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The Baltic University Programme

ANNUAL REPORT 2011



CSD Uppsala.

Uppsala Centre for Sustainable Development

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The Baltic University Programme in 2011



20 years of challenges, successes and networking

Why not use and explore further the potential we have in our own region, the Baltic Sea Region? These thoughts were expressed by vice chancellor Anders Hallberg at the BUP Rectors' Conference in October 2011. So why not – instead of focusing further away in the world, we have here a region where distances are short and culturally it is easier to cooperate? And for many students the Baltic Sea Region will most likely become a region to work in. A good personal knowledge of the region is therefore of importance.

The year 2011 was an important milestone for the Baltic University Programme. Starting in 1991 with some 40 universities and now with more than 200 institutions of higher education participating, BUP shows that this university network has potential and is recognized by the universities. A solid platform for cooperation has been created during these years. Two new national BUP Centres have been inaugurated this year. These are in Denmark and in Sweden, at Aarhus University and at Blekinge Institute of Technology, respectively. We wish you warmly welcome!

The main celebration of the 20th anniversary was held in connection to the 3rd BUP Rectors' conference in October. This conference was prepared by a pre-conference in February and a wide representation of universities and countries in the region gave us good directions for activities in the coming years. Contributions from participating universities, undergraduate-, masters- and PhD-level activities, teachers'

international competence development and campus greening were topics which resulted from the group works and which were taken further to be discussed at the Rectors' Conference.

Sustainable regional development is our focus area. In higher education it is now more recognized than 20 years ago, but still it is often part of environmental studies and research. Here we have a big challenge for the coming years, to work for the integration of the social and economic aspects into the sustainability context. The BUP network has produced a wide range of teaching materials to support the integration of sustainable development into higher education. We are now in a process of updating the older materials, at the same time as we find ourselves in new cooperation projects. Marine Spatial Planning is one such theme which has been initiated during this year. There is notably a huge interest in these topics, as also this year we find that more than 8,000 students have read the BUP courses, reported by 161 universities in the region. Conferences have been organized for students and for teachers which have focused on different aspects of sustainability, such as energy and security.

Finally I want to thank all partners and financers for excellent support and cooperation during the year 2011!

Paula Lindroos

Introduction

The Baltic University Programme is a network of more than 200 institutions of higher education in the Baltic Sea region, coordinated by a secretariat at Uppsala University, Sweden. The Programme's main focus is to produce and offer courses for studies on sustainable development of the region, of its environment and its political changes. The Baltic Sea region is in this case the drainage basin of the Baltic Sea. There are 14 countries completely or partially within the basin, including the Nordic and Baltic States, Russia, Poland, and Germany, as well as the major inland states of Belarus, Ukraine and the Czech and Slovak republics. The region has 85 million inhabitants constituting 11% of the population of Europe.

"The purpose of the Programme is to promote and support universities and corresponding institutions in the development of the Baltic Sea region towards peaceful cooperation, democracy and economic, social and ecological sustainable development."

Instructions to the Board

The Role of Universities

Universities, where new generations receive their education, have a key role in the changes towards a democratic, peaceful and sustainable development of the region. This builds on a long tradition of internationalism within the academic world. Today universities also address the general public, and cooperate with authorities and companies when specialist competence is needed. These roles of the universities are needed even more after the dramatic political and societal changes that have taken place in our region.

Courses and Applied Projects

The Programme produces curricula and teaching materials. All of the courses have an element of regional studies and are interdisciplinary and problem oriented. The Baltic University Programme network intends to be useful to several sectors of society. The activities and study materials have been used in many of the countries as a resource to develop national strategies of sustainable development. The network has also been a resource in the development of cities. Cooperation with other actors in society in applied projects is an important part of studying and developing sustainability strategies.

Sustainable Development

The Baltic University Programme was initiated by Uppsala University in 1991. It has its roots in the major changes in the Baltic Sea region at the end of the Cold War. Global efforts to promote sustainable development started during the same period, with the World Summit for Environment and Development in Rio in 1992. Sustainable development addressing environmental, economic and social issues has become a widespread goal during the changes in the Baltic Sea region. Today, the Baltic University Programme has developed into one of the largest university networks in the world with more than 200 universities and institutions of higher education. Several kinds of universities are active within the network: classical, technical, agricultural and pedagogical and universities of applied sciences. The participating universities cooperate in areas of common interest for the whole region – a sustainable regional development.

Organization

The Baltic University Programme is led by an international board, appointed for a period of three years by the Rector of Uppsala University. The task of the board is to develop the contents and long term policy of the Programme, as well as to follow and support its implementation at the participating universities and institutions. Furthermore, the board works for the financing of the Programme and decides on its plan of activities. The day-to-day activities are coordinated 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 have one national centre except for Russia with centres in St. Petersburg and Kaliningrad and Germany with centres in Hamburg and Zittau.

The National Centres 2011

Belarus

Belarusian State University, Minsk
Centre Director: Siharei Darozhka, Assoc. Prof.

Czech Republic

Technical University of Ostrava
Centre Director: Alena Labodova, Dr.

Denmark

Aarhus University
Centre Director: Michael Goodsite, Prof.

Estonia

Tallinn University of Technology
Centre Director: Tatyana Polayeva, Prof.

Finland

Åbo Akademi University
Centre Director: Ea Blomqvist, MSc

Germany

Hamburg University of Applied Sciences
Centre Director: Walter Leal, Prof.

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

Latvia

University of Latvia, Riga
Centre Director: Kristine Abolina, Dr

Lithuania

Kaunas University of Technology
Centre Director: Linas Kliucininkas, Assoc. Prof.

Poland

Technical University of Lodz
Centre Director: Ireneusz Zbicinski, Prof.

Russia

Kaliningrad region
Immanuel Kant Baltic Federal University
Centre Director: Elena Kropinova, Dr

North-Western region

St Petersburg State University
Centre Director: Victor Ionov, Prof.

Slovak Republic

Slovak University of Agriculture, Nitra
Centre Director: Alexander Feher, Assoc. Prof.

Sweden

Blekinge University of Technology, Karlskrona
Centre Director: Lars Emmelin, Prof.

Ukraine

Ivan Franko National University of Lviv
Centre Director: Iryna Kriba, Dr

The Secretariat 2011

Director: Christine Jakobsson, MSc. Agr. (until May 2011),
Paula Lindroos, PhD (from May 2011)

Network Manager: Maria Hejna, MSc. Econ.,

Web Master: Christian Andersson, Dr.

Producer: Magnus Lehman, MA,

Project Assistant: Lyudmyla Babak, MA

Professor Emeritus: Lars Rydén, Professor

The BUP Board 2011

Chair: *Lars-Christer Lundin*, Professor
Uppsala University, Sweden

Vice Chair: *Caroline Liberg*, Professor
Uppsala University, Sweden

Lars Holmer, Professor, Uppsala University, Sweden

Matthew Kott, PhD, Uppsala University, Sweden

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

Lena Sommestad, Member of Parliament, Former Minister of
Environment, Stockholm, Sweden

Carl Lindberg, UNESCO special advisor, Sweden

Paula Lindroos, PhD, Åbo Akademi University, Finland

Tatyana Polajeva, Professor,
Tallinn Technical University, Estonia

Ireneusz Zbicinski, Professor, Vice Rector,
Technical University of Lodz, Poland

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

Student representatives:

Pontus Ambros, Uppsala University, Sweden

Kristine Bogomazova, University of Latvia, Riga, Latvia (until
July 2011)

Magda Barecka, Lodz Technical University, Lodz, Poland
(from July 2011)

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 2011, 161 universities registered 8,288 students in a total of 274 course groups. There were 263 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. Each year we organize at least one large teachers' conference on education for sustainable development and one teacher training on another subject. In 2010 three conferences/teacher training workshops and two seminars were held on Education for Sustainable Development. Teachers get the opportunity to discuss with colleagues how to use 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.

Students are invited to attend summer camps, sailing trips and other events organized by the participating universities and the Baltic University Programme Secretariat. Students' conferences are arranged regularly to promote contacts, international understanding and democracy development. Since 2008 we have held both a spring and autumn Students conference.



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. A discussion forum, a guest book and information about the countries in the Baltic Sea region can also be found. One part of the homepage is dedicated to Education for Sustainable Development ESD (www.balticuniv.uu.se/ESD) and much information can be found on this topic there. This part of the homepage is financed by the Finnish Ministry of Education via Åbo Akademi University.

In 2004, the first full distance mode BUP course was launched the Sustainable Water Management 15 ECTS credits course. The distance mode SWM course is offered by the Air and Water Science Section of the Department of Earth Sciences at Uppsala University. 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 Concepts of Sustainability (COS) giving 5 ECTS credit points was presented for the network during 2008 and offered by the Open University at Åbo Akademi University. This introductory course in sustainability is made in the open source learning platform Moodle with all course material electronically available. Included in the course material is Chapter 25, (Tage Sundström, Lars Rydén), from the book "Environmental Science – understanding, protecting and managing the environment in the Baltic Sea region" from 2003, which is one of Baltic University Press publications

SAIL – Sustainability Applied in International Learning is an international course at Uppsala University 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 during 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

Master's 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

This is an intermediate level English language course which 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-, agricultural-, transport- and community development. (7.5 ECTS)

SAIL – Sustainability Applied in International Learning

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

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 since 2004

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 includes three modules:

Community Development (15 ECTS)

- 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 for 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).



Conferences, Seminars & Events 2011

In addition to the regular Baltic University Programme courses given at universities in the region, we also offer other activities for students and competence development and meetings for teachers and researchers. In these conferences, seminars and events we focus on some specific theme. The students' conferences have this year concentrated on energy and on stability. For teachers we have offered seminars and conferences on education for sustainable development, and several meetings on the renewal and updating of existing courses. This year Baltic University Programme organized the first meeting which focused on development of research cooperation, organized by the German BUP centre. The Rectors Pre-conference and the Conference have given important input for the future of Baltic University Programme. The activities are directed to rather equally to teachers and researchers (11), students' (8) and meetings and conferences for the network (9). Below is a list of events held during the year 2011. For future events, please see the BUP website, www.balticuniv.uu.se, and subscribe to the Baltic University Programme Newsletter, which is distributed via e-mail.

Centre Directors Meeting

26-28 January
Turku, Finland

Preparatory Meeting for the Rectors Conference

17-18 February
Uppsala, Sweden

European Sustainable Development Seminar

16-19 March 2011
Minsk, Belarus

Seminar on Democracy Development

12-14 April.
Dnepropetrovsk, Ukraine

Student Conference 2011

13-17 April
Rogow, Poland

BUP Board Meeting

6 May
Uppsala, Sweden

ESD for Academic Teachers

16-19 May
Moskov, Russia

EMS & CSR Conference for Teachers and Ecologists

17-21 May
Rogow, Poland

Ecoregion Project Meeting

24-26 May
Akershus, Norway

Research Network Cooperation

26-27 May
Hamburg, Germany

BUP Centres Meeting

20-22 June
Minsk, Belarus

SAIL Teachers Meeting

? June
Warsaw, Poland.

Challenges for Sustainable Development (Intensive course)

3-23 July
Lodz, Poland

Environmental Awareness Communication

31 July-14 August
Vidzeme, Latvia

EHSA Reference Group meeting

10-12 August
Uppsala, Sweden

SAIL – Sustainability Applied in International Learning

11–28 August
On board STS Fryderyk Chopin from Halmstad, Sweden to Turku, Finland via Warnemünde, Rönne, Karlshamn, Kalmar, and Tallinn

Sustainable Baltic Region Course Update Meeting

16-18 August
Hel, Poland

Water Environment and Spatial Natural Complexes

26-28 August
Petrozavodsk, Russia

Teachers Conference on Regional Development

2-6 September
Gniezno, Poland

International Summer School on Implementation of Sustainability into Research and Teaching of Universities

11-21 September
Lüneburg, Germany

Summer Course on Sustainability, River Basin Management and Climate Change in the Baltic Sea Region

20-24 September
Hamburg, Germany

Teachers ESD Conference

20-25 September
Hamburg, Germany

BUP Rectors Conference

11-13 October
Uppsala, Sweden

Flagship Project: EU-Baltic Sea Region Strategy Education and Youth Steering Group Meeting

24 October
Gdansk, Poland

SD Teachers Workshop

26-27 October
Turku, Finland

Ecoregion Final Conference

15-18 November
Gdynia, Poland

BUP Students' Conference: Stability and Security

16-20 November
Rogow, Poland

BUP Board Meeting

25 November
Uppsala, Sweden

SWM Course Planning Meeting

8 December
Uppsala, Sweden



PhD Kjell-Åke Nordquist from the Department of Peace and conflict research at Uppsala University lecturing at the student conference on security in the Baltic Sea region.



Participants at the Rector's Conference in October in Uppsala.



Prof. Göran Wall from University of Gotland lecturing at the seminar on Environmental Management Systems and Corporate Social Responsibility.



Exotic polish national musical interlude at the student conference on security.



Alan AtKisson explaining the sustainability Pyramid at the SD teachers workshop in Turku, Finland.



Magda Barecka, student representative of the Baltic University board addressing the international students conference.



SKYPE lecture by Prof Bernd Delakowitz and Engineer Marcus Will at the Environmental Management conference for teachers.



Workshop on Energy systems with the help of lego bricks at the Rogow students conference in april.

Research Challenges

With its wide network of universities, teachers and scientists the Baltic University Programme has a unique position to promote education for sustainable development. By organising conferences, seminars and workshops contacts are maintained and established which has allowed us to develop course packages and educational material in a broad spectre of subjects with an interdisciplinary approach. Even though the main component has been basic education cooperation also research activities have been important. Especially in the field of urban studies the BUP have been engaged in extensive cooperation not only between researchers at universities in the region but also with municipalities. In the beginning of the 90s The BUP established a network of scientists at field stations for marine research. In the early 1990s the BUP established laboratories for Geographical Information Systems at five universities in the network. One of the projects pursued among these to create a digital map of the Baltic Sea region.

Some other interesting projects like BUUF and SUPERBS were investigating community development. In 1998 an internet project was started entitled BEIDS with the objective of disseminating news on sustainability within the Baltic Sea region. Later the applied project Waterpraxis (on water management) and lately also RECO Baltic21 TECH on waste management and German-Polish Energy Efficiency Project (GPEE) was started. The BUP is also to an extent active in Agora 2.0 on sustainable tourism.

The BUP has been an important inspiration in all these projects and in some of them also played a leading part.

In May 2011 a seminar especially for researchers was arranged for the first time by an initiative of HAW Hamburg. The initiator of the seminar, Prof. Walter Leal, suggests that researchers and scientists within the network should organise themselves thematically and form clusters of expertise. A conclusion from the seminar is that the potential for increased cooperation on research within the BUP could be greatly enhanced.

German-Polish Energy Efficiency Project (GPEE)

“Promoting Sustainable Approaches Towards Energy Efficiency in Buildings as Tools Towards Climate Protection in German and Polish Cities: developing facade technology for zero-emission buildings”

German Partners	Polish Partners
Hamburg University of Applied Sciences (HAW Hamburg)	Technical University of Lodz
Envidatec GmbH	Sto-ispo Sp. z o.o.

The main concept of the project; development of the design and technology of the novel facade, includes environmental-economic-social and technical elements. All the activities carried out in the project aim to decrease environmental impact of the final product, from reduction of emissions during the manufacturing process to reduction the impact of the product waste will have, however, not only environmental concern but also relevance for the economy of the society and the social situation for the citizens. The project pursue integration of environmental (ecological), social (fairness) and business (financial) ob-

jectives of the production and performance of the facade to achieve a balance between ecological and economical requirements.

The project addresses three areas of particular importance to the Polish-German Sustainability Research Call, namely it makes a contribution to the improvement of collaboration between the partner countries in the field of sustainability research; it focuses on the topic of key relevance to the Call, namely climate project through energy efficiency and encompasses the three pillars of sustainability, namely:

- ecology, by paying due consideration to environment and climate issues;
- economy, by taking into account the costs and financial implications of energy efficiency measures; and
- society, since the data and results from the project may lead to improvements in energy efficiency in buildings and hence to better quality of life of people in Poland and in Germany.

The central focus of the work is to develop climate protection technologies to increase energy efficiency, by means of fostering energy efficiency in buildings and through the development of innovative approaches to facade technology, to achieve the goal of “zeroemission” buildings.

*Prof. Walter Leal
Hamburg University of Applied Sciences*

AGORA 2.0 – Heritage Tourism for Increased Baltic Sea Region Identity
<http://www.agora2-tourism.net/>

BEIDS Baltic Environmental Dissemination System
<http://www.beids.de/>

BUUF Baltic University Urban Forum
<http://www.balticuniv.uu.se/buuf/>

RECO BALTIC21 TECH
<http://www.recobaltic21.net/>

SUPERBS Sustainable Urban Patterns Around the Baltic Sea
<http://www.pg.gda.pl/cerso/superbs/>

WATERPRAXIS
<http://www.waterpraxis.net/>

Research Challenges

Urban Studies

Research activities within the BUP network

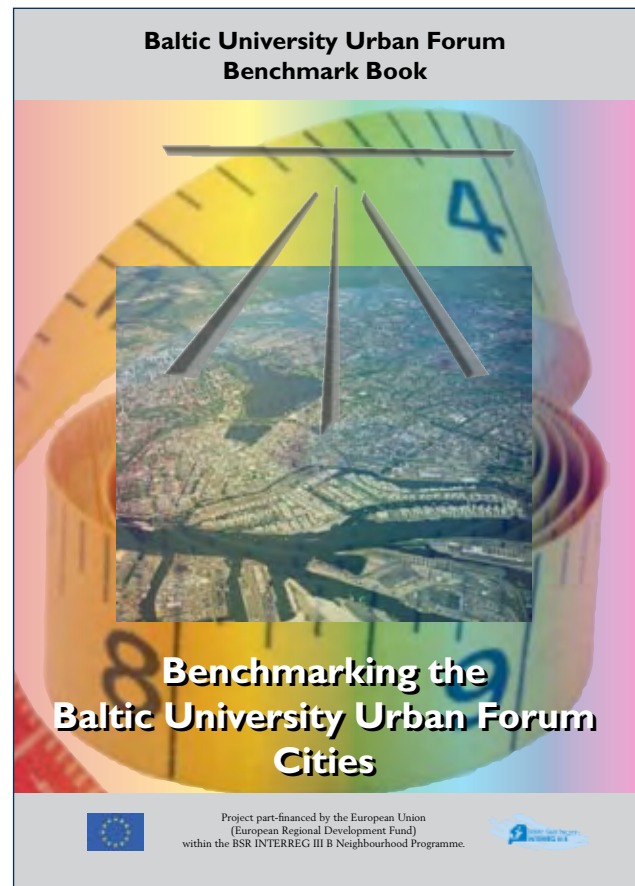
Urban studies within the BUP were started already in 1997, when the programme has developed undergraduate course A Sustainable Baltic Region. One of the topics within the course was Community development – sustainable cities and habitation (Andersson, H. and Berg, P. G. , 1997). In 1999 the programme has initiated INTERREG IIC project Sustainable Urban Patterns around the Baltic Sea (SUPERBS). During the period 1999-2002 a total of 35 case studies were conducted in the cities, concerned with urban planning, democracy and environmental management. Most of the case studies included original research results, published in four reports (Granvik, M. and Rydén, L., 2002; Ryden L., 2003a; Ryden L., 2003b; Ryden L., 2003c.). Based on the project results the Programme developed the master level course Sustainable Community Development

The Baltic University Urban Forum (BUUF) following the SUPERBS project, as another development in the BUP network) conducted between 2003 and 2006. The project was funded by INTERREG IIIB, SIDA, SI and the Uppsala Regional Council,. The BUUF project developed strategies for sustainable development for cities and towns. Twenty cities and towns, and fifteen universities in 9 countries took part in the project. Through the Union of Baltic Cities the results of the project were available for the other cities in the Baltic region. The result of the project was published as a total of 22 reports available at the website of the project. Most important are the thematic guidebooks for sustainability strategies in ten different areas, as well as the indicator book together with an extensive compilation of indicator values for the participating cities and towns. The findings are summarised in Rydén, L. (2006a) and Rydén, L. (2006b).

The Baltic Programme had responsibility for one work package in the following project Sustain, coordinated by Union of the Baltic Cities. Sustain had as focus the establishment of management centres for integrated sustainable development in the cities and produced on handbook (workbook) for sustainability management in cities and towns. The theme was further developed in a series of seminars in four countries based on the publication “Tools for Integrated Sustainability Management in cities and towns” (Rydén, 2008).

At present individual researchers and research groups in the BUP network conduct research in different aspects of urban studies. The major interest is devoted to urban physical resource (water supply, wastewater treatment, energy, waste and transportation) management.

The research group at Kaunas University of Technology carries our research in the field urban transportation (Kliucininkas L., 2012). The assessment of environmental quality is one of the issues of great concern in urban transportation systems development. Today the information about the threats of transport upon environment has become



BUUF guidebooks and status reports are available as downloadable pdf-files from: <http://www.balticuniv.uu.se/buuf/>

known widely enough to the general public. However, principles and procedures of how to evaluate the influence of urban transportation upon human beings and ecosystems and how to prioritize the necessary measures are still vague. This calls for the improvement and broadening of practical knowledge upon environmental issues of urban transportation to be used in decision making and planning. The European Cooperation in Science and Technology (COST) action 350 Integrated Assessment of Environmental Impact of Traffic and Transport Infrastructure (COST 350, 2009) was one of the sources to share current research developments between academic/research institutions in EU and the BUP network.

A further theme is the development of local energy supply, which is dramatically increasing in many municipalities in the Baltic Sea region and elsewhere. The first results have so far been summarised in a short publication (Rydén, 2011) and at conferences in Minsk 2011 and London 2011.

*Assoc. Prof. Linas Kliucininkas
Kaunas University of Technology*



Student's Conferences

An important dimension of the Baltic University Programme is internationalisation and to facilitate contacts between people and cultures of the Baltic Sea region. Examples of this are the conferences in which students meet and participate in workshops. One of the first student conferences was arranged in Riga 1994 in which 50 students discussed on the theme "The Future of the Baltic region". Today students conferences are held twice a year. In 2011 on 13-17 April and 16-20 November and the venue was the Forestry Experimental Station in Rogów which is part of the Warsaw University of Life Sciences.

Energy futures

Changes in Lifestyle, Policy, Security, Technology

The conference was one of the student conferences held by the Baltic University Programme. The conference gathered around 80 students from all over the Baltic Sea region.

My role in the conference was not only to participate as a student, but I also had the opportunity to be a part of the Student Planning Team, responsible for planning and running the conference. This was a pilot try out in which we as students were given a much more influential role. And I can tell you it was not all that easy. Our Student Planning Team consisted of several people from different nationalities, spread throughout the Baltic Sea region. Taking both the geographical distances and cultural differences into account it was a long process. However, in the end the conference was a success!

The topic we chose for the 2011 conference was *Energy futures – Changes in Lifestyle, Policy, Security, Technology*, and we really managed to create a program packed with relevant lectures, innovative workshops and fun social activities. The role-play game *The Energy Game*, and the Alan Atkinson's *ISIS pyramid workshop*, to the *Baltic Debate* and the project workshop *Redesign the World* with Oleg Izyumenko were all very different activities but with interaction as the common denominator. These interaction activities were something we had worked hard for. We did not want the conference to be just a series of lectures, like in school, but we wanted the students to make use of the unique opportunity they had: lots of people from different backgrounds, with different knowledge, perspectives, and ideas. If you are bringing lots of people from different countries together, why not make the most of it?

Our ambition was to make an impact with this conference. We wanted the students to take all of their new knowledge, tools, and inspiration further and actually make some change about the way we live. And I think we did it. The outcome of the workshop was six new student driven projects. Much better than we had hoped for!

All in all, the BUP conferences are quite unique I believe. At this international meeting place you meet people you would probably never meet otherwise. It made me understand how important it is for this region to come together in order to overcome the many challenges and obstacles that are ahead of us. The conferences are of course also creating an environment where lot's of fun happens, and they are good soil to grow and cultivate friendships in, which I believe is one of the best ways to work for peace in the future.

Hannes Kjörnsberg
Uppsala University, Sweden





The Security of the Baltic Sea Region New Generation – New Agenda

The BUP Student's Autumn Conference took place 16-20 November in Rogów a small Polish town near Lodz. The conference was organized by the Secretariat of the Baltic University Network that is located at Uppsala University in cooperation with the BUP center in Poland and Lodz Technical University.

The international conference brought together students and young researchers from 11 European countries with a whole variety of backgrounds: from political science to chemistry and marine studies. The only unifying matter for all of them was the interest in the sustainable development of the Baltic Sea Region.

The conference agenda was adopted to be the security with a special emphasis on energy security and the stable development of the region. The energy security appeared to be a new challenge not only for the relatively stable Baltic Sea Region but for global society. The positive experiences of building bridges more than bringing the region into the disputes could serve as a great example of cooperation and show the world leaders how to deal with these vulnerable issues.

Thanks to the organizing party, major specialists in those areas were invited to lecture and, more importantly, discuss the current challenges with the audience.

Apart from that the young enthusiasts took part in the emulator games as the Utopia Game that provided a chance to act as country agents and to find solutions and a compromises dealing with resource distribution. The participants found their way into the peaceful managing of the potentially conflictful matter.

"The Baltic debate" being the Oxford type discussion allowed them to develop their rhetoric abilities dealing with the very controversial topic of armament and disarmament providing the pro and contra arguments.

One of the most important outcomes of the conference could be stated as a positive tendency of the younger generation more to look for the dialogue and their understanding the common goal being the unified, secure and peaceful region we share. All this gives us a hope for a better future that somehow vanished in the recent-day gloomy and shaky environment.



*Sofya Kalyakina
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University of Turku, Finland.*

Baltic University Rector's Conference

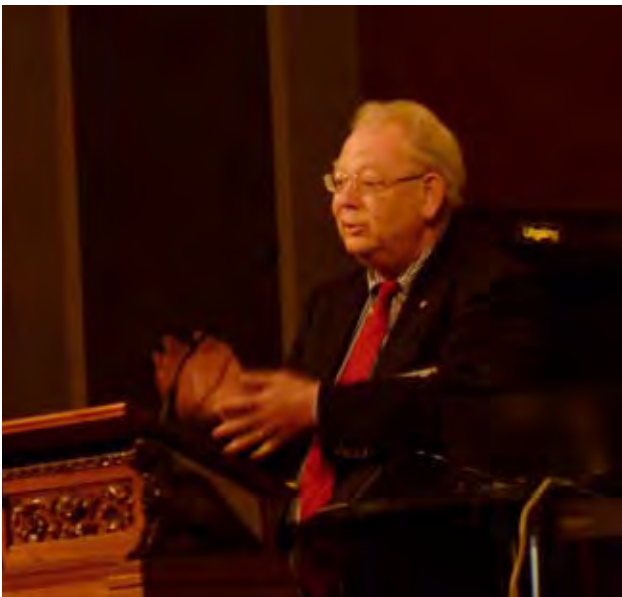
by Magnus Lehman

The 3rd Baltic University Rectors conference was held 11-13 October in Uppsala. Strengthened cooperation in education, competence development and campus greening, were considered among the proposals for future networking and internationalization in the Baltic Sea region. Support for the continued activities was given by all participating university leaders as they all saw the need of strengthened financing for this Flagship of the EU Baltic Sea Region Strategy. The concrete proposal of introducing contributions from member universities was well received and this can be seen as a partial – but very important – way of securing the network.

Over 100 delegates representing 59 universities from 15 countries in the region participated in the conference.

Speakers included among others Prof. Hans van Ginkel, rector of Utrecht University, Peter Honeth, State Secretary for Research from the Swedish Ministry of Education and Research, Jan Lundin, Director General, Council of Baltic Sea States and Jean-Marc Venineaux, Policy Officer from the European Commission, Directorate General for Regional Policy.

An important part of the conference were workshops in which future activities were discussed in parallel coffee table discussions. Topics include BUP students' activities, scientific cooperation, competence development for staff, greening of universities, introduction of voluntary contributions (€ 1,000/year/university), and the continued internationalization of education.



Keynote speech by Prof. Hans van Ginkel, Rector of Utrecht University.



Prof. Ashok Swain, Director of the Center for Sustainable Development at Uppsala University.



Signing of the Declaration on the Baltic University Programme cooperation and contribution.

Baltic University Programme 20 Years

The 20th Anniversary of the Baltic University Programme was celebrated at many occasions over the year and at several universities in the region, with the BUP Rectors' conference in Uppsala as the main event. The initiative to Baltic University Programme came from some forward looking rectors in 1989-90. The first common course "The Baltic Sea Environment" started in autumn 1991. Televised sessions and space-bridges over satellite were accompanied by booklets on 10 different themes. In those days this was cutting edge technology and demanded much from universities, teachers and students. But the enthusiasm of being in live contact with each other, learning the same course and looking at the same programmes, outweighed by far the problems.

Today, 20 years later, we use other means to communicate and to distribute materials. And we are in need of - as much as in the 1990's - competence development and meeting places for teachers and for students to follow the developments in our societies and in the environment and the possibilities provided by new technology. In addition to being a platform for cooperation and a producer of learning materials, Baltic University Programme has another important role to play as the organizer of face-to-face meetings for students, teachers and researchers, and to give them opportunities to learn together and to network. This was recognized by rectors at the conference in October, and seen as one of the important paths for the future of the Baltic University Programme network.



Prof. Lars Rydén (middle), initiator of Baltic University with Lithuanian colleagues in 1990.



The Belarusian BUP centre in Minsk in 1998.



The Polish Baltic University centre in Lodz, 1999..



Workshop at a students conference 2006.



Sailing Student summer camp at Mazury lakes 2004.



Student lecture 2005 on board STS Chopin.

The Moscow project

Education for Sustainable Development

The Baltic University Programme has since 2009 participated in a project organized by the Swedish Environmental Protection Agency (EPA) after an agreement with the Russian Federation. It is part of an effort to increase and support concern for environmental issues on the governmental level in the Russian Federation.

The project called *Education for Sustainable Development* has arranged a number of seminars as well as distant lectures and a newsletter on Sustainable Development in Russia. On the Russian side the partners are Moscow State (Lomonosov) University (MSU) and the Russian Academy of Government Service (RAPA) under the president of the Russian Federation, which is responsible for higher education for state “bureaucrats”, administrators. On the Swedish side Centek at Luleå University of Technology is project leader, while Luelå together with the International Institute for Industrial Environmental Economics, IIIEE, at Lund University and the Baltic University Programme at Uppsala University provides the expertise. All three institutions have quite long experience of cooperating with Eastern Europe.

So far a number of 2 or 3 days seminars have been arranged each with some 50 participants. Most of them have been in Moscow, but two were organized outside (RAPA has institutions at some 60 places in the Federation), in Vladimir and Voronezh.

In general the experiences have been positive, that is good evaluations, efficient learning, good group work. It became obvious from early on that the general theory on sustainable development was not priority, while practical discussion on e.g. waste management, urban planning, energy issues or education for sustainable development was more interesting to the Russians. During the period a number of visits of Russian delegations to the Swedish partners have been organized. The seminars in Russia profited much after such visits.

The project will end in the fall of 2012. Considering the good experience it seems likely there will be a follow up project.

Prof. Lars Rydén

NEW BOOKS AND NEW COURSE

The first two books of the ECOSYSTEM HEALTH AND SUSTAINABLE AGRICULTURE course are now printed and the third is also about to be released.

Over 100 scientists and experts from the Baltic Sea region have contributed to these teaching materials.



Editor: Christine Jakobsson



Sustainable Agriculture
Ed. Christine Jakobsson
ISBN 978-91-86189-10-5
505 Pages



Editors: Leif Norrgren and Jeffrey M. Levensood



Ecology and Animal Health
Eds. Leif Norrgren and Jeff Levensood
ISBN 978-91-86189-12-9
382 Pages



Editor: Ingrid Karlsson and Lars Rydén



Rural Development and Land Use
Eds. Lars Rydén and Ingrid Karlsson
ISBN 978-91-86189-11-2
325 Pages

Financial Report

The total income during year 2011 amounted to 7,3 MSEK. This sum includes government grants, Uppsala University grants and an accumulated project funding in the granted projects. However, the operational result for the year 2011 was still negative (0,4 MSEK), which needs attention.

Revenues and Costs

The main source of income consists of government grants from the Ministry of Education on 2,254,000 SEK and from Uppsala University of 984,996 SEK, representing almost half of the total income. In 2011 BUP received an additional funding of 700,000 SEK from Uppsala University for the BUP Rectors' and Rectors' pre-conferences. From 2011 the SAIL course is given as an ordinary course at Uppsala University with funding included in the Government/Uppsala University grants.

The rest of the financing of the BUP comes from project funding. Several former projects were finalized and only few new were granted. Some EU financing was received from the Baltic Sea Region Programme for the Ecoregion project. The Latvian project on production of educational materials for the university level financed by the Norwegian financial mechanism was finalized in spring.

Increased basic funding is needed in order to cover the overhead for externally co-financed projects. Such increase was part of Uppsala University's negotiations with the Ministry of Education.

Network Activities

The costs for activities of the BUP Centres, the Board, student activities, and teachers' conferences, increased compared to previous years. Funding relied mainly on the projects financed by SIVisby Programme, with Sida's Baltic Sea Unit and Åbo Akademi University as managed by the Finnish centre as additional sources. Hamburg University of Applied Sciences financed the research conference and the summer course on Sustainability for the network. The universities, which host centres, all contributed to covering costs for the centres; the value of this is estimated to 1 MSEK. Likewise, the hosts of the students and teachers conferences contributed in both financing and organisation.

Baltic University Programme Courses

The costs for running courses are covered by each university. The value of this activity is difficult to estimate, considering the very different conditions of the universities in the network. The most reasonable estimate seems to be that costs outside the BUP organisation itself are equal to the costs inside the organisation. Then course costs for close to 10,000 students would be some 6 MSEK.

OPERATIONAL REVENUES		
	2010	2011
Government Grants	3,239,000	4,511,177
Fees	702,601	582,538
Compensation from authorities/financiers including transferables	3,622,776	1,958,645
Other compensations	40,937	32,700
TOTAL REVENUES	7,605,314	7,375,945
COSTS		
	2010	2011
Salaries	2,710,946	2,317,741
Travel and representation	711,433	558,327
Premises	168,819	47,788
Other operational costs, goods	112,475	56,553
Other operational costs, services	1,026,498	1,287,028
Depreciation	1,246	-
Redistribution common costs (Overhead costs)	1,816,448	1,599,467
TOTAL COSTS	6,547,975	5,866,904
RESULT	1,057,339	1,509,041

The result for 2010 includes accumulated financing of SEK 2,334,314 to be used for projects in the forthcoming years. The result for 2011 regarding compensation from authorities include transferables SEK 1,667,645.

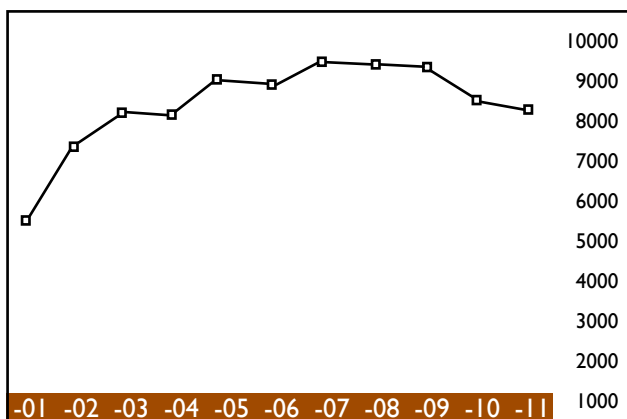
Course Statistics

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

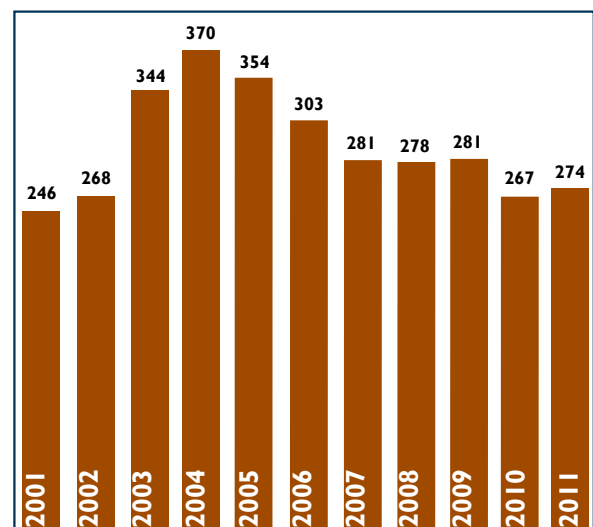
BSE - Baltic Sea Environment/Environmental Science
 POB - Peoples of the Baltic/Regional Development
 SBR - A Sustainable Baltic region
 SWM - Sustainable Water Management
 SCD - Sustainable Community Development
 EE - Environmental English
 EHSA - Ecosystem Health and Sustainable Agriculture
 EM - Environmental Management
 Others - number of students using the BUP material

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	5	7	295	26	0	0	24	0	0	0	0	245
Estonia	5	7	15	646	20	38	28	0	0	0	0	0	560
Latvia	6	10	20	859	140	0	72	10	0	0	0	0	637
Lithuania	14	24	18	418	145	45	186	0	0	0	20	0	22
NW Russia	11	26	29	501	152	83	123	41	20	26	56		0
Kaliningrad	3	5	15	338	60	18	100	0	0	0	0	0	160
Belarus	28	60	64	2,228	715	84	1,208	97	17	65	42		0
Ukraine	8	25	29	335	0	61	94	0	22	130	28	0	0
Slovak Rep.	3	4	4	195	6	0	26	3	0	0	0		160
Czech Rep.	1	9	12	505	0	0	0	0	0	0	99	0	406
Poland	62	69	52	1,561	233	158	731	0	89	33	53	102	162
Germany	12	11	2	238	58	16	18	0	22	52	29	0	43
Norway	1	1	0	0	0	0	0	0	0	0	0	0	0
Denmark	1	2	1	4	0	0	4	0	0	0	0	0	0
Sweden	4	5	6	165	0	10	0	8	95	0	40		12
TOTAL	161	263	274	8,288	1,555	513	2,590	183	265	306	367	102	2,407



Total amount of students 2001-2011.



Total number of BUP study groups from all courses.

The BUP Network





The Baltic University Programme is a network of teachers, students and researchers at more than 200 universities and other institutions of higher learning in the Baltic Sea region. The Programme is coordinated by a secretariat at Uppsala University, Sweden.

The Programme works mainly through producing and offering courses for studies of the Baltic Sea region, its environment, political change, and sustainable development. All courses have an element of regional studies and are interdisciplinary. Cooperation with other actors in society in applied projects is an important part of studying and developing sustainability strategies, and promoting competence development at large.

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