



ECOSYSTEM HEALTH & SUSTAINABLE AGRICULTURE

A new educational course package

- 1. The overall management and coordination of the course development and production of course materials will be provided by the BUP secretariat.*
- 2. Scientists from both regions, the BSR and the GLR, will be involved in the production of instructional materials.*
- 3. During the time period when the educational materials are being produced, several seminars on the course material will be held in the Kaliningrad and Leningrad oblasts and in Estonia, Latvia, Lithuania and Poland.*
- 4. At the completion of the preliminary version of the course material, a conference will be held to review, edit, and/or modify the course material.*
- 5. The material will be printed in English and Russian and distributed to the users.*
- 6. The start of the courses will be preceded by a teacher's conference to make the teachers familiar with the course material.*

The development cycle will take approximately 3 years.



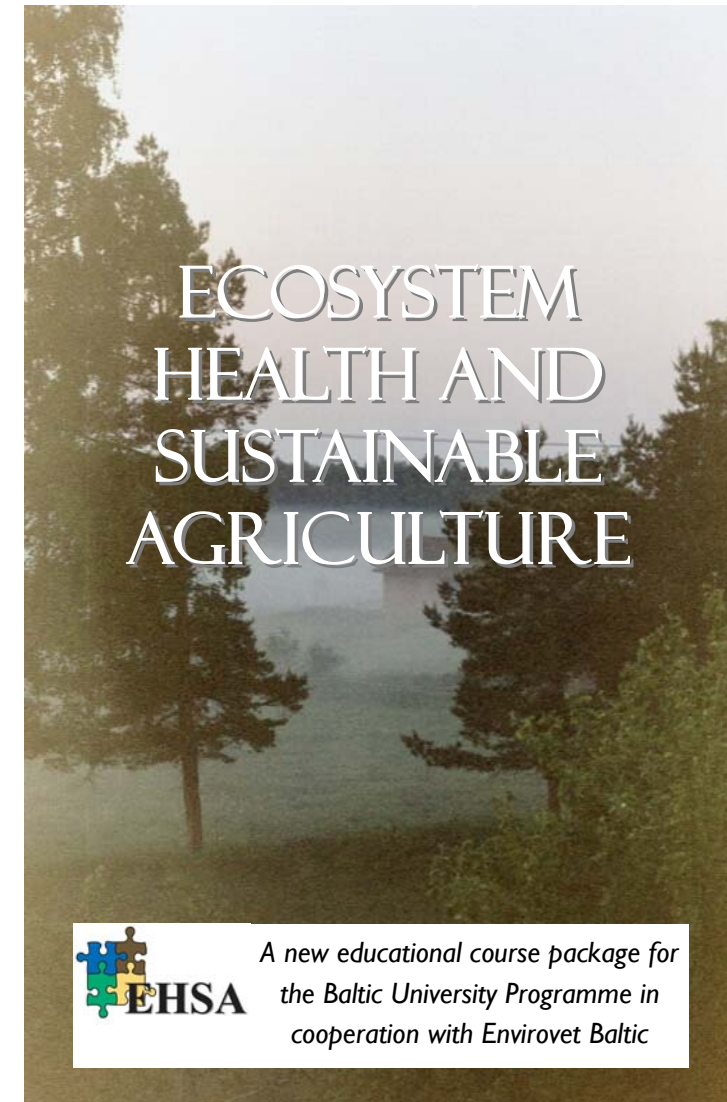
THE BALTIC UNIVERSITY PROGRAMME
(BUP)
CENTRE FOR SUSTAINABLE
DEVELOPMENT UPPSALA

BUP is a network of approximately 200 universities in 14 countries in the drainage basin of the Baltic Sea. The main focus is on sustainable development.

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ECOSYSTEM HEALTH AND SUSTAINABLE AGRICULTURE



A new educational course package for the Baltic University Programme in cooperation with Envirovet Baltic



A BALTIC 21 LIGHTHOUSE PROJECT

THE BALTIC UNIVERSITY PROGRAMME
(BUP)
CENTRE FOR SUSTAINABLE DEVELOPMENT
UPPSALA
UPPSALA UNIVERSITY



Envirovet Baltic

ECOSYSTEM HEALTH & SUSTAINABLE AGRICULTURE

Goal

The goal is to develop a new educational package and transfer knowledge on sustainable agriculture, land use, rural development, ecosystem health and management to teachers, students and professionals in the Baltic Sea Region (BSR) and in the Great Lakes Region (GLR in USA & Canada).

The Baltic Sea is affected by many different environmental problems from different sources. Discharge of nutrients and other pollution from agriculture and waste-water treatment plants, as well as discharge from industries, and waste facilities leads to eutrophication and other forms of pollution.



BUP students on the annual tall ship cruise of the Baltic Sea.

It is important to increase the knowledge of and improve the management of land and land use to prevent pollution from agriculture and related activities in rural areas from reaching the Baltic Sea. It is also of great importance to use the whole ecosystem health concept to understand and prevent problems for the future.



BUP and Envirovet Baltic will develop a comprehensive course, for undergraduate and graduate university education in Ecosystem Health and Sustainable Agriculture, to be offered to higher learning institutions in the network.



This cooperation is unique, as it represents a cooperation between agronomists, veterinarians, nature geographers, biologists, chemists, animal scientists, wildlife biologists, public health professionals, economists, business and policy experts etc. It also represents a new concept on sustainable agriculture and its part in the rural ecosystem. In this course package not only will sustainable agriculture from the different aspects represented by the above mentioned professions be covered, there will also be substantial knowledge on such subjects as land use and rural development, climate change, ecosystem health and the interactions between the wild and domestic animal populations, as well as public health components and poverty alleviation.



The course package will consist of 4 modules. The first module will consist of more basic level information and will be obligatory before studying the others three. It can be used for students studying at most faculties and could also be attractive for administrators from ministries, government offices or municipalities, advisors and managers. The other 3

modules will be interesting for students studying agronomy, veterinary science, public health, nature geography, biology, wildlife management or similar subjects. The titles of the modules will be:

1. **Ecosystem Health**
2. **Rural Development and Land Use**
3. **Sustainable Agriculture**
4. **Ecology and Animal Health**

The course package will include two books. The book *Ecosystem Health* will contain the first module and show the general picture of Ecosystem Health and Sustainable Agriculture. The second book will contain the other three modules. Some educational films and DVDs will be produced. This educational material will be available to all universities in the Baltic Sea Region as well as in the Great Lakes Region.

This project is so far financed by Sida/Urban and the Baltic Sea Unit of Sida and the Swedish Institute. It is also a part of the ongoing Baltic Sea Regional Project (HELCOM, GEF, ICES, SLU, WWF, NEFCO, SIDA).

For further information see
www.balticuniv.uu.se/EHSA

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