



# The Baltic University Programme

# NEWSLETTER

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Issue # 33

## New BUP Activities

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This year Baltic University Programme introduces three new activities, the *SAIL for teachers* in the spring and in the autumn a *Conference for PhD students* and a competition *Thesis of the year*.

After 15 years of SAIL for students it is now time for our teachers to try this unique learning environment. During one week in May a group of teachers will sail from Gdynia and explore different ways of learning about sustainability. As the students before, also our teachers will enjoy the tour as part of the crew on board, sharing routine tasks such as navigation, kitchen and cleaning. We will make a stop in the World Heritage city of Visby on the geologically and ecologically unique island of Gotland, situated in the very middle of the Baltic Sea. We will share one day with teachers and researchers at University of Gotland, and as University of Gotland is merged with Uppsala university from August 2013, we are looking forward to meet our new colleagues.

BUP has at several meetings agreed to have *campus greening* as the theme of the year. "Live as you preach" is the motto we like to highlight in our daily routines, planning new premises, the surroundings, students lodging, etc. Much of this needs to be done in cooperation with the students, and with the surrounding cities. Accordingly, campus greening will be on the programme for the next students conference which has the title *Governance for Sustainable Development -- new challenges for countries, cities, universities, and students. It is organized in Rogów, Poland, April 11-14, 2013.*



Permaculture in the joint CEMUS / BUP garden at Villavägen 16, Uppsala.

Please notice that a new course material on sustainability has been launched and it is available for our students and teachers. It has been produced for three levels, basic, intermediate and advanced. Prof Lars Rydén, former BUP director, together with many researchers from our network, has put much effort into making comprehensive and interesting. This material is one of the ways in which the most popular BUP course, *A Sustainable Baltic Region*, is updated. New materials for the course *Peoples of the Baltic and Regional development* is under production, and will be ready this spring.

Editor of this issue:

[Christian Andersson](#)

Contributions, ideas, suggestions and even criticisms are welcome! Please contact the editor.

Paula Lindroos  
Director



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## Upcoming Events

### March

### April

- 10–14 BUP Students' Spring Conference, Rogów, Poland.  
Theme: *Governance for Sustainable Development -- new challenges for countries, cities, universities, and students.*
- 22 Maritime Spatial Planning, final meeting, Malmö, Sweden.
- 23 Web based educational material for SD – news from BUP. Uppsala, Sweden
- 25 BUP Denmark and the surroundings, Roskilde, Denmark

### May

- 17 BUP Board Meeting, Uppsala, Sweden.
- 17–24 SAIL Teachers Training, on board STS Fryderyk Chopin. Gdynia, Poland to Visby, Sweden and back.

### June

- 17–19 BUP Centre Directors Meeting, Nagawki, Poland.

### July

### August

- 10–24 SAIL course on board STS Fryderyk Chopin. Szczecin, Poland to Bergen, Norway.

### September

- 17–21 Summer Course: Sustainability and Waste Management, Hamburg, Germany

Note: The dates for the events may change.

For further and latest information on the upcoming events please see the [BUP Calendar](#) and [List of Events](#).

Programmes, presentations and other materials from earlier BUP events are possible to download from the [Presentations](#) section of the web site.



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## BUP Cooperation with Universities in Uzbekistan

By Linas Kliučininkas, Kaunas University of Technology and Lars Rydén, Baltic University Programme, Uppsala University.

The Republic of Uzbekistan and other Central Asian countries face large problems of water scarcity, especially in summer season. The large scale of water resource mismanagement and poor restoration have effect on social, economic and environmental situation of the countries.

The environmental education in the universities of Uzbekistan requires that students acquire broad understanding of environmental problems, receive up-to date knowledge and skills in water resource management and that professionals can address changes towards more sustainable development of the country.

To meet the needs of universities in Uzbekistan Prof. Lars Ryden has initiated TEMPUS project consortium, which incorporates 8 universities in Uzbekistan and 6 project partners in EU countries.

The main objective of the project is to introduce a Master level study program in environmental science and sustainable development with focus on water management in eight Uzbekistan universities. **The curriculum of Master Programme** consists of four units (modules) each one with special focus:

**Environmental Science** unit will cover the basic situation of the environment in Uzbekistan; it will include the basic tools in Environmental Science, such as biogeochemical flows, environmental impacts and remediation approaches and methods.

**Sustainable Development** unit will include the basic methods used in Sustainability Science, in particular introduce systems thinking and systems analysis, resource flows and resource management and a series of practical tools for good resource management, such as recycling, energy efficiency, etc.

**Water Management** unit will focus on the water situation in Uzbekistan and introduce methods for river basin management, water supply and water scarcity issues, wastewater techniques, and international water issues, such as water conflict resolution and water diplomacy.

**Master thesis work** is the last of the four modules and will be conducted by the students to get a hands-on experience in solving environmental and water problems in the Uzbek society. This unit will also include education to foster skills in written and oral presentation and communication.



The Aral Sea in 1989 (left) and in 2008. Photo: NASA.



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The four units will include core courses, to be used by all universities, as well as locally designated courses which correspond to the local needs and problems. This will allow the Master Programme to benefit from local specific profile of the university and to take care of the new study material produced within the project.

The specific objectives of the project are:

- to establish study centers at the partner universities in Uzbekistan; two of these more specialized;
- to improve the capacity to train master students with expertise to address the severe environmental and water management problems of the country;
- to support the introduction and use in Uzbekistan of modern education methods, study materials, and e-learning tools;
- to encourage international cooperation at the partner universities;
- to strengthen capacities to provide guidance to authorities and the Uzbekistan society at large;
- to ensure the visibility and promotion of the Master Programme through web pages, printed material and cooperation with society;
- to ensure continuity of the Master Programme and long-term support of the project outcomes at partner universities beyond Tempus funding.

## **UZWATER Project partners**

Samarkand State Architectural and Civil Engineering Institute, Uzbekistan

National University of Uzbekistan, Uzbekistan

Samarkand State University, Uzbekistan

Samarkand Agricultural Institute, Uzbekistan

Bukhara State University, Uzbekistan

Tashkent Technical University, Uzbekistan

Karakalpak State University, Uzbekistan

Urgench State University, Uzbekistan

Royal Institute of Technology, Sweden

Swedish Aral Sea Society, Sweden

Uppsala University, Sweden

University of Latvia, Latvia

Warsaw University of Life Sciences, Poland

Kaunas University of Technology, Lithuania (project coordinator).



Project kick-off meeting participants



Gintare Vilbikiene and Linas Kliučininkas hosted the project kick-off meeting in Kaunas



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## The "Baltic University" Program at the Kaliningrad State Technical University

By Yulia Ruigite  
Kaliningrad State Technical University

The "Baltic University" international program at the Kaliningrad State Technical University started its successful implementation in 1996. The introduction of the "Baltic University", concerning the study of the environment in various aspects, is carried out in several ways:

1. Conducting educational courses program. Our university is the only one in the Kaliningrad region, which provides the learning of these courses in English. The first educational courses were «Baltic Sea Environment» and «A Sustainable Baltic Region» for undergraduate students of bachelor degree of all specialties. Subsequently, this direction has been expanded by the introduction of the course «Sustainable Water Management in the Baltic Sea Basin».

2. The growing interest to the environmental topics, the implementation of various environmental programs in the Kaliningrad region helps to attract students of different specialties (including from other universities of Kaliningrad) to participate in this program. Each year, about 30 students participated in the program in English and 200 - in Russian language in the educational process.

3. Participation of students and teachers at conferences and seminars. More than 50 undergraduate and graduate students of our university took part in various activities starting from student conferences and ending SAIL course.

4. Participation in international projects. Students and teachers participated in a number of international programs, such as the Russian-Norwegian program "Cleaner Production".

5. The topics introduction of the "Baltic University" in the educational process of the university in areas of "Water Bioresources and Aquaculture" and "Ecology and Nature Management". On the basis of information of course materials in framework of the Baltic University program have been introduced such new subjects as "Sustainable Development" and "International environmental cooperation in the Baltic Sea", "The environment of the Baltic Sea" for students of Bachelor Degree, "Water Management" - for students of Master Degree. Along with this many thematic program components were implemented in conducted educational disciplines of the University, such as the "Environmental Management", "Applied Ecology", "Ecology".



Students that have successfully passed exams of the two BUP courses Baltic Sea Environment and Sustainable Baltic Region.

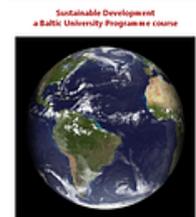


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## Short News

### Sustainable Development Course

The updated course materials for the Sustainable Baltic Region course now called the Sustainable Development course is now online and has got its own address: <http://www.balticuniv.uu.se/sustainabledevelopmentcourse>



### SAIL 2013

This year we will have two SAIL courses, both on board the Polish sailing vessel STS Fryderyk Chopin. The first one is a Teachers Training course 17–24 May. The route is from Gdynia in Poland to Visby on the island of Gotland, Sweden. The other course is the 16th SAIL course for students. It will take place from the 10–24 August. The cruise starts in Szczecin, Poland and ends in Bergen, Norway. For further information on both courses please see the [BUP web site](#).



### Student Spring Conference 2013

The theme for this year's BUP Students Spring Conference is: *Governance for Sustainable Development -- new challenges for countries, cities, universities, and students.*

One of the lecturers will be Prof. Bernd Delakowitz from the University of Applied Sciences, Zittau/Görlitz.



Professor Bernd Delakowitz.

### Biogas report in Russian

The report "*Biogas Production in Belarus and Sweden*" is now available in both an [English](#) and a [Russian](#) language version. The report has as of writing been downloaded more than 2,000 times.



### Maritime Spatial Planning

A final meeting for the Maritime Spatial Planning project will be held in Malmö, Sweden on the 22nd April. An outline of a course for [MSP professionals](#) has been produced by the project. A new member in the project is the [World Maritime University](#) in Malmö who will act as hosts for the final meeting.





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## **Sustainability and Waste Management**

A Summer Course on *Sustainability and Waste Management* is organized by the German offices of the Baltic University Programme in Hamburg and Zittau. The course will take place on 17-21 September 2013 in Hamburg, Germany. Students from all subjects registered at universities of the Baltic Sea Region and beyond are welcome to attend the summer course.



The course is being organised in the context of the Interreg IVB Baltic Sea Project "RECO Baltic 21 Tech". Details on the programme of the Summer Course as well as the registration can be seen at: <http://www.recobaltic21.net/en.html>

Please note that registration is necessary and that the number of participants is limited.

*The deadline for registrations is the 30th May 2013.*

## **Challenges of Sustainable Development**

Sendzimir Foundation invites students and professionals interested in sustainable development to apply for the 16th Summer Academy *Challenges of Sustainable Development* in Poland 2013.



For further information please see the [Sendzimir Foundation](#) web site.



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## Nordic HEI Networks on ESD and Campus Greening

By Sinikka Suomalainen

BUP activities in the Nordic countries will be enhanced in the project "*Development of the Nordic Higher Education Networks for Sustainable Development and Green Campus*". Two BUP events will be arranged in Spring 2013:

- BUP workshop: *Web Based Educational Material for SD— News From BUP*  
23 April 2013, Uppsala, Sweden
- BUP seminar & workshop: *BUP Denmark and the Surroundings*  
25 April 2013, Roskilde University, Denmark



Flags of the Nordic countries.

The aim of the project is enhancing a stronger platform for Nordic Cooperation regarding ESD and strengthen the role of Sustainability in Policy making and Campus Greening. A Nordic Sustainable Campus Network (NSCN) has been launched 2012.

The project (2012-2013) is coordinated by Åbo Akademi University and by Aalto University in Finland and financed by the Nordic Council of Ministers.

For further information please see the [Finnish BUP web site](#).

## Reminder

By Ea Maria Blomqvist  
Center director for BUP Finland

Please note that proceedings from the last BUP teachers training seminar on "*The Future of Education for Sustainable Development and the Social Pillar of Sustainability - Security and Stability in the Baltic Sea Region*" held at 7 - 10 November 2012 in Kazimierz Dolny, Poland is available for [download](#).

You are also welcome to visit the [Finnish BUP-website](#).

We are continuously planning forthcoming teachers training seminars, and look forward to Your suggestions on suitable topics and interesting keynote speakers!



Keynote speaker Arjen Wals.  
Photo: Ea Blomqvist.