



Universität für Bodenkultur
University of Natural Resources
and Life Sciences, Vienna

The three pillars study programmes at BOKU useful to implement the idea of sustainable Bioeconomy in curricula

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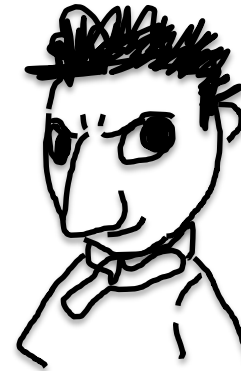
University of Natural Resources and Life Sciences, Austria



Bioeconomy needs



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people who

- carefully, responsibly and **sustainable use renewable resources**
- are aware of the necessity to **think critical** and act in an **interdisciplinary and transdisziplinary** working environment.
- are ready to take over the **responsibility for the natural und cultural environment**
- are aware of the necessity to merge the guiding principles of **sustainability and entrepreneurship**

Bioeconomy needs

Graduates who are innovative
with holistic systems thinking skills and deep knowledge in



Natural Sciences

Technical Sciences

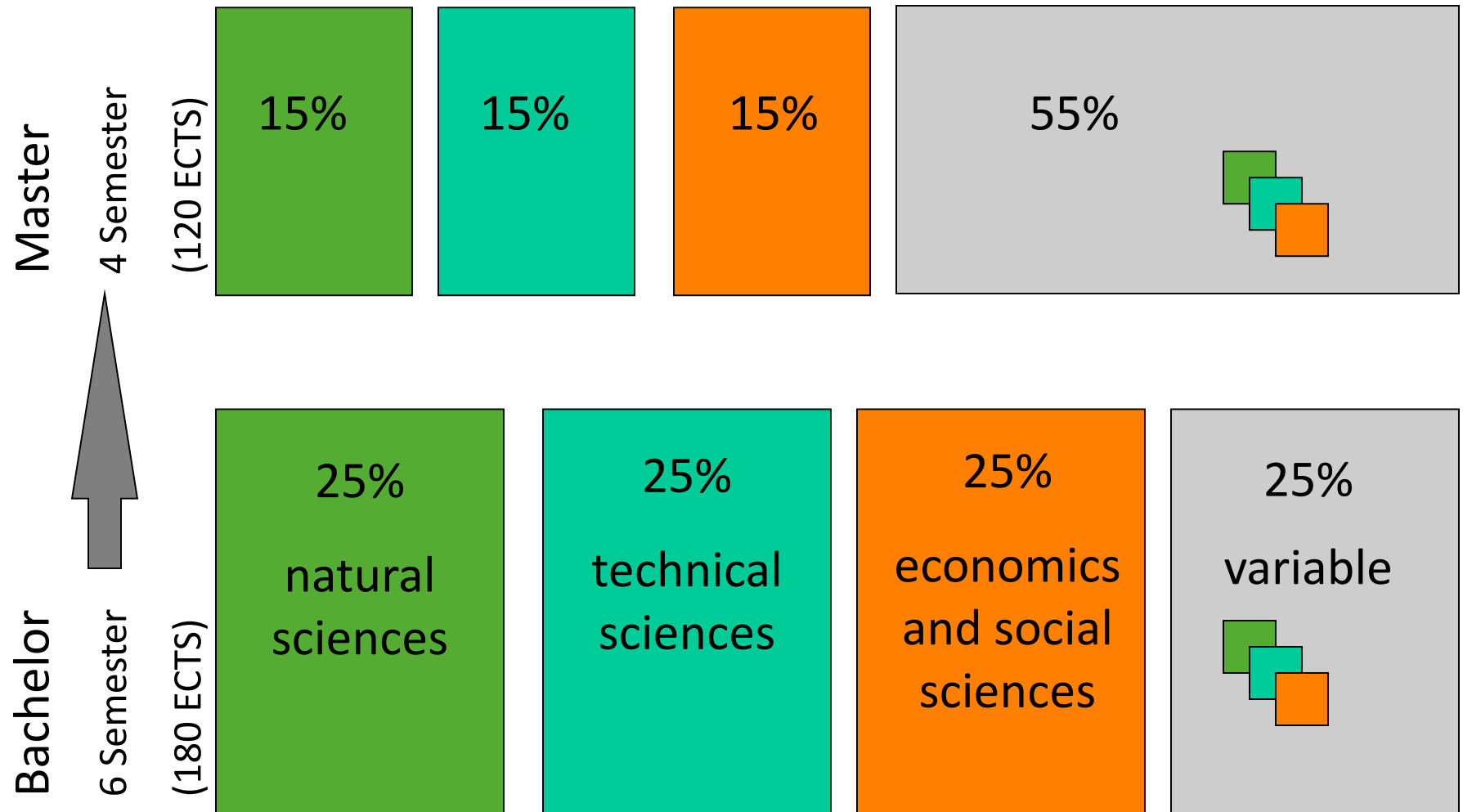
Economics and Social Sciences

**BOKU Study
Programs**

providing knowledge for an
ecologically and economically sustainable use of natural resources

Curricula at BOKU: three pillar system

since 2004/2005 Bachelor- und Masterprograms



BOKU-departments involved in several different study programmes



guarantee for dialog between disziplines,
students get to know the different languages

e.g. Food Science and Biotechnology



e.g. Wood and Fibre Technology

Résumé:



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- A successful implementation of Bioeconomy needs graduates who are aware of the **necessity to think critical and act in an interdisciplinary and transdisziplinary working environment**
- **Responsible and sustainable use of renewable resources** needs a future generation with a consolidated knowledge and deep insight in interactions between plants and animals, living and nonliving matter and natural cycles.
- It is important to make students and thus graduates aware of the necessity to merge the guiding principles of **sustainability and entrepreneurship** leading to a meaningful Bioeconomy.
- The **three pillars studyprograms** at BOKU combine natural sciences, engineering and economics, providing knowledge of an ecologically and economically sustainable use of natural resources.



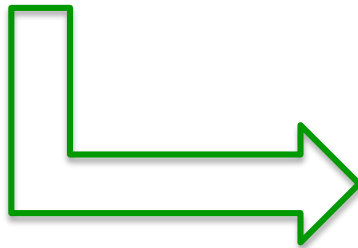
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Thank You for listening !

Sustainable Bioeconomy

"Bioeconomy is the **knowledge-based production and use of organic resources** in order to provide products, procedures and services for all economic sectors in the framework of a **sustainable economic system....**

Among the most important sectors of the bioeconomy are those of **primary production (agriculture, forestry and fisheries), the food and feeding stuff industry, the wood-processing businesses**, the pulp and paper industry, as well as parts of the chemical and **biotechnological industry**, and of **renewable power industry...."**



How to prepare our students for a sustainable Bioeconomy?