

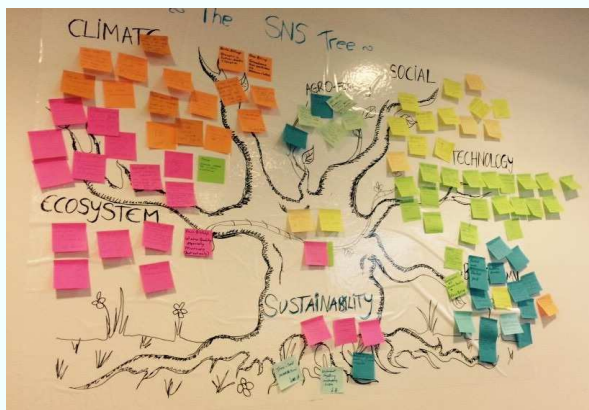
THE CONCEPT OF INTERDISCIPLINARY EDUCATION IN THE FIELD OF BIOECONOMY



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- ❑ The interdisciplinary nature of modern science is necessary to correct the consequences of the earlier narrow specialization of scientific disciplines, as well as for the close interaction between practical and theoretical knowledge.
- ❑ Study interdisciplinary programme, developed on the basis of particular concept will affect professional mentality formation, which will create developing of bioeconomics.
- ❑ Successful solutions to the problems that hinder the transition to the principles of a green economy in Latvia require professionals with special training in the field of bioeconomy.
- ❑ Training provides the ability to effectively organize management and highlight priorities. Exactly such professionals today are sorely lacking not only Latvia, but also other countries.

The tasks of universities to solve introduction of green economy technologies

- ❑ On the basis of universities, appropriate educational programs and specialized courses for the formation of professional competencies for a green economy can be purposefully implemented;
- ❑ Environmental education can be integrated into curricula for various disciplines;
- ❑ Environmental innovation or green technology can be developed;
- ❑ On the basis of universities, not only development, but also approbation may take place in order to further replicate the technologies of the green economy - infrastructure, social, management and other solutions for the green economy.



The introduction of the green economy technologies in universities has the benefits for the universities themselves:

- ❑ "green" technologies can be used as an element of educational programs and scientific research;
- ❑ the formation of appropriate values for students and staff will contribute to the development of university culture;
- ❑ based on scientific and technical research in the field of "green" technologies, small innovative enterprises can be created ("start-ups");
- ❑ "green" solutions can help improve the image of the university, budget savings, the development of innovative scientific and educational projects.

The concept of interdisciplinary bioeconomic education

Study courses (essence)	Course content
Natural Resource Management (production and economic functions)	Resource management. Management of environmental change. Management of reproduction of natural resources. Environmental Management.
Green Production Management (production and technological functions)	Waste management. Green product management. Management of environmental aspects of occupational safety. Managing technological innovations in the biosphere.
Management of social and natural processes (social functions)	Education and education, raising the level of "green" culture. Management of environmental safety of the population living environment. City development management.
Management of financial and economic aspects of "green" business (financial and economic functions)	Cost management for meeting green production requirements. Evaluation of environmental performance. Management of environmental and pollution costs the environment. Economic incentives for environmental performance requirements. Financial support for green activities.