

Prof. Dr. Pierre Ibisch



Centre for Economics and Ecosystem Management



SUSTAINABILITY

at Eberswalde
University for
Sustainable
Development

SEMINAR
Integrating the
Sustainable
Development Goals
into Higher Education
ISCTE-IUL
Universidade de
Lisboa
Lisbon, 21 March
2019

A new start after reunification of Germany



Staff around 1868



- founded in 1830 as Academy of Forestry; 1921 University of Forestry
- 1946 Faculty of Forestry, Humboldt University Berlin
- 1992 refoundation as Eberswalde University of Applied Sciences (Fachhochschule Eberswalde (FH))
- first faculty: Faculty of Forestry (with "Forestry" as the only study programme)
- today: 4 faculties: *Forest & Environment, Landscape Use and Nature Conservation, Sustainable Business, Wood Science and Technology*
- **2010 renaming: Eberswalde University for Sustainable Development**

A new start after reunification of Germany



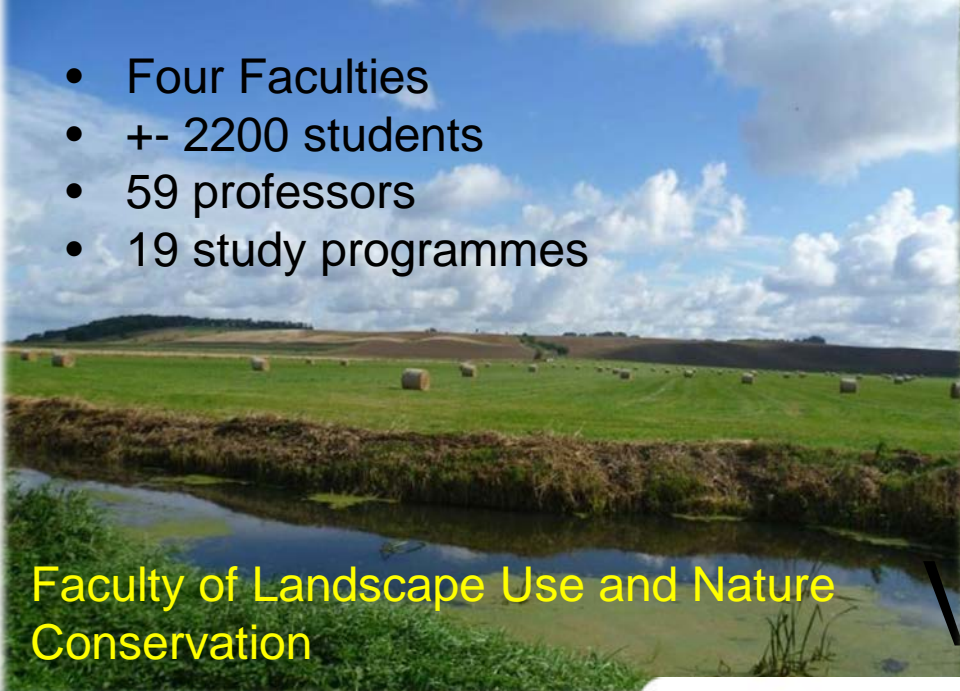
City campus



Forest campus

- *2009: EMAS certified*
- *2013: University sustainability guidelines*
- *2014: Carbon Neutral University*
- *2017: Winner of the European EMAS award*

- Four Faculties
- +- 2200 students
- 59 professors
- 19 study programmes



Faculty of Landscape Use and Nature Conservation



Faculty for Forest and Environment



Faculty of Sustainable Economy



Faculty of Wood Engineering

Bachelor programmes

- Forestry
- International Forest Ecosystem Management
- Landscape Management and Nature Conservation
- Organic Farming and Marketing



- Wood Science and Technology (also as dual program)
- Business Management
- Finance Management
- Regional Management



Master programmes

- Forest Information Technology
- Global Change Management
- Forestry System Transformation
- Management in Organic Agriculture
- Regional Development and Nature Conservation
- Wood Science and Technology



- Sustainable Tourism Management
- Sustainable Business Management
- Municipal Economy
- Strategic Sustainability Management

With nature for people

Introduction to sustainable development

Annual interdisciplinary lecture for Bachelor students across all four faculties since 2009



Meadows/Randers
Die neuen Grenzen des Wachstums

Meadows / Randers / Meadows

Grenzen des Wachstums – das 30-Jahre-Update

Einführung in die Entwicklungspolitik

Ihne, Wilhelm (Hg.)



LIT

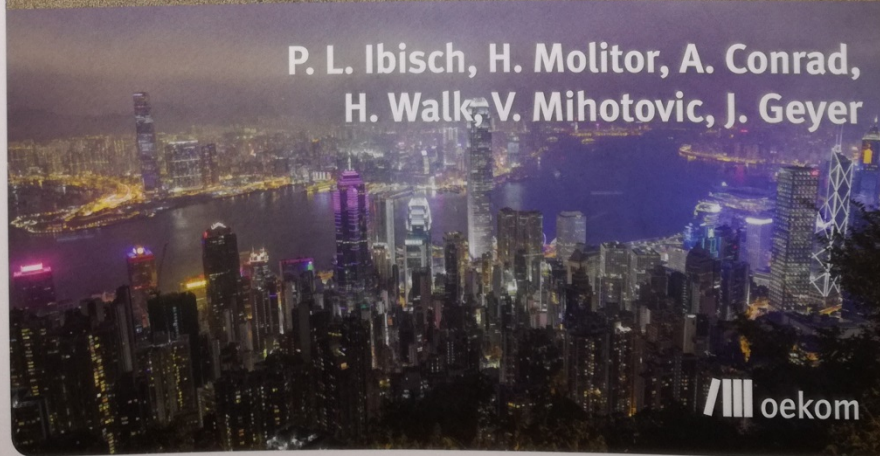
DVA




Der Mensch im globalen Ökosystem



Eine Einführung in die nachhaltige Entwicklung



P. L. Ibisch, H. Molitor, A. Conrad,
H. Walk, V. Mihotovic, J. Geyer

 oekom

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Alten
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Natur

Wertwirtschaft

Ulrich Klinkenberg

Jochen Francke (Hrsg.)

Wasser

Zukunftsszenario zwischen Menschenrecht
und Wirtschaft: Konflikt und Kooperation

17

Fischer - Konfliktwissen

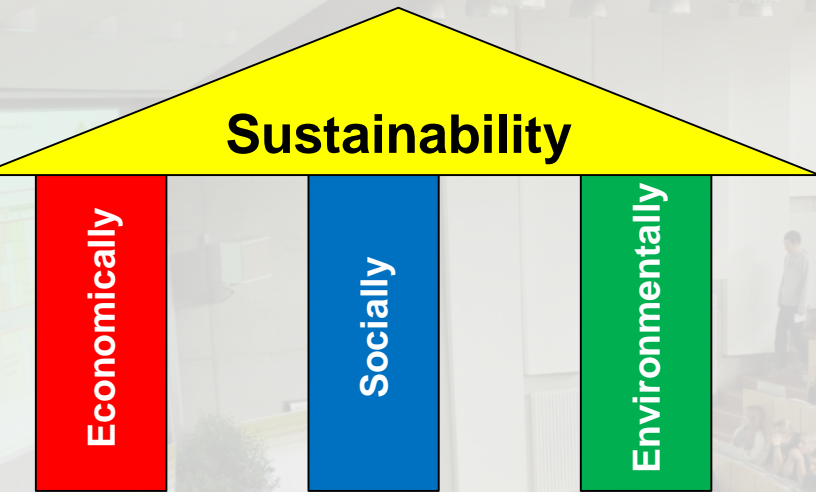
Since 2006

International Master Programme (M.Sc.)

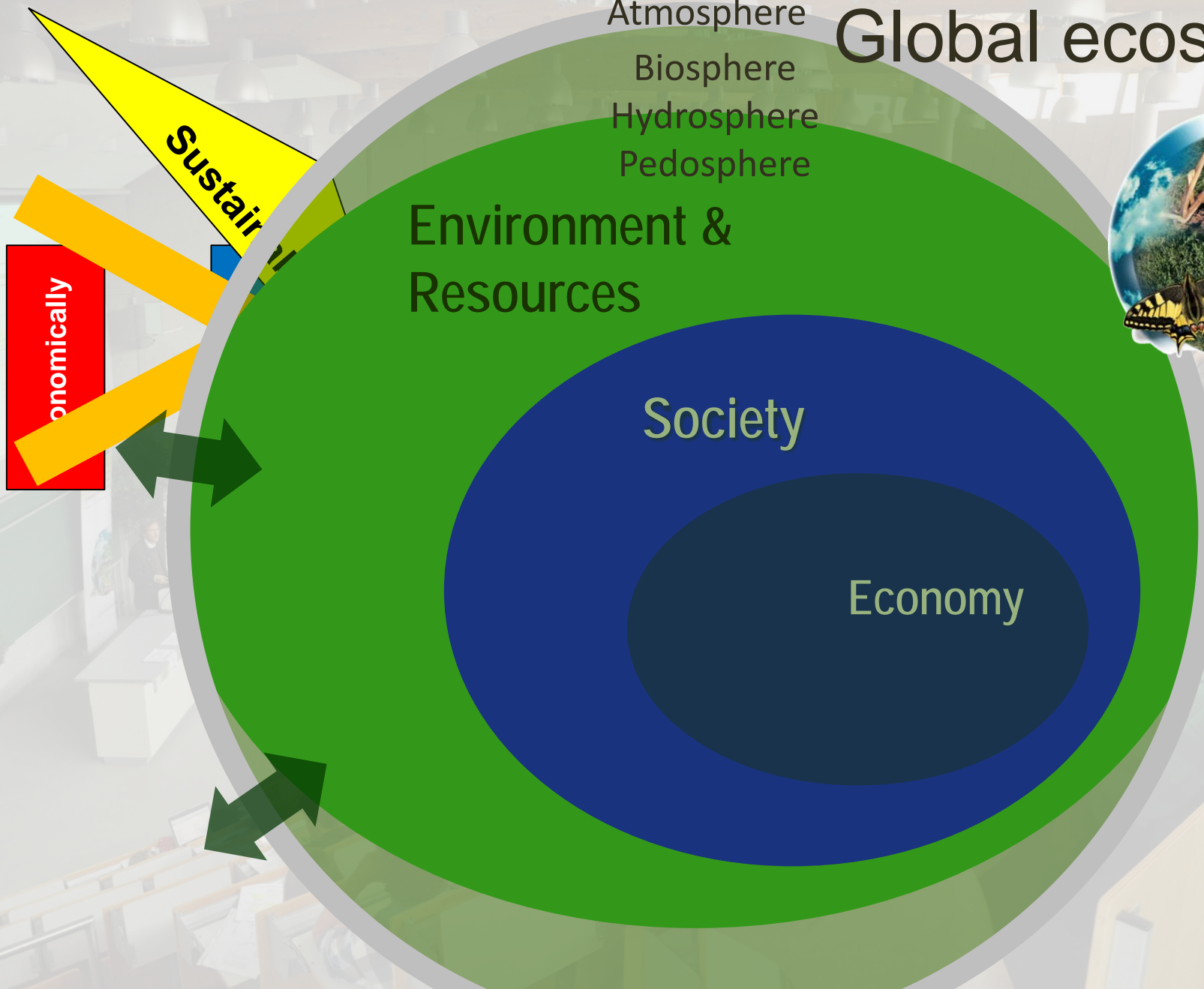
Global Change Management



Sustainability models



Global ecosystem



Global ecosystem

Atmosphere
Biosphere
Hydrosphere
Pedosphere



Anthroposystem

Human wellbeing

Individual Social



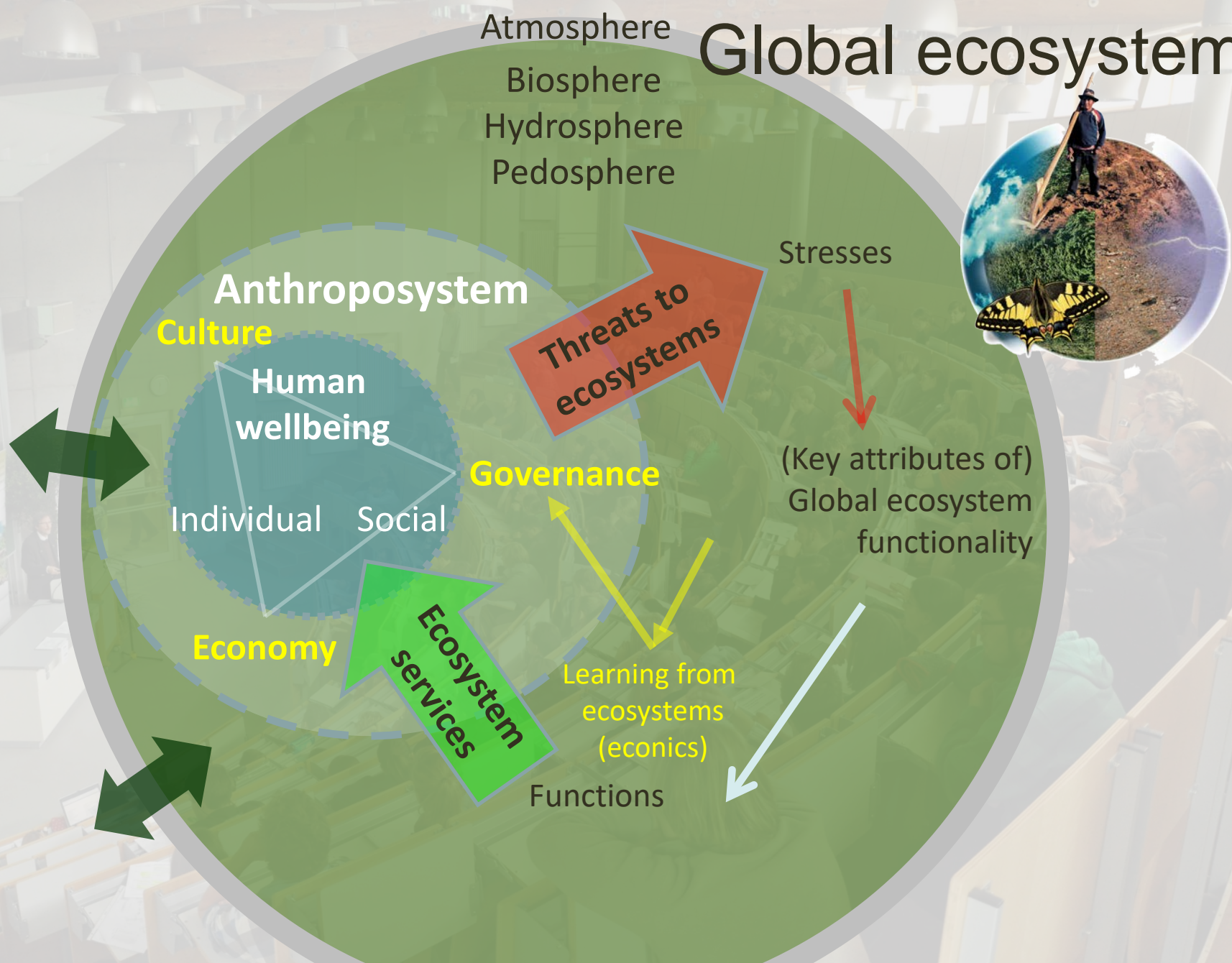
Global ecosystem



Global ecosystem



Global ecosystem



Global ecosystem



Curriculum

1. Semester

1 • Human wellbeing & development as result of ecological and social processes and services

2 • Fundamentals of systems functionality & change

3 • Threats & risks to systems functionality & contributing factors

2. Semester

4 • Ecosystem Diagnostics Analysis

5 • Strategies for change and transformation

6 • Implementation of change management

3. Semester

• Research project

• ...

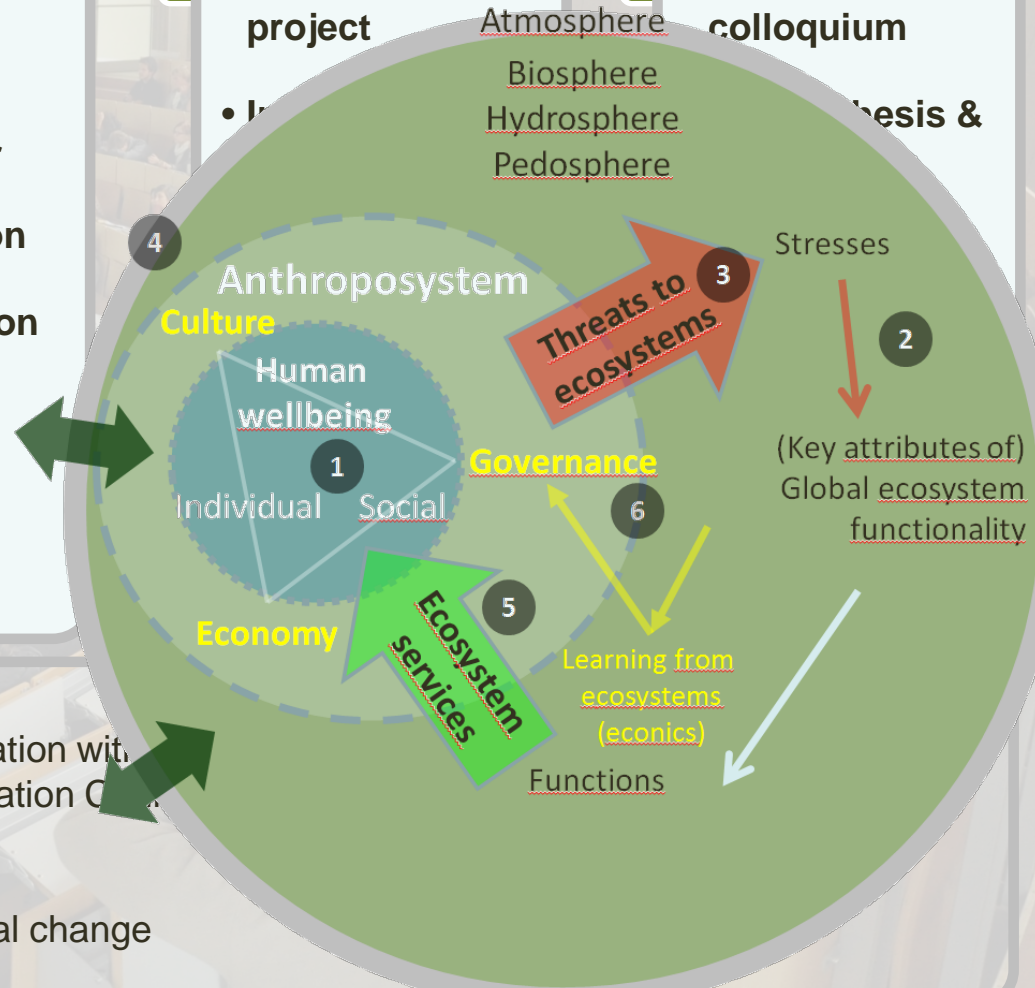
4. Semester

• Master thesis colloquium

• ...

Broad range of elective modules:

- Global Change and Development (in cooperation with ...)
- Natural Resource Management in Transformation C...
- Global Leadership
- Carbon sequestration and accounting
- Ecosystem models and concepts under global change
- ...



Reflecting the global agenda

1 NO POVERTY 	2 NO HUNGER 	3 GOOD HEALTH 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION 
7 RENEWABLE ENERGY 	8 GOOD JOBS AND ECONOMIC GROWTH 	9 INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION 
13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE AND JUSTICE 	17 PARTNERSHIPS FOR THE GOALS 	 THE GLOBAL GOALS For Sustainable Development



People and partners



Teaching



Research



Transfer

Whole-Institutions Approach

Principles of sustainable development of the EUSD



1. *whole school engagement on a topic or practice*
2. *whole school approaches categorised by an ethos/vision and or a framework*

1 We at the university

Promoting sustainable development and organisation within the university (teaching, institutional management, life)

2 Acting in public

Promoting sustainable development in society, from the local to the global scale

3 Together

Participatory learning and sustainability management

EXAMPLE

Environmental management

Environmental controlling
on the basis of core indicators

Online survey
about environmental situation

Indicators

- Energy
- Water
- Waste
- Emissions
- Soil protection/storage
- Work safety

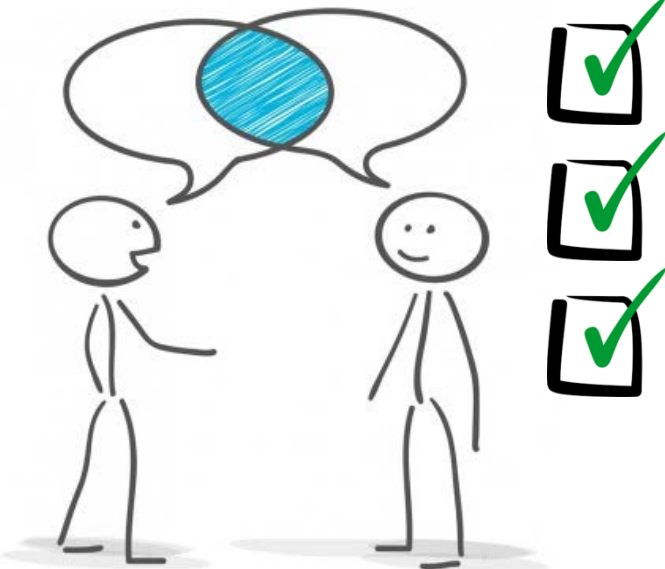
Ecomapping

ENVIRONMENTAL ANALYSIS



ENVIRONMENTAL PLAN

→ Our „To Do List“



EXAMPLE

Introduction of sustainable practices

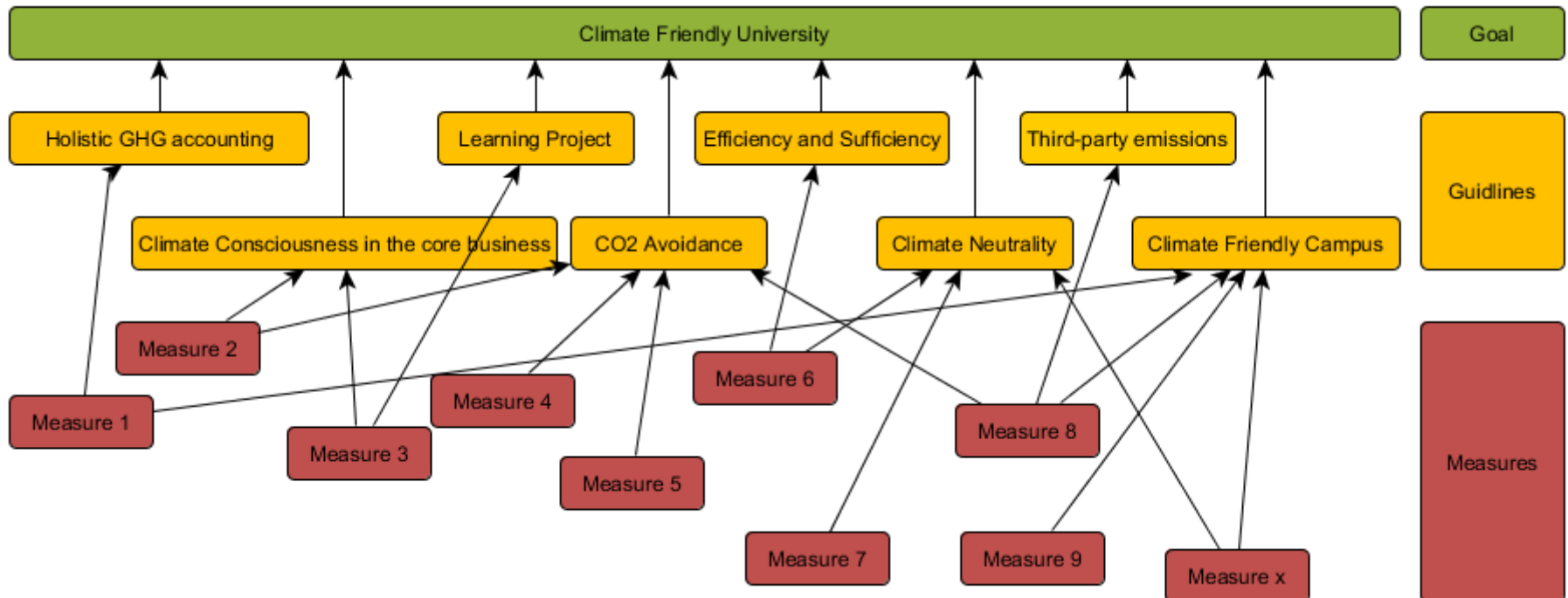
- **Guideline sustainable procurement**
 - Office materials
 - Furniture
 - Batteries
 - Electronic devices
 - Vehicles and machines
 - Cleaning supply
 - ...
- **Checklist sustainable event management**
 - Event planning
 - Accomodation of participants and cultural program
 - Catering
 - Social aspects
 - ...



EXAMPLE

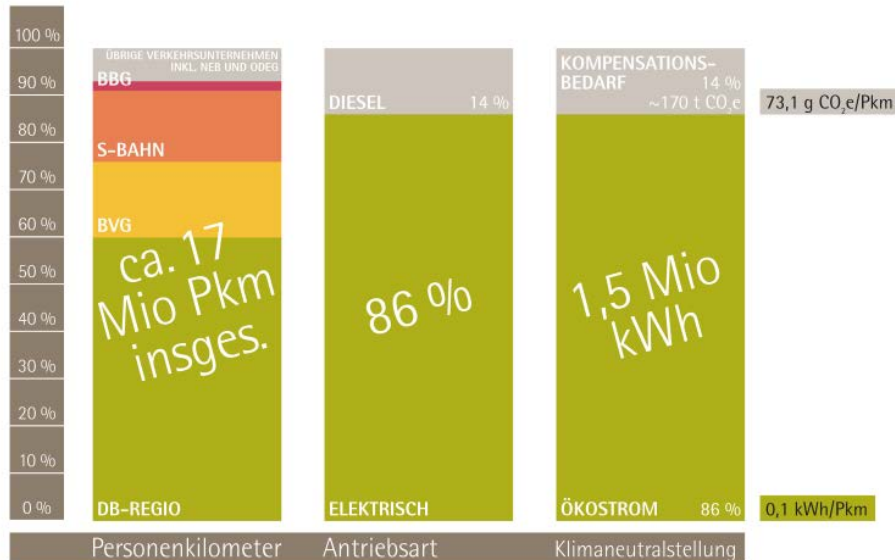
Climate Protection Concept: Catalogue of measures

- Dynamic document
- New ideas welcome at any time.
- Proposals for measures will be rated by a rating matrix (do they help us to fulfill our guidelines?)
- 45 measures in 10 activity fields (mobility, buildings, teaching, community, ...)



Indirect mobility emissions from business travels and commuting

- All business travels are compensated
- Students use public transportation (transport companies buy additional renewable electricity: students travel ‘climate-neutrally’)



HNEE/Wessollek

Offsetting Projects

- Compensation by implementing local and international climate protection projects:
 - Restoration of mires
 - Establishment of an agroforestry system
 - Clay stove project to protect the Kakamega Rain Forest in Kenia (*Ivakale association – former students of Global Change Management*)



Kakamega National Park & Forest Reserve



SUSTAINABILITY



Teaching



HNE
Eberswalde

Eberswalde University for Sustainable Development

University of Applied Sciences



Research



Transfer