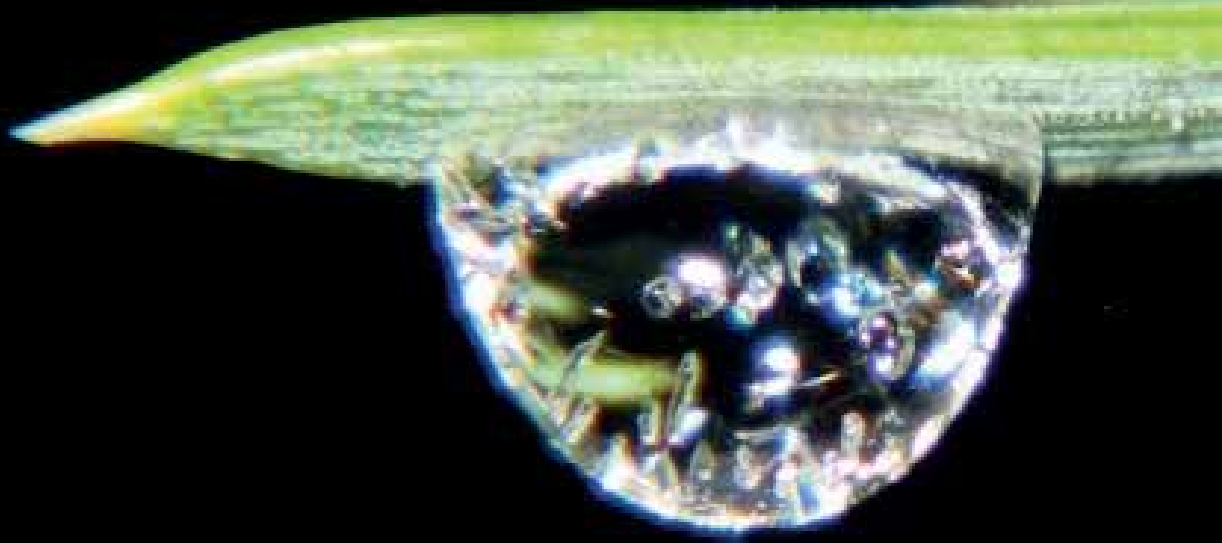




UPPSALA
UNIVERSITET

ANNUAL REPORT 2015

The Baltic University Programme



CSD Uppsala.

Uppsala Centre for Sustainable Development



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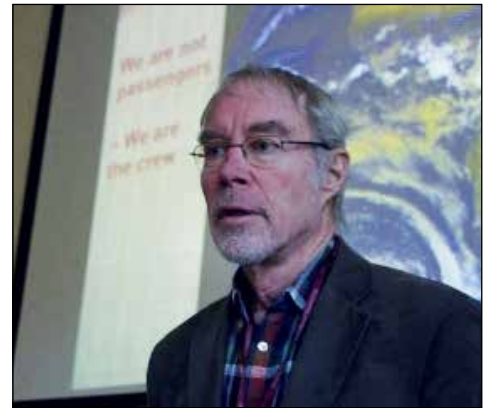
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The Baltic University Programme in 2015

2015 – A year of change for BUP and the world



2015 was a year of transformation for the Baltic University Programme. After years of debate the board took the final decision in spring 2015 on transforming the Programme to a permanent organisation, with members and annual fees and recurring activities. Later in the year we prepared for signing membership agreements for universities that had been participating in our activities during the years – more than 230 universities!

A change to a permanent status is not too early. In early 2016 BUP has been active for 25 years. Very many of our partners in the Baltic Sea region have contributed to and taken part in many activities for more or less the entire time of our existence. The three universities, which have been outstanding in this regard, were appointed to be Associated Secretariats in the fall of 2015. These are Åbo Akademi University, Lodz University of Technology and Hamburg University of Applied Sciences, with their extraordinarily competent leaders Dr Paula Lindroos, Prof. Ireneusz Zbicinski and Prof. Walter Leal. Congratulations and thank you for years of creative and productive work!

In the same spirit of distributed responsibilities, BUP will have so-called presidencies from 2016. It started in the spring of 2016 with Latvia and will continue in the fall of 2016 with Finland, followed by Ukraine in 2017 etc. See details on the homepage. Other changes include BUP National Centres with new directors. Thus in Latvia Assoc. Professor Dzineta Dimante took up the baton from Dr Kristine Albolina, in Czech Republic Dr Jana Kodymová took over from Prof. Alena Labodova and in Sweden it is Prof. Per G Berg of the Swedish University of Agricultural Sciences who is the new Swedish BUP Director.

The position as Programme Director also saw many changes, as the year started with Dr Paula Lindroos as Director, but soon Dr Matthew Kott stepped in as Acting Director and was succeeded from July 1st by me. Also the Programme Board was newly appointed by Uppsala University Rector to begin its term with the academic year 2015/16.

I would like to mention some of the more remarkable events during the year. We were very many who enjoyed the contribution of Professor Dennis Meadows to both the teachers' conference in Uppsala in May and the SAIL course last summer. To remind those who don't remember,

Dennis Meadows was the main author of the book *Limits to Growth* and the leader of the research project reported there - he is really the grandfather of sustainable development.

Much of the time after the original publication in 1972 he has spent lecturing all over the world. When asked what they remember his former students seldom answer that it is the lectures, rather the games. He has a portfolio of games, which he demonstrated for us, and we played them during the teachers meeting. Watch all of that on the BUP homepage as two videos. Also the film *The last call* about the *Limits To Growth* project produced by the Italian director Enrico Cerasuolo in 2012 is worth showing to the students!

Research content in BUP increased during 2015. Applications for the BUP Small Grants Programme €3000 to support projects was done for the first time. The money was awarded to PhD student Natalya Shepeleva, Belarusian State Technological University. Research conferences, concerned Landscape management in Nitra, and Remediation of brownfields in Ostrava (spring 2016), while energy projects were active in Germany and Poland.

2015 was also a symbolic year for the world. In September a high level summit at the UN headquarters in New York adopted the new 2030 Agenda for the world together with 17 sustainable development goals, SDGs. This will be a main concern for BUP the coming 15 years. The Climate conference in Paris finally also became successful! It is now up to us to work for its implementation in reality!

There is thus much to do the coming years, but much has also already been achieved. I want to thank all of you who have contributed in 2015 to the BUP activities in all the countries of the Programme. There are hundreds of teachers and researcher who have taught courses, contributed to conferences, written book chapters and worked in projects. Thank you. Without you there would be no BUP.

Lars Rydén
Acting Programme Director



Christian Andersson (text)
Tomasz Rozwadowski (Photos)

The Teachers' Competence Development Training: Steps to a Sustainable Future took place in Uppsala on 11-13 May. Nearly 50 participants had the opportunity to meet and listen to Dr Dennis Meadows. He is a well-known scientist and co-author of the seminal book *Limits to Growth*. During a workshop Meadows using his long experience of teaching at the university put forward the observation that ordinary lectures are far from optimal for learning. Games are much better. Thus he explained and showed in a convincing way how games, from simple to advanced, could be used as efficient tools in teaching.

Later the same day Dennis Meadows gave a public lecture more in line with his books entitled "The Myth of Technology and Sustainable Development".

The event also saw presentations by Lars Rydén on "Sustainable Development in 2015", and by Eva Friman on "SWEDESD and the Global Action Programme on SD". Finally Loreta Tauginiene presented her PhD thesis: "Social responsibility in the Management of University Research Performance" and Olga Zuin showed some of the results from her work together with Sam Grönholm on the "Concept of Sustainability in the BSR".

All the presentations and films of Dennis Meadows' workshop and public lecture can be found on the BUP website on the Conference Presentations page.





Photo by David Naylor

Baltic University Turns 25

The world is constantly changing. The Baltic University was founded 25 years ago, less than two years after the Berlin Wall fell. Then, fresh air swept through Europe and cooperation and open borders was accepted by most as the way forward.

Today, the world is once again closing. Borders are guarded, nationalism is growing stronger and politicians speak of shutting the door on refugees.

A university is by nature open and inviting. We want ideas and people's curiosity to have the space and conditions to prosper. Cooperation is the only way forward and we can only develop if we keep our doors open. This is my conviction.

To the Baltic University, this has always been obvious. The Baltic Sea concerns many countries directly and the entire world in the long run. What we do and what we achieve here concerning the environment and the governance of our natural resources is crucial to our future. But the Baltic University is more than that. This network of universities is a mind-set and a way of dealing with the challenges ahead. The ship STS Fryderyk Chopin is not just a boat and a vessel to transport students around the region during a course. It is a symbol for all universities of the world. We are in this together, in the same boat.

Right now, as compassion and humanity seem to be going out of fashion and the world is becoming

more closed, I believe the universities must set an example. Uppsala University has always been open to cooperation, of necessity and of principle.

Today, these principles that we share with the Baltic University Programme are more urgent than ever. After COP21 in Paris, sustainability, democracy, and cooperation are on the agenda all over the world. With experience and knowledge how to tackle coordination problems for sustainable solutions in urban areas, water issues, and climate change management, I am hopeful when I note how BUP continues to contribute to the world. It makes me proud, as our university mission is to gain and disseminate knowledge for the benefit of humankind and for a better world, and also to be a local, national and international meeting place for knowledge, culture and critical dialogue. BUP is certainly well-equipped to realise these visions.

*Eva Åkesson
Vice-Chancellor, Uppsala University*

Economic Report 2015

The total economic turnover of the Baltic University Programme Uppsala Secretariat during 2015 was 5 890 572 SEK (600 123 €, an increase from 2014 by 13%. This increase includes internally funded projects, the 2014 Rectors Conference and new course components. The externally funded projects include the report to the Council of Baltic Sea States (see p. 14). To continue to run the Programme on the present level we need a stronger economy. This will be possible by future membership fees, and income from projects. In addition the the BUP Finnish Associated Secretariat at Åbo Akademi University contributes importantly by financing the teachers' conferences and sailings and contributions are also important from several other member universities, not the least from Hamburg University of Applied Sciences and Lodz University of Technology. The figures shown thus represent only a part of the total budget of our activities.

Financial Report 2015

OPERATIONAL REVENUES	2014	2015
Opening Balance	2 450 119	1 507 733
Governmental grants	3 920 000	4 118 999
Contributions from member universities	147 117	55 558
Sales	660	4 837
Internally funded projects	0	1 065 415
Externally funded projects	190 000	75 000
TOTAL REVENUES	4 257 777	5 319 809
COSTS		
Salaries	- 2 469 799	- 2 424 350
Conferences	- 595 759	- 1 079 364
Other staff costs	-15 205	-12 683
Venues	- 232 703	- 180 237
Operating costs, goods	- 74 754	- 59 958
Operating costs, services	- 11 233	- 21 537
Common costs (overhead)	- 1 049 806	- 1 221 741
Transfers	- 750 904	- 890 786
TOTAL COSTS	5 200 163	5 890 572
Operational costs	- 942 386	- 570 848
Closing Balance	1 507 733	936 885

BUP Courses

The courses are undergraduate and master's level courses, as well as specialised courses for professionals and teachers. The task of the Baltic University Programme is to create a rich learning environment with books, films, Internet sites and conferences to study the development of the region. The courses are run separately by each university in the network. Students register at their home university, while course material is produced and distributed within the Programme. Student' conferences, summer camps as well as the internet, connect the student groups in the network. We also organize several university teachers training courses each year to uphold a good standard of knowledge and to introduce new teachers to our materials and courses. During 2015 there were 6,362 students in a total of 265 course groups at 154 universities all over the Baltic Sea region studying BUP courses and there were 237 academic teachers contributing to delivering the courses.

International Education

Baltic University Programme courses are international, multidisciplinary, problem-oriented, and based on ongoing research at the participating universities. The courses intend to give comprehensive knowledge on education for sustainable development, the environment and of the societies in the Baltic Sea Region. The courses are organized as an international cooperation within the network. In this way, we keep the best standard possible, considering that the topics chosen are so wide that no single university, East or West, has the competence needed to produce such a course on its own. The course groups in the different countries are offered possibilities to get in touch with each other, and to participate in common events, lectures and seminars.

Teachers and Students Conferences

To support the university teachers in the network, seminars and conferences are arranged for various subject areas. In 2015 three ESD training workshops were arranged where teachers get the opportunity to discuss with colleagues on the BUP educational material, how to cooperate with other universities as well as practitioners, how to build networks and how to address questions of sustainability.

In 2015 one students' conferences was arranged on the theme "Food and sustainable agriculture". Students are also invited to attend summer camps, sailing trips and other events to promote contacts, international understanding and democracy development.

The Web Page & Course

The Secretariat web page (www.balticuniv.uu.se) is intended to be a resource for both students and teachers. It contains information on the courses and the course material, meetings and conferences, as well as the latest publications from the Baltic University Press.



Prof. Berndt Delakowitz with students at the Rogów students' conference. Photo: Krzysztof Ciesielski.

Comprehensive information on Education for Sustainable Development (ESD) is found on the Finnish BUP web site www.bup.fi.

The Baltic University have much course materials available on-line and also three on-line study courses. Sustainable Water Management course (15 ECTS). All course material, (a total of some 600 pages) can be downloaded as pdf-format documents from the web page. Project tasks, internet links, questions, and study groups, etc. are available or organized over the homepage. See further: www.balticuniv.uu.se/swm.

A web-based course called Concepts of Sustainability (COS) giving 5 ECTS credit points is also offered by the Open University at Åbo Akademi University. This introductory course is made in the open source learning platform Moodle. Another on-line course entitled Sustainable Development have also been developed. The course material is available at the BUP website. <http://www.balticuniv.uu.se/sustainabledevelopmentcourse>

SAIL – Sustainability Applied in International Learning (7.5 ECTS) is an international course on sustainability organised by the Baltic University Programme. 40 students and teachers from all countries within the Baltic Sea drainage area work, study, sail and live together on a sailing ship for 17 days. The education consists of workshops, seminars and group discussions at sea on board. The students also participate as sailors and perform watch duties on the ship around the clock.

Undergraduate Level

Environmental Science ES

The ES courses give multidisciplinary overviews of the situation of the environment in the Baltic Sea region and on how to manage and protect it. The courses provide an excellent background for studying the Baltic University courses on sustainable development. The 15 ECTS course can be divided into two modules which can be studied separately:

Environmental Science (15 ECTS)

- i. **The Baltic Sea Environment** (7.5 ECTS)
- ii. **Basic Environmental Science** (7.5 ECTS)

English for Environmental Science EE

This is an intermediate level English language course that develops comprehension, vocabulary and skills of expression. Terminology used in environmental studies is explained and practised.

The Baltic Sea Region Area Studies AS

The AS courses treat the Baltic Sea region and its societies under eight headings: history, culture, language, democracy, multiculturalism, social conditions, economics and security. The courses deal mostly with the conditions in the region after the systems change in 1989-91. Regional development is in focus with emphasis on democracy, human rights and economics.

The Baltic Sea Region (15 ECTS)

- i. **Peoples of the Baltic** (7.5 ECTS)
- ii. **Regional development and the Baltic Sea region** (7.5 ECTS)

A Sustainable Baltic Region SBR

The course deals with sustainable use and management of natural resources and long-term protection of the environment. Important issues in the course are energy and energy use, material flows, economy and ethics, industry, agriculture, transport and community development. (7.5 ECTS)

Sustainability Applied in International Learning SAIL

A course at Uppsala University on sustainability organised by the Baltic University Programme. The education consists of workshops, seminars and group discussions on board a sailing ship. (7,5 ECTS)

Master's Level

Sustainable Water Management SWM

The SWM courses are master's level courses focusing on issues of sustainable use of water and water resources in the Baltic Sea region. Students should preferably have a background in e.g., hydrology, geology, physical geography, agronomy, soil science, forestry or environmental engineering. The full SWM course consists of three modules, which can be studied separately:

Sustainable Water Management (15 ECTS)

- i. **The Baltic Waterscape** (4.5 ECTS)
 - ii. **Water Use & Management** (4.5 ECTS)
 - iii. **River Basin Management** (6 ECTS)
- Sustainable Water Management can also be studied as an internet course at Uppsala University.

Community Development CD

The CD courses are master's level courses focusing on sustainable community development and urban planning with an emphasis on the Baltic Sea region. The courses are interdisciplinary, problem oriented and preparatory for a professional career. The course Community Development (15 ECTS) includes three modules:

- i. **The City** (4.5 ECTS)
- ii. **Building Sustainable Communities** (4.5 ECTS)
- iii. **Urban Sustainability Management** (6 ECTS)

Environmental Management EM

The EM courses address management in all kinds of organizations, although industries are in focus. They are well adapted for competence development of professionals. The course consists of four modules:

Environmental Management (30 ECTS)

- i. **Policy Instruments for Environmental Management** (7.5 ECTS)
- ii. **Cleaner Production and Technologies** (7.5 ECTS),
- iii. **Product Design & Life Cycle Assessment** (7.5 ECTS)
- iv. **Environmental Management Systems and Certification** (7.5 ECTS).



Dr Miroslaw Imbierowicz at PhD students conference. Photo by Krzysztof Ciesielski.



Ecosystem Health and Sustainable Agriculture EHSA

The EHSA courses address the field of rural development, sustainable agriculture and animal health pertaining to the Baltic Sea Region and to some degree also the Great Lakes region. The course consists of three modules:

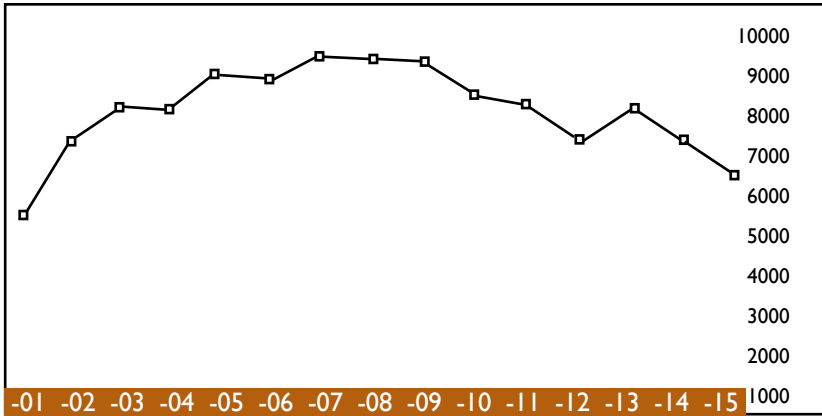
Environmental Management (30 ECTS)

- i. **Sustainable Agriculture** (7.5 ECTS).
- ii. **Ecology and Animal Health** (7.5 ECTS),
- iii. **Rural Development and Land Use** (7.5 ECTS).

Course Statistics

The green column below shows the number of students on the BUP courses, in the different countries.

BSE - Baltic Sea Environment/Environmental Science
 POB - Peoples of the Baltic/Regional Development
 SBR - A Sustainable Baltic region
 SWM - Sustainable Water Management
 SCD - Sustainable Community Development
 EE - Environmental English
 EM - Environmental Management
 EHSA - Ecosystem Health and Sustainable Agriculture
 Others - number of students in courses using the BUP material as 50% or more of total course materials

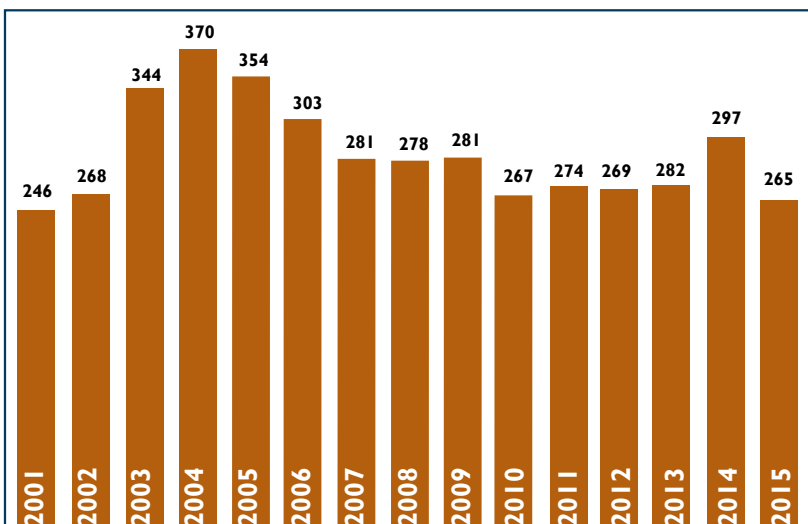


Total amount of students 2001-2015.

Number of students on the different course sectors:

Country	Universities	Teachers	Study groups	Students	BSE	POB	SBR	SWM	SCD	EE	EM	EHSA	Others
Finland	2	4	3	131	66	0	23	0	0	0	0	0	42
Estonia	5	6	25	615	12	32	0	0	13	0	0	0	558
Latvia*	7	11	52	1579	81	18	219	106	210	61	255	0	629
Lithuania	14	22	18	421	139	50	192	0	0	0	22	0	18
NW Russia	9	17	20	183	55	63	10	22	9	0	24	0	0
Kaliningrad	3	10	7	130	45	0	85	0	0	0	0	0	0
Belarus	27	36	46	1190	150	60	720	70	0	47	35	20	88
Ukraine	9	27	27	330	0	47	178	0	11	68	26	0	0
Slovak Rep.	3	7	13	362	0	39	60	10	0	0	0	196	57
Czech Rep.*	1	9	17	328	0	0	0	0	0	0	77	0	251
Poland	61	69	26	690	20	27	304	10	204	0	0	0	125
Germany	7	12	5	233	35	12	186	0	0	0	0	0	0
Norway	1	1	0	0	0	0	0	0	0	0	0	0	0
Denmark*	4	5	5	90	0	0	0	0	20	0	40	0	30
Sweden	1	1	1	80	0	0	0	0	80	0	0	0	0
TOTAL	154	237	265	6362	603	348	1977	218	547	176	479	216	1798

* Figures are from 2014



Total number of BUP study groups from all courses.

Feeding the World Without Destroying it Can Food Production Be(come) Sustainable? 15-19 April in Rogów, Poland

Some of the text below is from the article *Baltic students concerned about sustainable foods* by Dr Cornelia Nauen on Mundis Maris website <http://mundusmaris.org/index.php/en/projects/proj2015/1730-baltic>

Nearly 70 students had followed the invitation to the Students' Conference "Feeding the World without Destroying the World: Can Food Production Be(come) Sustainable?" in Rogow, Poland, from 15 to 19 April 2015. They are pursuing their studies at the universities, which are part of the Regional University Network called the Baltic University.

Prof. Alexander Feher of the Slovak University of Agriculture in Nitra gave lectures on sustainable food production and food security lecturers provided inputs about different angles to the challenge. In his talk about the "landscape and food production - biodiversity" Prof. Feher gave ample examples about how humans are shaping their environment to the needs of their production and consumption system. Large-scale monoculture may make impressive photos of sunflowers or other industrial crops reaching to the horizon, Prof. Feher cautioned that these are not viable in the long run. Underneath the monotony, nature often shows profound traces of its history, e.g. in old meanders of rivers that can be traced in aerial photos. Growing globalisation is moreover transporting previously separated species of plants and animals across natural boundaries. Such newcomers may become invasive species, if they have no natural predators or diseases to keep them in check. Their expansion may happen at the expense of native species until a new equilibrium is established. Though introductions of alien species do not automatically lead to invasiveness, they often lead to large economic and ecological costs.

Doreen Stabinsky, Professor of Global Environmental Politics at the College of the Atlantic in Bar Harbor, Maine and Zennström Visiting Professor in Climate Change Leadership at Uppsala University gave a lecture on Food and Climate change.

Prof. Zbigniew Floriańczyk from the Institute of Agricultural and Food Economics in Warsaw lectured on Regional perspective on food and food production.

Assoc. Prof. Lubos Jurik from Slovak University of Agriculture in Nitra lectured on The Landscape and Sustainable Food Production. Prof. Jurik added perspectives on soil and water to the discussion how food production shaped landscapes. His take-home message centered on the need to care for soils and water as essential resources for our survival.

Dr Sylvia Lorek of Sustainable Europe Research Institute (SERI) and the University of Applied Science in Münster, Germany spoke about consumers and sustainable consumption and engaged the students to reflect on what the students considered as sustainable food. She also challenged the students to think about what might happen in case of a failure in the sophisticated supply chains for food, e.g. when electricity shortages might affect fresh and frozen food and the growing offer of ready meals. The students discussed in groups of fours and came up with a range of responses as to how to overcome such a crisis.



Prof. Alexander Feher of the Slovak University of Agriculture in Nitra lecturing.

Conference

Photos by Krzysztof Ciesielski.

Rogow

The sustainable food debate then also touched on other aspects, which may look less dramatic at first glance, but have huge repercussions on how humans change the planet. Few people realise that the industrial food production system and its international trade and distribution system account for almost 50% of CO₂ emissions and associated climate change. The material and energy inputs are just enormous. "Worst offenders" in terms of the carbon and water foot prints are beef, butter, cheese and other dairy products.

Two students from the Research Institute for Physical and Chemical Problems of Belarusian State University, Lizaveta Gotina and Sviatlana Kavaliok, gave an animated talk complete with experiments and samples that addressed the question "Edible packaging films – a helpful eco-friendly idea or the next BIG food product?"

Dr Cornelia E Nauen of Mundus maris spoke to the topic of food security and the sea. She illustrated the four major threats to sustainable marine food and the essential role of the ocean for life on earth: She summarised her lecture with eight practical proposals put forward last year by the Global Ocean Commission as a rescue package for the global ocean to turn decline around into recovery. They are

- A UN Sustainable Development Goal for the Ocean , which is already on the way of being achieved.
- Governing the seas by promoting care and recovery.
- No more overfishing.
- Stop Illegal, Unreported and Unregulated Fishing.
- Keep plastics out of the ocean.
- Establish binding international safety standards and liability regarding offshore oil and gas.
- Monitor the seas by establishing a Global ocean accountability board.
- Creating a High Seas Regeneration Zone.

After so many inputs and exchanges, it was time for an even more interactive workshop. The hosting team of previous speakers invited the students to a world café style conversation about the key question of the conference. Can food production be (come) sustainable?

In three rounds of intensive listening and conversation the students came up with lots of interesting ideas which clustered under the headlines: Act on lifestyles and sustainable being, reform policies and incentives, make education for sustainability cool and manage land and water resources in ways compatible with the regenerative capacities of mother Earth!

Dr Cornelia Nauen



Doreen Stabinsky, Professor of Global Environmental Politics at the College of the Atlantic in Bar Harbor, Maine and Zennström Visiting Professor in Climate Change Leadership at Uppsala University gave a lecture on Food and Climate change..



Dr Cornelia E Nauen of Mundus maris lecturing on food security and the sea.



Intensive listening and conversation in the concluding World Café



PhD Award and Small Grants 2015

Text by Christian Andersson
Photos by Krzysztof Ciesielski.



The winner of the 2015 BUP PhD Award Ikenna Anugwom received the prize from the hands of Prof. Ireneusz Zbicinski and Prof. Lars Rydén in a ceremony at the 3rd BUP PhD Conference in Rogów, Poland, in November 2015.

Ikenna Anugwom was born in Lagos, Nigeria and moved to Finland in 2002. He has been living in Finland with his family since. His thesis is entitled “Towards Optimal Fractionation of Lignocellulosic Biomass Using Switchable Ionic Liquids”, and was in March 2014.

The price jury’s motivation for its decision to honour Dr Anugwom’s thesis:

Lignocellulose is by far the most abundant renewable organic material on Earth and of undeniable first-tier relevance for a sustainable development, as an energy source, but also, still more important, as a raw material for industrial production. Lignocellulose is built by nature for durability and strength and its processing has always been a challenge. Recent approaches have included the use of ionic liquids, and Anugwom Ikenna has extended this approach still further to the concept of “switchable ionic liquids” where the properties are controlled by the additions/removal of gaseous compounds such as carbon dioxide or sulphur dioxide. The thesis of Anugwom Ikenna is thus in the forefront of lignocellulose technology, and together with its high quality and size establishes its position as the best among theses of young scientists in 2014.

In 2015 The Baltic University Programme opened for the first time the possibility to seek financial support for a small project for master and PhD students at the member universities. 13 candidates sent in projects with applications for economic support. The applications were reviewed by a Baltic University Programme Committee, which ranked the projects in the first place for novelty and

creativity, but also if they were realistic to carry out and had a reasonable budget.

The BUP Small Grants Project (SGP) Committee recommend that the project “Comparison of the Sewage Sludge Management Alternatives in the Context of Sustainable Development: Material and Global Warming Analysis” by Natalya Shepeleva, Belarusian State Technological University is funded with a total of EUR 3,000.

The 2015 winner Natalya Shepeleva is since 2013 PhD student at the Department of Industrial Ecology at the Belarusian State Technological University, Republic of Belarus, Minsk.

Sailing For Our Common Sustainable Future



30 students from 14 nations and teachers from 5 nations near the Baltic Sea came together for the SAIL course organised by BUP. For two intense weeks the students and teachers live and act together around the clock also on board on the Polish tall ship STS Fryderyk Chopin.

Life onboard

On August 5th this team left Aalborg heading first for Blyth, on the east coast of England. For three consecutive days we were unlucky to only have west winds that made the journey over the North Sea impossible for us. On the North Sea oil and gas drilling platforms and large shipping vessels were constant reminders of how cheap fossil energy and global trade never sleep in our societies. On the flip side we had time to acclimatise to waves, sail manoeuvres and life onboard. Instead we had to leave the North Sea to head for Skagerrak and Gothenburg. After a day and night visiting Kattegat and Copenhagen we continued south passing Møn on a stormy night and following morning of the 17th we passed Rügen before reaching the final harbour of Swinoujście. Most of us were delighted to be ashore yet many had mixed emotions about that the trip was coming to an end.

Studies

Students and teachers learned and shared knowledge about social, economical and ecological sustainability. Eutrophication, pollution, overfishing, invasive species are some symptoms of the state that the very sensitive and badly hurt Baltic Sea has been in and continues to suffer from.



SAIL 2015. Teacher Bernt Eriksson. Photo by Mårten Thorslund.

The final project work had topics that ranged from water sampling to measuring salinity, eutrophication, algae and cyanobacteria, to measuring the food waste produced along the journey and a thorough eco-mapping of Fryderyk Chopin to name a few.

Crossing borders

Multiculturalism, system change, co-operation and legislation have to be combined to overcome the current problems of the region. The students will grow old in the second part of the 21st century and the shift towards a more sustainable development has begun but is still lagging very much behind. BUP member universities together make a force to be reckoned with and one that can address the regions' present needs without sacrificing the rights and needs of future generations and societies.

Lessons learned

The vessel, much like our planet too, is an interlaced ecosystem where many people have to share a limited space acting responsible for the sustainable managing of its finite resources. This is unfortunately not the case nor have it been for the past 40 years. There is simply no time left to waste. No one says it better than one of the teachers of this years SAIL course, Dr Dennis Meadows: "What we meant in 1972 in "The Limits to Growth", and what is still true, is that there is simply no endless physical growth on a finite planet. Past a certain point, growth ceases. Either we stop it ... by changing our behaviour, or the planet will stop it. 40 years later, we regret to say, we basically have not done anything." (Article by Rainer Himmelfreund-pointer in Church and State 3 June 2012. Interview with Dennis Meadows: There is nothing we can do).

The way forward must include true decoupling. It is critical for citizen movements and local and intergovernmental governance to set new standards and enable legislations and make the change for this transition in communities and societies.

We learned to jibe and tack successfully enough and learned about the importance of teamwork. We made some new and very good friends. New alliances formed for the future of sustainable development in the region. I'm certain that most of the participants like I did, stretched their mental boundaries and capabilities. I hope reading this helped to somewhat stretch yours too and that you will think and also act accordingly.

Mårten Thorslund

Crew member and student of SAIL 2015, STS Fryderyk Chopin, August 4-18th 2015.

Assessing the Status of Sustainable Development in the Baltic Sea Region

a macro regional perspective

Text by Olga Zuin

The study *Assessing the status of sustainable development in the Baltic Sea Region – a macro regional perspective* is conducted by BUP and mandated by the Expert Group on Sustainable Development (EGSD) of the Council of Baltic Sea States (CBSS), whose task is to implement Baltic 21 objectives and work towards the achievement of sustainable development (SD) in the Baltic Sea Region (BSR).

SD is a concept interpreted through different underlying worldviews. This is the reason why the first objective of the study is to capture how SD is understood and implemented in the region, aware of the importance of European policies and of the forthcoming Sustainable Development Goals (SDGs). The second part of the study aims to assess the status of implementation of SD in relevant selected areas or sectors, and to identify general constraints, challenges, but also opportunities for the achievement of sustainability in the region.

As mentioned, SD is variably understood in different countries and contexts. The common basis for its conceptualization is the definition contained in *Our common future*: “Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs”¹. Although almost 30 years have passed since this concept was adopted, still SD is not a straightforward process, and a complete account of all the perspectives on the topic is impossible. Despite the acknowledgement of the importance of the various networks and constellations of stakeholders within the region, the study has chosen to select the national level perspective and analyse the National Sustainable Development Strategies (NSDSs), related progress reports, and feedbacks received from the countries’ stakeholders. This enabled the creation of a framework which describes SD’s understanding in each country, and supports the creation of a narrative representing a macroregional perspective on SD. The aforementioned framework identifies the general understandings of SD in the re-



Olga Zuin lecturing on the new CBSS report. Photo by Tomasz Rozwadowski.

gion, the most important and shared goals, the types of stakeholders engaged, the implementation structures, and the monitoring tools.

This framework serves as a point of departure for identifying the most relevant areas or sectors in the region. At this stage, in order to assess the status of implementation of SD in the region, further selection is needed. Following this logic, the areas chosen for the assessment are climate change and renewable energy, and policies linked to these topics are further analysed.

The outcome of this report will help building capacity among policymakers, as well as other actors and networks, which are working towards a more sustainable region. Aware of the SDGs and of the relevance that systemic ways of understanding SD will play in the future, the BSR can become a pilot region for new approaches to sustainability, where research institutions and university networks shall play a leading role in the achievement of common goals, whilst at the same time preserve the variety and richness of approaches to Sustainable Development.

¹ Report of the World Commission on Environment and Development: *Our Common Future*, 1987, p.41

BUP Summer Course Hamburg 2015

Implementing Sustainable Development in European Cities and Regions

The Summer Course is an initiative of the German offices of the Baltic University Programme in Hamburg and in Zittau organized in cooperation with the BMBF Project, “German-Polish Energy Efficiency Project” (GPEE), the summer course is meant to acquaint delegates from various countries on matters related to energy and water resource efficiency, and education for sustainable development in the region, as well as foster international and multicultural learning.

The course started with a presentation by Bernd Delakowitz from University of Applied Sciences in Zittau on Germany’s energy transition which interests me since I know a little of Germany and also I am an environmental engineer student enthusiastic about energy issues. In addition to the presentations I got acquainted to students from other countries including Russia, Germany, Vietnam, Poland, Finland, Mexico, and Ukraine. The lectures were comprehensible from different view points. There was even a lecture on the contributions of fashion to sustainable development. This wide range of disciplinary contributions is what interests me the most and made me realize how everyone, no matter your field, can make a contribution to sustainable development.

*Alexis Awaitey
Mikkeli University of Applied Sciences, Finland*

I’m very happy, that I could participate in the BUP Summer Course 2015 in Hamburg. I learned a lot about implementing sustainable development, rainwater management and storm water use, etc. The workshop, by Dr Les Duckers I liked the most. I think that all students were interested in sketching graphics of dependence between used gas and degree days to determine how much gas is used for heating and how much for process energy.

For me, as a student from Ukraine, the sustainable development theme is new and is undeveloped in my country. So, after this summer course I came home full of new ideas. And now I think that in the near future Ukraine will also be on this way of development.

During the summer course I found new friends and the time that I spent in Hamburg was amazing. As a wish for the future, I would like to ask for more workshops in the summer course programme.

Thanks to the organizers for the invitation.

*Halyna Parobok
Ternopil National Technical University, Ukraine*



The author Alexis Awaitey in the middle. Photo: Phat Pham Nguyen Tien



Halyna Parobok Photo: Photo: Katya Kargina

Conferences, Seminars & Events 2015

The calendar for 2015 below shows an overview of the activities in the BUP network taking place in addition to the courses. These activities include students' conferences, teachers and other professional competence development, meetings and study visits.

March

BUP Centre Directors Meeting
29-31 March 2015
Lodz, Poland

April

BUP Students' Conference
15-19 April 2015
Rogów, Poland

May

Teachers Competence Development
Training in ESD "Steps to a
Sustainable Future"
10-13 May 2015
Uppsala, Sweden

Research conference Sustainable
Agriculture and Land Use
25-26 May 2015
Nitra, Slovakia

BUP Board meeting
29 May Uppsala, Sweden

June

Workshop on ESD and learning
materials
1-3 June 2015
Hapsalu, Estonia

EUSBSR Annual Forum
15-16 June 2015
Jurmala, Latvia

SAIL for Teachers
(Stavanger – Belfast)
25 June-2 July 2015

August

SAIL for Students
(Aalborg – Swinoujscie)
4-18 August 2015

September

BUP Summer Course on Energy
Efficiency
8-11 September 2015
Hamburg, Germany

October

BUP Teachers' Training
25-28 October 2015
Rogów, Poland

November

BUP Centre Directors Meeting
9-11 November 2015
Minsk, Belarus

BUP PhD students' conference
22-26 November 2015
Rogów, Poland

December

BUP Board Meeting
14 December 2015
Uppsala, Sweden



Prof. Lars Österlund lecturing at SAIL 2015.
Photo by Märten Thorslund.



Dr Arnold Bernaciak lecturing at the Teachers' conference in Rogow. Photo by Krzysztof Ciesielski.



Discussions at the PhD Students' conference. Photo by Krzysztof Ciesielski.



Ikenna Anugwom receiving PhD award. Photo by Krzysztof Ciesielski.



Students' conference in Rogów, Poland. Photo by Krzysztof Ciesielski.



Discussion at PhD students' conference. Photo by Krzysztof Ciesielski.



Dr Sylvia Lorek lecturing at Students' conference. Photo by Krzysztof Ciesielski.



Students' conference 2015 in Rogów. Photo by Krzysztof Ciesielski.



Teachers' conference participants in Rogów. Photo by Krzysztof Ciesielski.



Student sailors. Photo by Mårten Thorslund.



PhD students' conference. Photo by Krzysztof Ciesielski.

Organization

Baltic University is a regional university network in the Baltic Sea region, with about 200 members among institutions of higher learning. The network is coordinated by a Secretariat at the Uppsala Centre for Sustainable Development, Uppsala University. We work to establish education for sustainable development with an interdisciplinary perspective. We do that by organising meetings, conferences, workshops and projects with researchers, teachers and students. Some of the results from this cooperation has developed into an extensive work package on sustainability and regional development. The Baltic University Programme is led by an international board. The task of the board is to develop the contents and long term policy of the Programme, and to support its implementation at the participating universities. The board also works for the financing of the Programme and decides on its plan of activities. The day-to-day activities are coordinated and carried out by the secretariat located at Uppsala University. The secretariat also administers the Programme economy, including applying for financing and contacts with the funding organizations. The 15 centres distribute information on courses and develop Programme activities within their countries. All countries except Norway have a BUP national centre. Russia, In addition, has centres in both St. Petersburg and Kaliningrad, and Germany in both Hamburg and Zittau.



The National Centres 2015 and Centre Directors

Belarus

Belarusian State University, Minsk
Assoc. Prof. Siharei Darozhka

Czech Republic

Technical University of Ostrava
Dr Alena Labodova

Denmark

Aarhus University
Assoc. Prof. Henrik Knudsen

Estonia

Tallinn University of Technology
Prof. Tatyana Polayeva

Finland

Åbo Akademi University
Dr Paula Lindroos

Germany

Hamburg University of Applied Sciences
Prof. Walter Leal

University of Applied Sciences, Zittau/Görlitz,
Prof. Bernd Delakowitz

Kaliningrad region of Russia

Immanuel Kant Baltic Federal University
Dr Elena Kropinova

Latvia

University of Latvia, Riga
Dr Kristine Abolina

Lithuania

Kaunas University of Technology
Assoc. Prof. Linas Kliucininkas

North-Western region Russia

St Petersburg State University
Prof. Victor Ionov

Poland

Technical University of Lodz
Prof. Ireneusz Zbicinski

Slovak Republic

Slovak University of Agriculture, Nitra
Assoc. Prof. Alexander Feher

Sweden

Blekinge University of Technology, Karlskrona
Prof. Lars Emmelin

Ukraine

Ivan Franko National University of Lviv
Dr Iryna Kriba

The Secretariat 2015

Director: Matthew Kott, PhD (to 20150630)

Lars Rydén, Prof. (from 20150701)

Network Manager: Maria Hejna, MSc. Econ.,

Web Master: Christian Andersson, PhD

Producer: Magnus Lehman, MA,

Project Assistant: Lyudmyla Babak, MA

Project Assistant: Wojciech Szrubka, PhD (to 20150630)

Project Assistant: Sam Grönholm (to 20150630)

Project Assistant: Olga Zuin (to 20150630)

Project Leader: Genene Mulugeta, PhD

The BUP Board 2015

"A new 3-year term for the Board began on July 1st"

Members continuing

Elisabeth Nihlfors, Prof., Uppsala University, Sweden

Matthew Kott, Prof., Uppsala University, Sweden

Ian Snowball, Prof., Uppsala University, Sweden

Ireneusz Zbicinski, Prof., Lodz, University of Technology, Lodz, Poland

Members leaving July 1st 2015

Roland Roberts, Prof. Uppsala University, Sweden (Chair)

Carl Lindberg, Adviser to the Swedish UNESCO Council, Sweden

Per G Berg, Prof., Swedish University of Agricultural Sciences, Uppsala, Sweden

Maria Wetterstrand, Former co-chair of the Green Party, Sweden

Malin Brännback, Prof., Vice Rector, Åbo Akademi University, Finland

Tatyana Polayeva, Prof., Tallinn University of Technology, Tallinn, Estonia

Victor Ionov, Prof., St Petersburg State University, St. Petersburg, Russia

Håkan Emilsson, Uppsala University student representative, Sweden (one year appointment)

Ahmed Mansour, International student representative Metropolia

University of Applied Sciences, Finland (one year appointment)

New members from July 1st 2015

Olle Jansson, Adviser to the Vice-Chancellor, Uppsala University, Sweden, (Chair)

Anders Jonsson, Adviser to the Swedish UNESCO Council, Sweden

Madeleine Granvik, PhD, Swedish Univ. of Agricultural Sc., Uppsala, Sweden

Tapio Salmi, Prof., Åbo Akademi University, Finland

Iryna Kriba, PhD, Ivan Franko National University of Lviv, Ukraine

Walter Leal, Prof. Hamburg University of Applied Sciences, Hamburg, Germany

Falco Richardson, Uppsala University student representative, Sweden (one year appointment)

Paweł Bogusz, International student representative, Wroclaw University of Environment and Life Sciences, Wroclaw, Poland (one year appointment)

One vacancy

The BUP Network



