

Universität Rostock  Traditio et Innovatio

IKIAM    UDG  cujae    Universität Rostock 

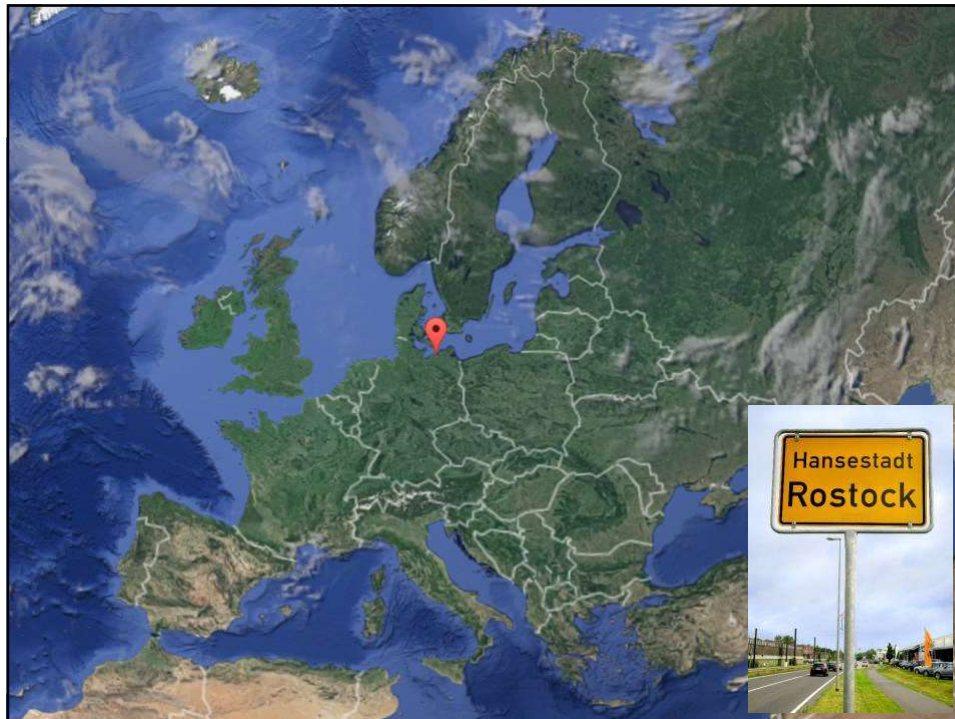
DAAD Deutscher Akademischer Austausch Dienst

Diversifying Cropping Systems

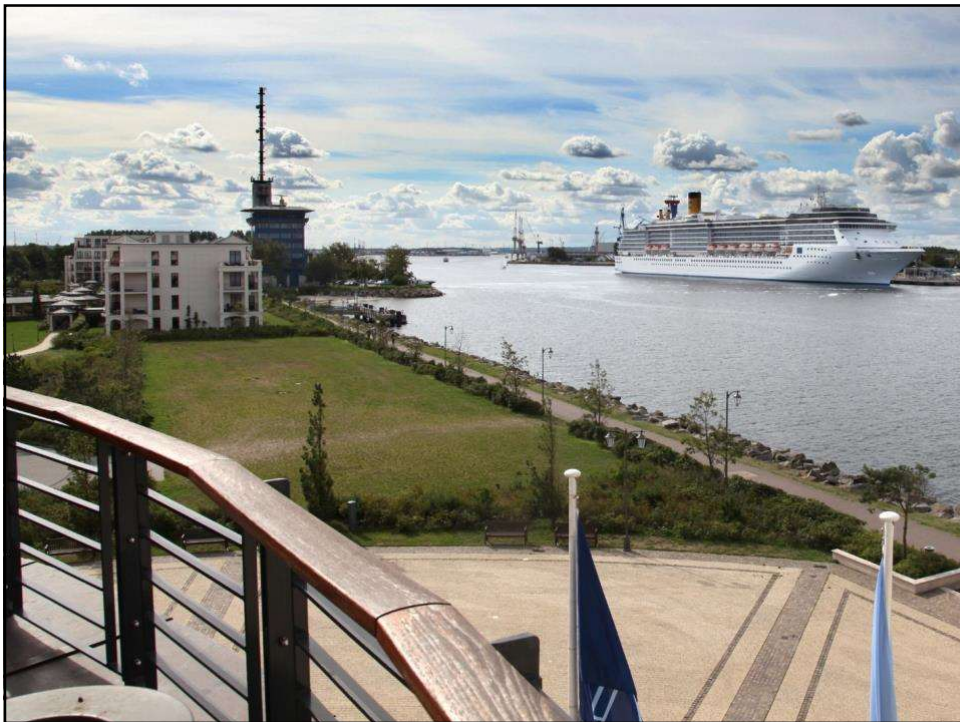
Bettina Eichler-Löbermann



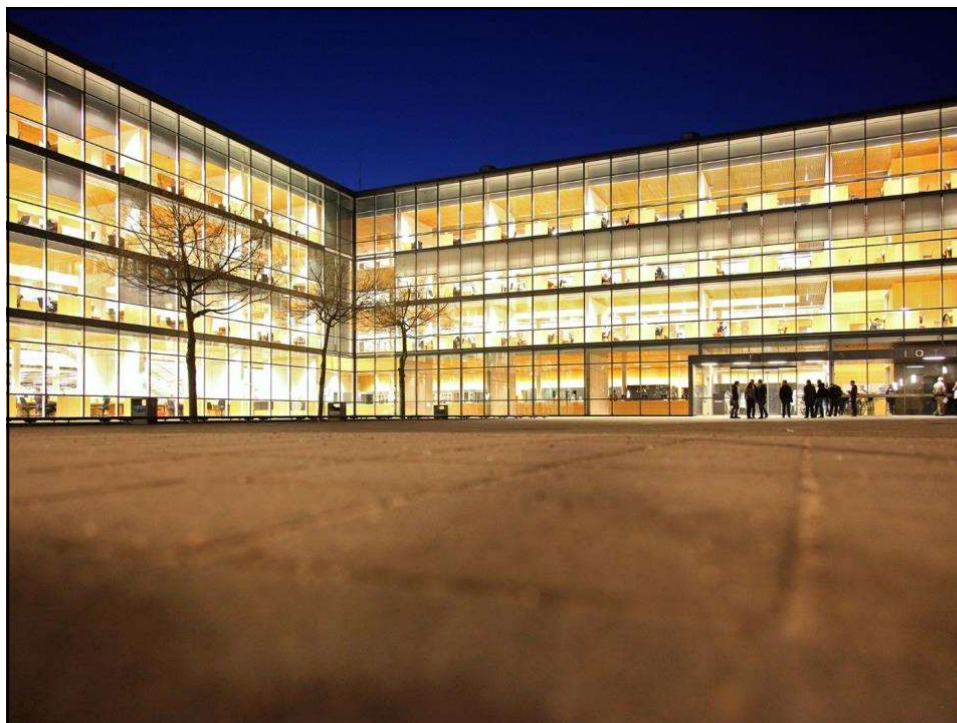
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Foundation of the University 1419

Foundation faculties

- Facultas Artium,
today: Liberal Arts and Education
- Faculty of Law
- Medicine and Dentistry

1432 Faculty of Theology





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Universität Rostock: eine der 15 schönsten Universitäten der Welt





“Rostock is one of the oldest universities in the world, with its beginnings dating back to 1419. However, it has continued to develop in the 21st century with modern buildings like the library contrasting with older architecture for the main building and the Institute of Anatomy.”
(Huffington Post, 11.07.2013)









11.02.2015
UNIVERSITÄT ROSTOCK



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4. University of Rostock, Germany

The University of Rostock is one of the oldest universities in Germany and every year the city attracts more and more students. Many of the buildings are constructed in the Gothic style and in among these stunning buildings are tree-lined avenues and parks. At the centre of the university is the eye-catching main building (pictured below) situated opposite a park and fountain, a perfect spot for students and visitors to spend some time admiring the rich exterior of the building. A visit to the nearby zoology building is recommended, to see the university's famous taxidermy collection. The city harbour is a popular student spot and sports views of the sandy beaches edging the Baltic Sea.



The 10 most beautiful universities in Europe

They say that beauty is in the eye of the beholder, but you'd be hard pressed not to see the beauty in these 10 European universities

Facts and Figures

9 faculties and
70 courses of studies

About 14 000 students
1500 international students (11 %)

staff: 3100


full professors: ca. 300



Research for development
of rural areas



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United Nations Development Programme



SUSTAINABLE DEVELOPMENT GOALS


1 NO POVERTY




2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION




7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH




9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES




11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND




16 PEACE, JUSTICE AND STRONG INSTITUTIONS



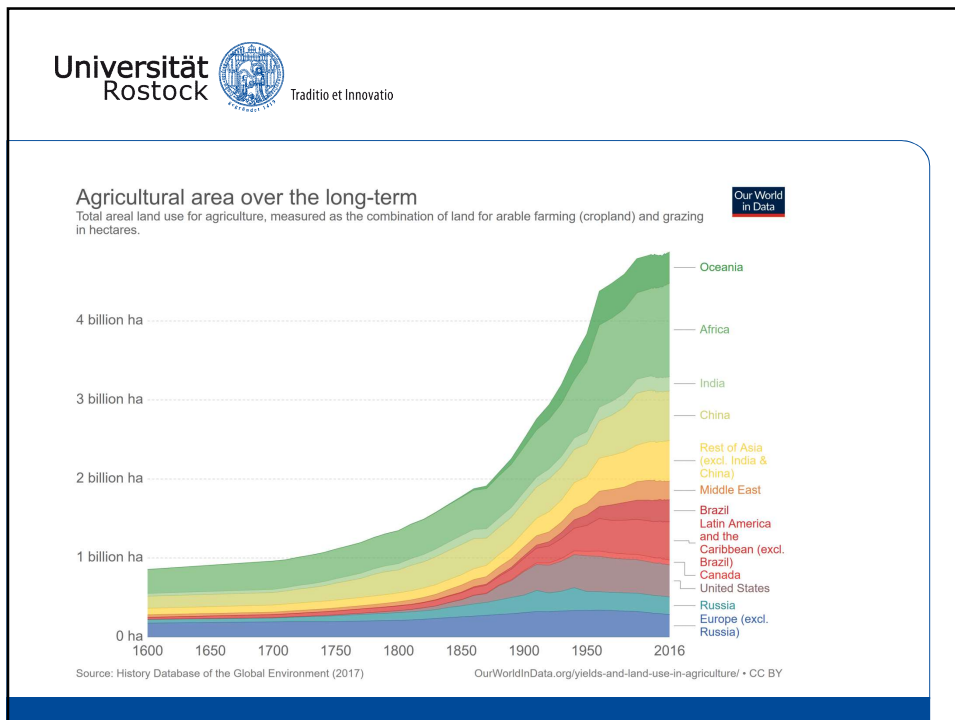
17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE DEVELOPMENT GOALS



The Sustainable Development Goals (SDGs) are a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity.



The variety and variability of animals, plants and micro-organisms that are used directly or indirectly for food and agriculture

- Comprises the diversity of genetic resources (varieties, breeds) and species for food, fodder, fiber..
- Includes the diversity of non-harvested species that support production (soil micro-organisms, predators, pollinators),
- Species in the wider environment that support agro-ecosystems as well as the diversity of the agro-ecosystems. (FAO, 1999)



Distinctive features of agrobiodiversity - compared to other components of biodiversity:

1. agrobiodiversity is actively managed by farmers
2. many components of agrobiodiversity would not survive without human interference
3. local knowledge and culture are integral parts of agrobiodiversity management
4. many agricultural systems are based on 'alien' crop or livestock species
5. diversity within species is at least as important as diversity between species
6. conservation of agrobiodiversity in production systems is inherently linked to sustainable use - preservation through establishing protected areas is less relevant
7. much crop diversity is held ex situ in gene banks rather than on-farm.

Diversity of species:

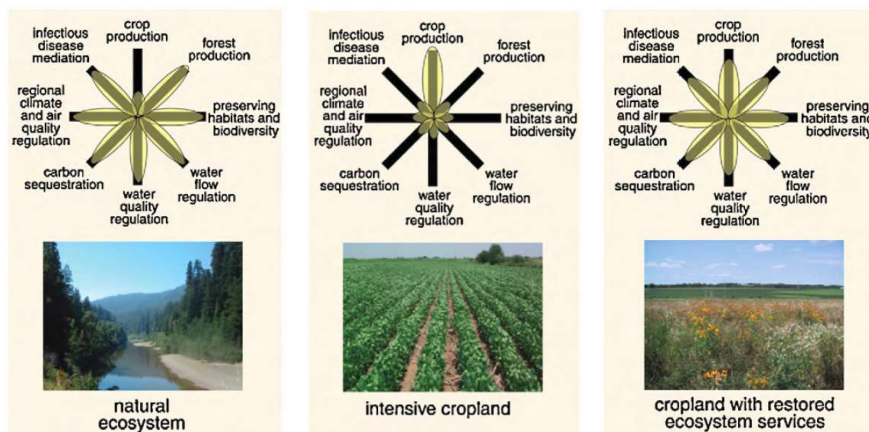
- 13 million species of animals, plants and micro-organisms
- 250 000 to 300 000 known edible plant species
- 7000 cultivated plant species
- 120 plant species important for food and agriculture
- Only 3 – rice, maize and wheat – contribute nearly 60 % of calories
- 6 other species (sorghum, millet, potato, sweet potato, soybean, sugar cane and sugar beet) provide further 15 % = 75% of calories
- 30 % of livestock breeds are at risk of extinction; 6 breeds are lost each month

Intra species diversity in agriculture:

- 4,000 potatoe “varieties”
- 100,000 rice “varieties”

Dramatic loss of agric.diversity:

- Estimations: 3/4 of agricultural plants are lost









Project Activities in Latin America

**Master Study Program
„Sustainable Management of Natural Ressources“
2009 – 2012**

Partner:
 Universidad Granma
 Universidad Central de las Villas, Santa Clara
 Instituto de Biotecnología de las Plantas (IBP), Santa Clara
 Universidad Nacional Agraria, Managua (UNA)
 Universidad Nacional de Ingeniería, Managua (UNI)



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 Project Activities in Latin America



2014 - 2017

↓

- Anchoring aspects of biodiversity in 8 MSc programs in 5 countries
- 4 workshops / 2 excursions in 4 countries
- Development of evaluation tools / online evaluations
- knowledge transfer
- Approximately 100 mobility activities



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 Project Activities in Latin America

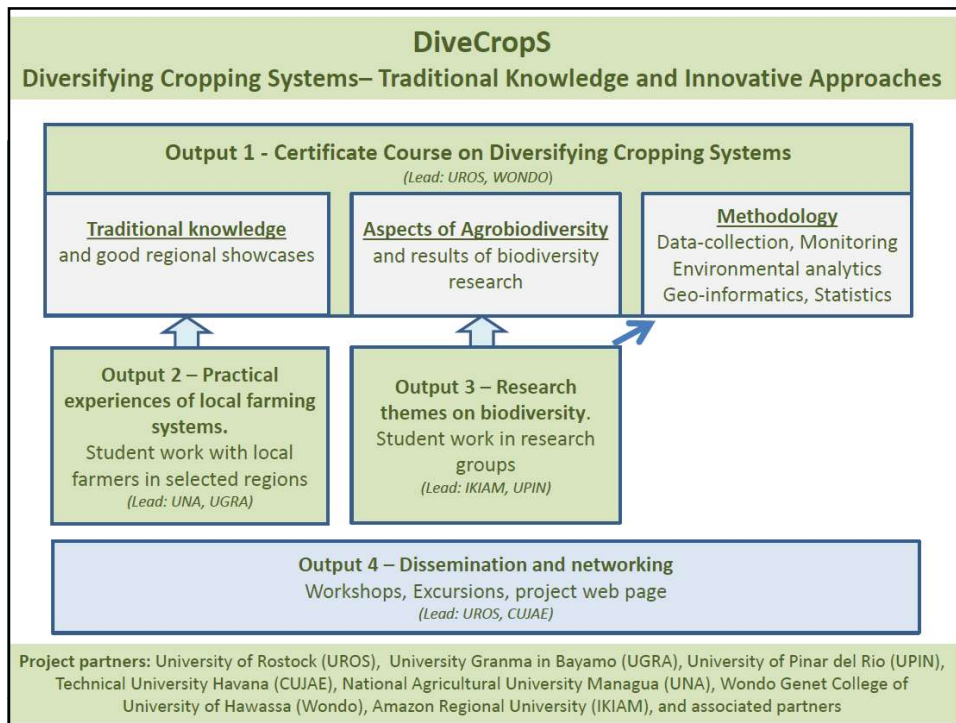














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DAAD
Deutscher Akademischer Austausch Dienst
Servicio Alemán de Intercambio Académico

Many thanks to: Roldán Torres



IKIAM
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DiveCropS



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