



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

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Four key actions taken by BOKU in delivering on the Sustainable Development Goals

www.boku.ac.at

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Mission Statement BOKU

The University of Natural Resources and Life Sciences, Vienna, the *Alma Mater Viridis*, sees itself as an **education and research centre for renewable resources**, which are a necessity for human life.

With its wide range of areas of expertise it is the task of BOKU to contribute significantly to the **protection of life resources for future generations**.

With a connection between **natural sciences, engineering and economics**, BOKU is trying to deepen the knowledge of an **ecologically and economically sustainable use of natural resources in a cultivated landscape**.

Key actions taken by BOKU in delivering on the SDGs

- Implementation of the SDGs at the **strategic level**:
 - **BOKU Development Plan 2018**

- At the **operational level**:
 - Formation of a Working Group on SDGs in Jan. 2017
 - Networking between Departments and Disciplines on SDGs
 - Mapping of activities at BOKU relevant for the SDGs
 - Initiation of networking activities on SDGs among Austrian public universities (within the Alliance of Sustainable Universities in Austria; led by BOKU)



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BOKU DEPARTMENTS	SDGs →	SDG Icons																
		BASIC HUMAN NEEDS			UNIVERSAL VALUES			SUSTAINABLE RESOURCE USE			SOCIAL AND ECONOMIC DEVELOPMENT			EARTH PRECONDITIONS			GOVERNANCE AND PARTNERSHIPS	
BOKU Universität für Bodenkultur Wien, Allgemein	BOKU	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MAP Department für Materialwissenschaften und Prozesstechnik	MAP							7	8	9	10	11						
DBT Department für Biotechnologie	DBT		2	3														
WAU Department für Wasser- Atmosphäre - Umwelt	WAU	1	2					6	7	8				10		12		
DNBT Department für Nanobiotechnologie	DNBT			3														
DCH Department für Chemie	DCH			3				7	8									
DIB Department für Integrative Biologie und Biodiversitätsforschung	DIB							7				9	10			12		
DLWT Department für Lebensmittelwissenschaften und Lebensmitteltechnologie	DLWT		2						8									
RALI Department für Raum, Landschaft und Infrastruktur	RALI			3	5	6		7		9	10	11		12				17
WISO Department für Wirtschafts- und Sozialwissenschaften	WISO		2		5	6		7	8	9	10	11		12			16	17
DNAS Department für Nachhaltige Agrarsysteme	DNAS		2					6	7	8	9	10		11		12		
BAUNAT Department für Bautechnik und Naturgefahren	BAUNAT							7		9	10	11						
WABO Department für Wald- und Bodenwissenschaften	WABO	1	2					6	7					10		12		17
DNWS Department für Nutzpflanzenwissenschaften	DNWS		2					7		9						12		
DABT Department für Agrarbiotechnologie Tulln	DABT		2					6	7					10				
DAGZ Department für Angewandte Genetik und Zellbiologie	DAGZ		2	3												12		
CDR Centre for Development Research	CDR	1	2		5	6			8	9						12		17
ZGW Zentrum für globalen Wandel	ZGW								8					10				17

BOKU SDG Network: Mapping SDGs vs. Departments

KOMPETENZ-FELDER ↓	SDGs →	BASIC HUMAN NEEDS		UNIVERSAL VALUES		SUSTAINABLE RESOURCE USE		SOCIAL AND ECONOMIC DEVELOPMENT			EARTH PRECONDITIONS		GOVERNANCE AND PARTNERSHIPS					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1 BODEN- UND LANDÖKOSYME		1	2			6	7	12			11	13		15				
2 WASSER ATMOSPHERE UMWELT						6	7	12			11	13		15				
3 LEBENSRAUM UND LANDSCHAFT		1		3		5	10	6	7	8	9	10	11	13	15		17	
4 NACHWACHSENDE ROHSTOFFE UND RESSOURCEN- EFFIZIENTE TECHNOLOGIEN							7	12			8	9	10	11	13	15		
5 LEBENSMITTEL ERNÄHRUNG GESUNDHEIT		1	2	3		10		12			11		15					
6 BIOTECHNOLOGIE			2	3			7											
7 NANOWISSEN- SCHAFTEN UND - TECHNOLOGIE				3						8								
8 RESSOURCEN UND GESELLSCHAFT- LICHE DYNAMIK		1				5	10	6	7	12	8	9	10	11		15	16	17



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BOKU SDG Network:

Mapping SDGs vs. Fields of Competences

BOKU University – Themes & Competences



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„Three-Pillar System“: Interlinking Natural Sciences,
Technology & Socio-Economics

Soil and
terrestrial
ecosystems

Water –
Atmosphere -
Environment

Living space and
landscape

Development of
the Living Space

Management
of Natural
Resources

Resources and
societal
dynamics

Renewable raw
materials, resources
oriented technologies

Securing Nutrition
and Health

Nanosciences &
- technology

Food – nutrition -
health

Biotechnology

Key actions taken by BOKU in delivering on the SDGs

- **Workshop on SDGs** on behalf of the **Global Challenges University Alliance (GCUA)**; a global network initiated by SLU):
 - **Life Science Universities and the UN Sustainable Development Goals**
 - April 2018, BOKU, Vienna
 - **Expected Outcome:**
 - **Position paper providing a narrative on the role of Life Sciences universities in dealing with the SDGs**

<https://www.slu.se/en/collaboration/international/global-challenges-university-alliance/workshops/>

Key actions taken by BOKU in delivering on the SDGs

Example from Education:

Seminar „Sustainable land use in developing countries“ (3 ECTS)

by Georg Gratzner, Helga Pülzl, Maria Wurzinger, Axel Mentler

<https://online.boku.ac.at/BOKUonline/wbLv.wbShowLVDetail?pStpSpNr=282629>

The students learned about the SDGs, learned how to conduct and analyse interviews and then went to the Federal Chancellery, three Ministries and one umbrella NGO (representing 34 NGOs). There, the officials responsible for implementation of the SDGs in Austria were interviewed.

A short video was made: <https://www.youtube.com/watch?v=sXS98CqEgtA&vl=en-GB>

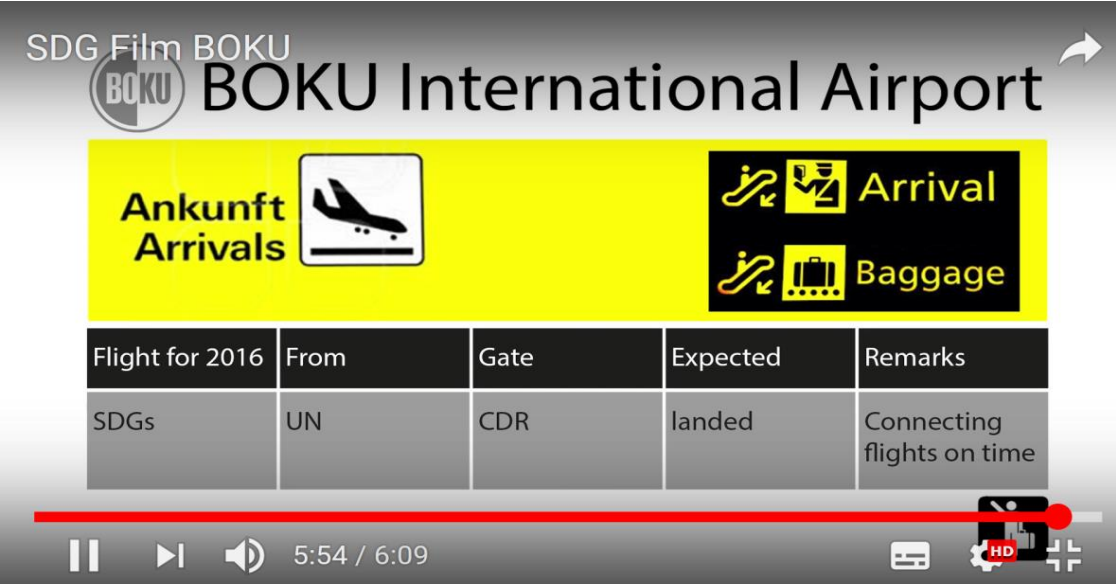
- Through this seminar, the responsible authorities realised that Academia is interested in the topic (is watching them...).
- Students were enthusiastic when they learned about the SDGs but slightly frustrated when they were confronted with the reality of implementation.

Seminar Sustainable land use in developing countries (in Eng.; 3 ECTS)


Learning outcomes:


Participants are able to find and understand relevant literature on the SDGs, they can conduct interviews and analyse the results with respect to the implementation of the SDGs globally and in Austria. They understand the role of international agendas and can evaluate their chances for implementation. They can apply interviews for social research and prepare video documentaries. They can identify gaps in their formulation and hindrances for implementation. They can develop plans for improved implementation.


<https://www.youtube.com/watch?v=sXS98CqEgtA&vl=en-GB>



SDG Film BOKU
BOKU International Airport

Ankunft Arrivals 

Arrival 

Baggage 

Flight for 2016	From	Gate	Expected	Remarks
SDGs	UN	CDR	landed	Connecting flights on time

5:54 / 6:09



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THANKS FOR YOUR ATTENTION!

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