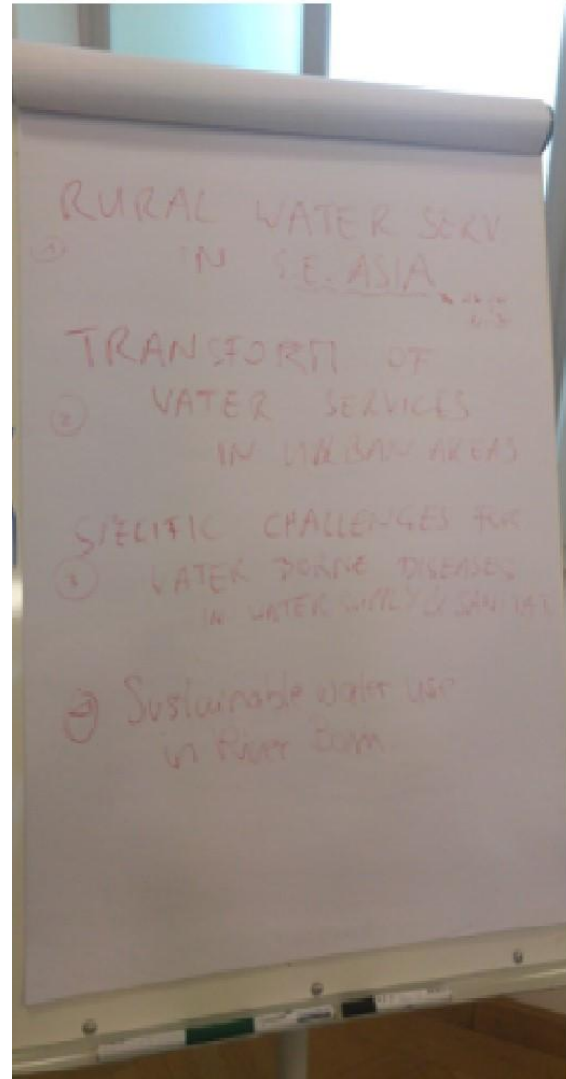
--> 3rd research-topic for further collaboration decided: "Specific challenges for water borne diseases in water supply & sanitation"

-> issue of waste water: there is a challenge to use water efficiently and not produce too much waste. An approach there is that the government is allowing some fees of water supply (10% or 20%..)

-> hint about Andritz: they are having further contacts and insights about effects and impacts of charging fees for water,...

and

--> 4th research-topic for further collaboration decided: "Sustainable water use in river basin"



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Sustainability Working Group „Society & Wellbeing“

KUG, Palais Meran, Florentiner Saal

17.07.2017, 14:00 - 17:00

Four thematic clusters

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Creativity, Culture and the Arts

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Urban Resilience and Planning

At first the frame conditions were collected and discussed:

- Growth of cities is unstoppable
- If we speak of cities the rural areas should not be forgotten.
- Rural and urban areas are connected, but a balance is not realistic
- A new model for rural areas is important
- Infrastructure and management of risks are very important
- How to deal with people coming to cities but having nothing
- Urban poverty
- Strong social relations between neighbourhood is important
- Inefficiency of systems (corruption)
- The legal conditions in many Asian countries are ok, but the execution is terrible
- We have a lot of data, but the managing and monitoring is a problem
- People loose relation to nature, this is a negative effect of the concentration in cities

As a result of this discussion the participants considered that there are many good things but no good results. So it is necessary to think what is missing .This should be the basic for the upcoming project. Therefore the upcoming project should be called “Identifying and closing the missing link”.

Further elaboration on Urban Development

Our group consisting of representatives from Thailand, the Philippines, Austria and Italy, which Thailand’s outgoing National Coordinator Nitinant, ably chaired proposes an exploratory problem-based research **to identify and close the Missing Links** in sustainable urban development. The group hopes that such an exploratory project will iterate into more specific cross country, interdisciplinary and even transdisciplinary projects.

Let us briefly situate the rationale for this project within the logical flow of the group’s discussion.

- As far as our group is concerned, the critical problem is the management of rapid urban growth in the face of
 - 1) inadequate public investment in much needed infrastructure for a growing population

- 2) urban poverty and inequality [as reflected in the social differentiation or gradients within cities]
 - 3) urban poor settlements in areas vulnerable to disaster
 - 4) environmental degradation (e.g pollution)
 - 5) poor sanitary and health conditions and
 - 6) critical governance issues
 - a) weak planning and regulation
 - b) poor database—e.g. social data, land use, hazard areas etc) and monitoring
 - c) inefficient administration and corruption
 - d) and unorganized communities that are not able to address local issues or hold their governments accountable
- The group enumerated interventions to address the issues, eventually highlighting an overarching missing link: the importance of **reconnecting urban people to nature thereby bringing nature to the city. This framing** offers an integrative view of different issues facing cities:
 - 1) For instance, it raises the need for integrative planning that takes into consideration the cyclical nature of nature—i.e. a circular city, one that relies on renewable energy, filters and recycles waste; recycles water etc
 - 2) The need to craft a disaster management plan that relies on organized communities and people helping/caring for people with appropriate and creatively developed financial tools based on mutuality among communities and even across international communities—financial insurance;
 - 3) The use of technical and social technology-based interventions both in normal situations (energy, waste management, water management)and in times of disaster (interactive mapping using cell phones)—mutual assistance;
 - 4) The need for people to reconnect to nature in their minds, in their hearts and lifestyle—or the need for a paradigm shift out of accumulation on an ever expanded scale that is punctuated by greed to the detriment of nature;
 - We then decided that an overarching missing link is the mindset that frames the issues of the city and its development in line with the intimate interconnectedness of people to nature. At the level of the framework, closing the links would require
 - 1) A more elaborate articulation of the sustainable development framework with a special orientation towards the concerns of the city
 - 2) A reframing of the analysis of the usual pressing urban issues within a sustainable development framework

- 3) A survey of urban people's attitudes towards issues, nature (eg climate change) and SD-related interventions to guide a campaign to shape mindsets
 - 4) The development of an SD-sensitive database with new indicators that take nature into account
- But the group's discussion of urban challenges suggested other missing links within the frame of the missing sustainable development framework. They include
 - **Infrastructure Improvement**—e.g. transportation facilities, housing, water resources, waste management
 - **Human Resources Development with** education as key—with a view of an education that is nuanced to address the needs of local/national economies communities
 - **Administration & Planning:** covering efficiency, effectiveness, transparency, and governance of the administration system and planning for inclusive growth and prevention of corruption incorporating risk and post-disaster management;
 - **Citizen Participation and Stakeholder Engagement—**
 - **And other links to be identified in the course of the conceptualization of the exploratory research.**

There is a special interest in the group on how to achieve unbroken growth by recognizing the importance of improving quality of life in rural areas both for the sake of balancing rural and urban development and for crafting a rural development model that might just help rein in unhampered urbanization.

- We are not starting from scratch because of the plethora of studies, including studies within on SD and ongoing collaboration among ASEAN, and between ASEAN and Europe, and even studies of multilateral agencies etc—this may merely require at the outset a project to take stock of what has been done. A comparative study of particular urban concerns using the SD framework including comparative documentation of good practices in say, water management; urban renewal, urban poor housing.
- As far as our group is concerned, the different missing links ought to be closed using the SD framework—that should permeate the mindset of policy makers on the top and people on the ground. In other words, to close the missing link, we need to reconnect people's perspectives to nature—we cannot do this without reframing our analysis of urban problems and identifying the mindset that needs to be transformed.

We are not starting from scratch because so much research has been done on urban concerns. A comparative study of particular urban concerns using the SD framework water management; urban renewal, urban poor housing.

- The challenge for the team that will advance the conceptualization of this exploratory project is how to focus the study and break it down into feasible sub-projects that make a coherent whole.

Creativity, Culture and the Arts

- Two way programs (summertime, learning about other cultures, language and culture camps)
- Hungary already have a similar program (Visual Art Camps, Art Camps for sustainability)
- ASEA-UNINET financing
- Establish European Convention

Program:

Cultural Camps with 150 participants, aiming to build connections, while combining research with fun. The topic and the facilitating university shall change annually. The goal is to include two students of each ASEA-UNINET University.