



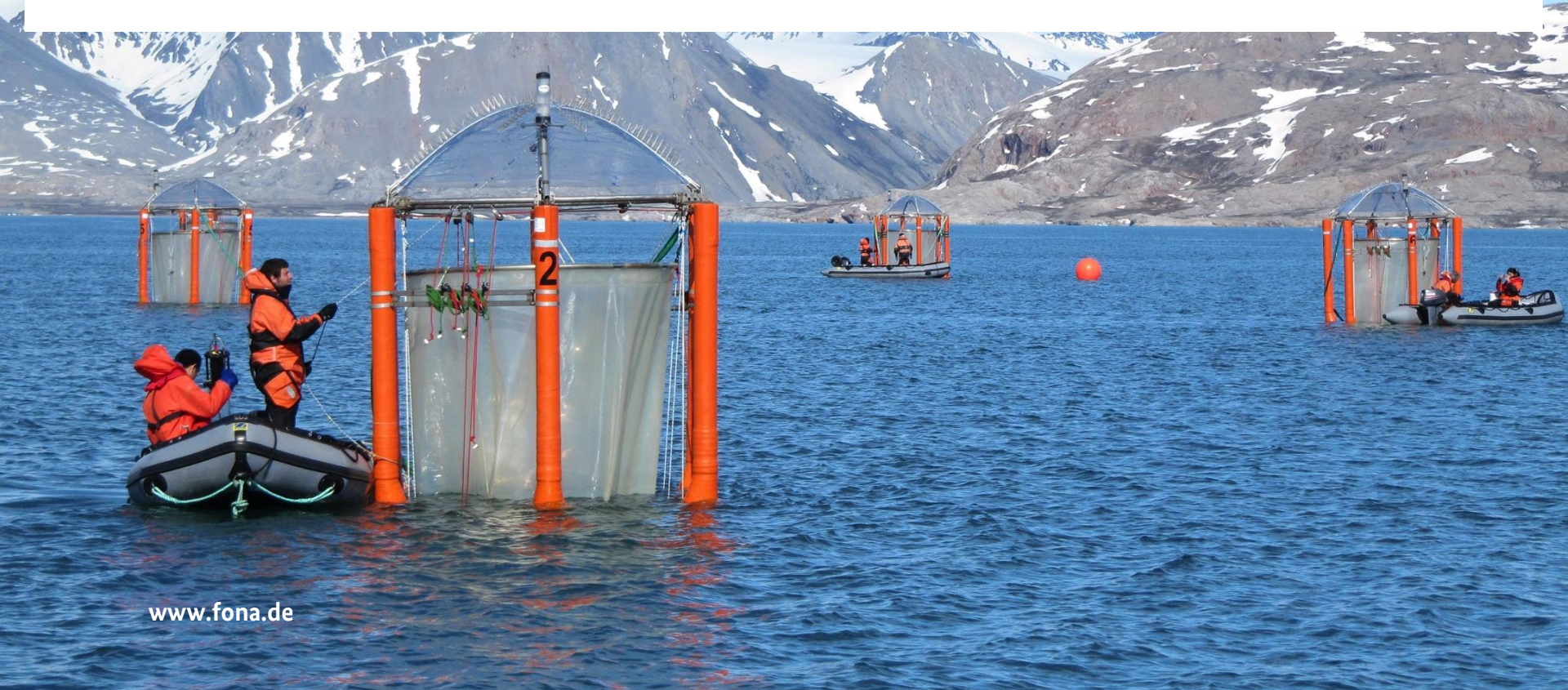
Bundesministerium
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Governing Research for Sustainable Development: The Vision and Mission of the German Ministry of Education and Research

Spring Campus University Alliance for Sustainability

Berlin, March 27th, 2016



The German Research Landscape

The framework for funding research for sustainable development:

- Federal system, 16 *Länder* are responsible for education
- Universities:
 - institutional funding by *Länder*,
 - cooperation agreements between federal government and 16 *Länder*
- Federal ministry of education and research:
 - Vocational education and training
 - Education: equal chances, early childhood education, international studies
 - Research and Innovation
 - International cooperation

2016: 16.4 Billion Euro for Education and Research (BMBF budget)



Source: BMBF/Robby Grosse

2017: 17,6 Billion Euro for Education and Research (+ 7,6%)

Research Funding Instruments

- **Institutional Funding** (ca. 5,8 Billion € in 2017):

- Research Institutes, e.g.



- Funding Institutions , e.g.



- **Project Funding**

- In all relevant fields of research
- Through calls for proposals

The Global Goals for Sustainable Development



Nachhaltigkeits- strategie für Deutschland

Science platform on SDG

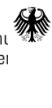
- synergies, conflicts, dynamics, governance
- Advice on the implementation of SDG in and by Germany



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und Entwicklung



Bundeskanzleramt

FONA³ - Research for Sustainable Development

- FONA1: 2005 to 2009; 1.43 billion. € funding for 3.493 projects
- FONA2: 2010 to 2014; 1.81 billion. € funding for 2.867 projects
- FONA³: 2015 to 2019; 2,1 billion € estimated budget

Political foci and achievements:

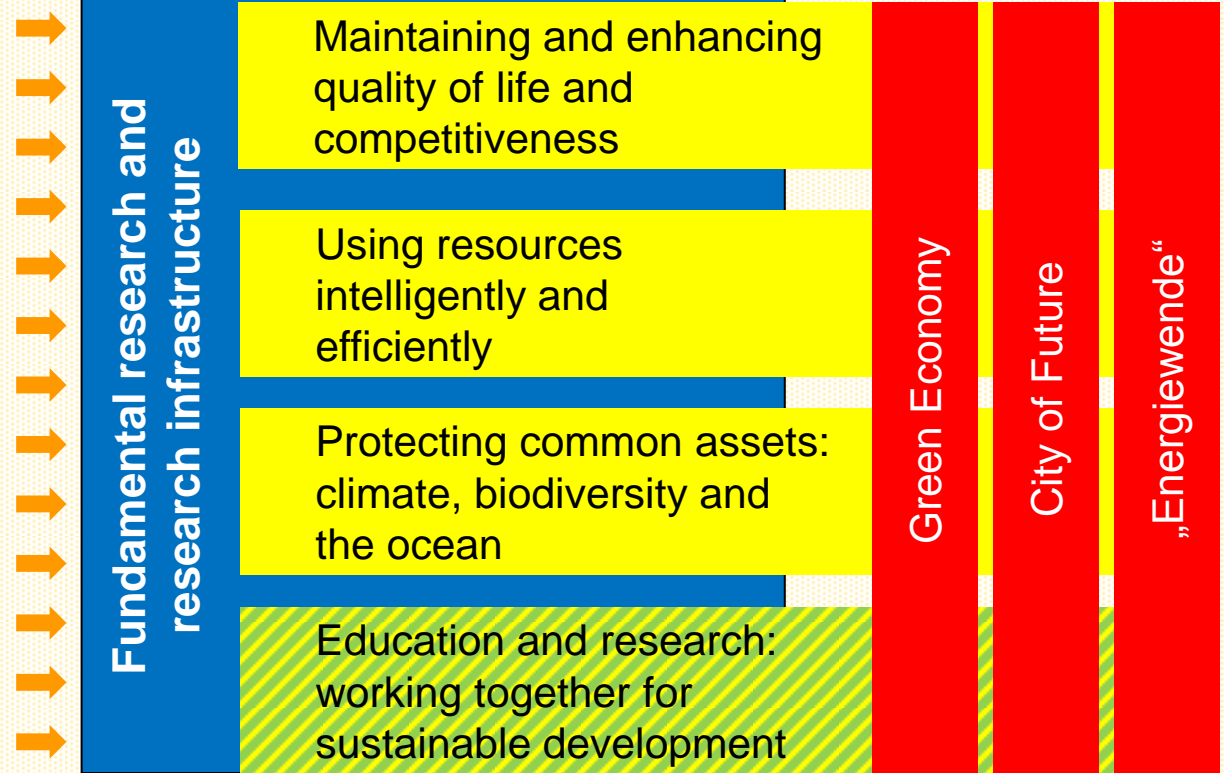
- ✓ Tackling societal challenges
- ✓ Inter- and trans-disciplinary research
- ✓ Effective implementation of research results
- ✓ Research in global responsibility
- ✓ Establishment of international networks



FONA at a glance

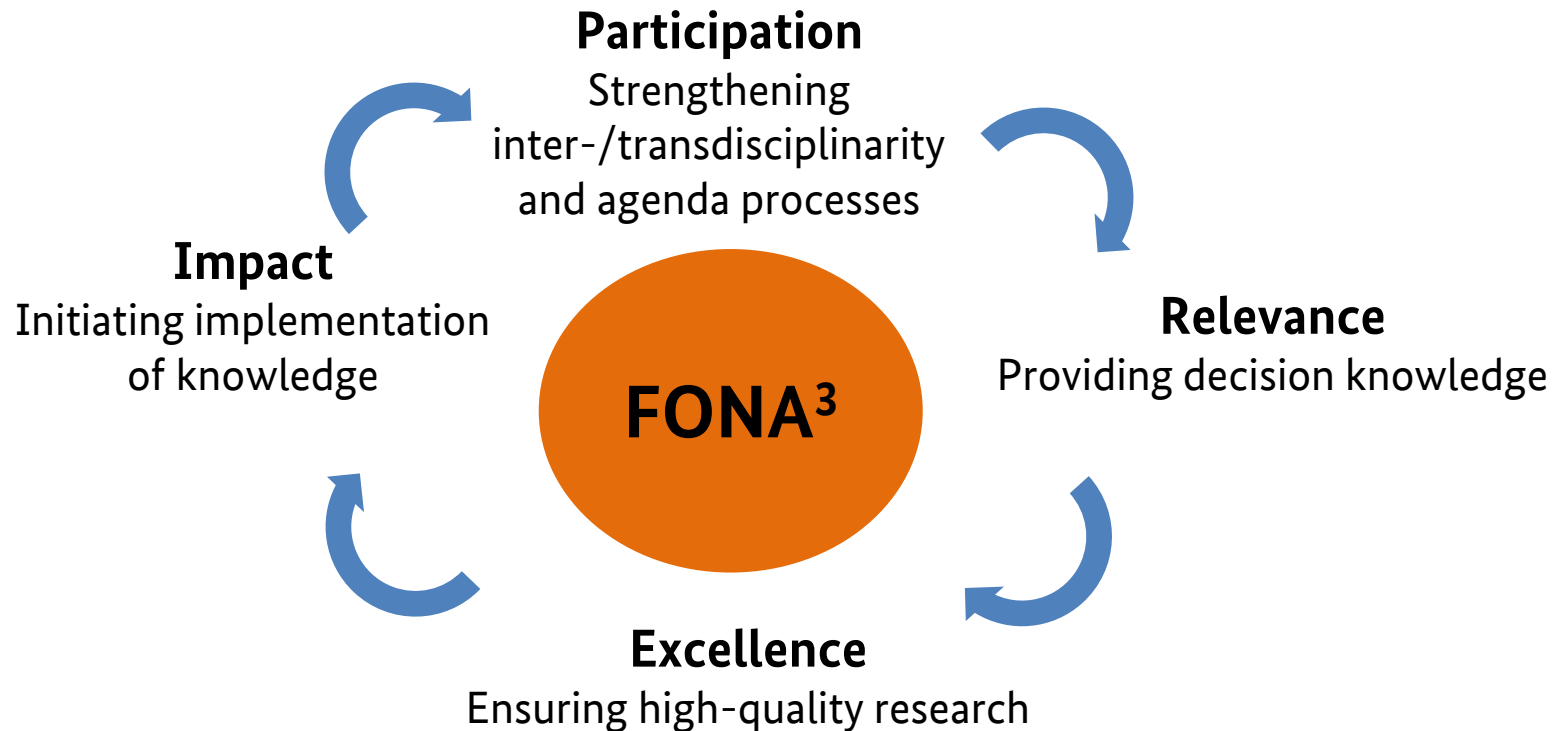
Instruments

- Agenda processes and close departmental cooperation
- Learning programme and impact analysis
- Funding instruments for inter/transdisciplinary research
- Project funding combined with institutional funding
- Sustainability in research institutes

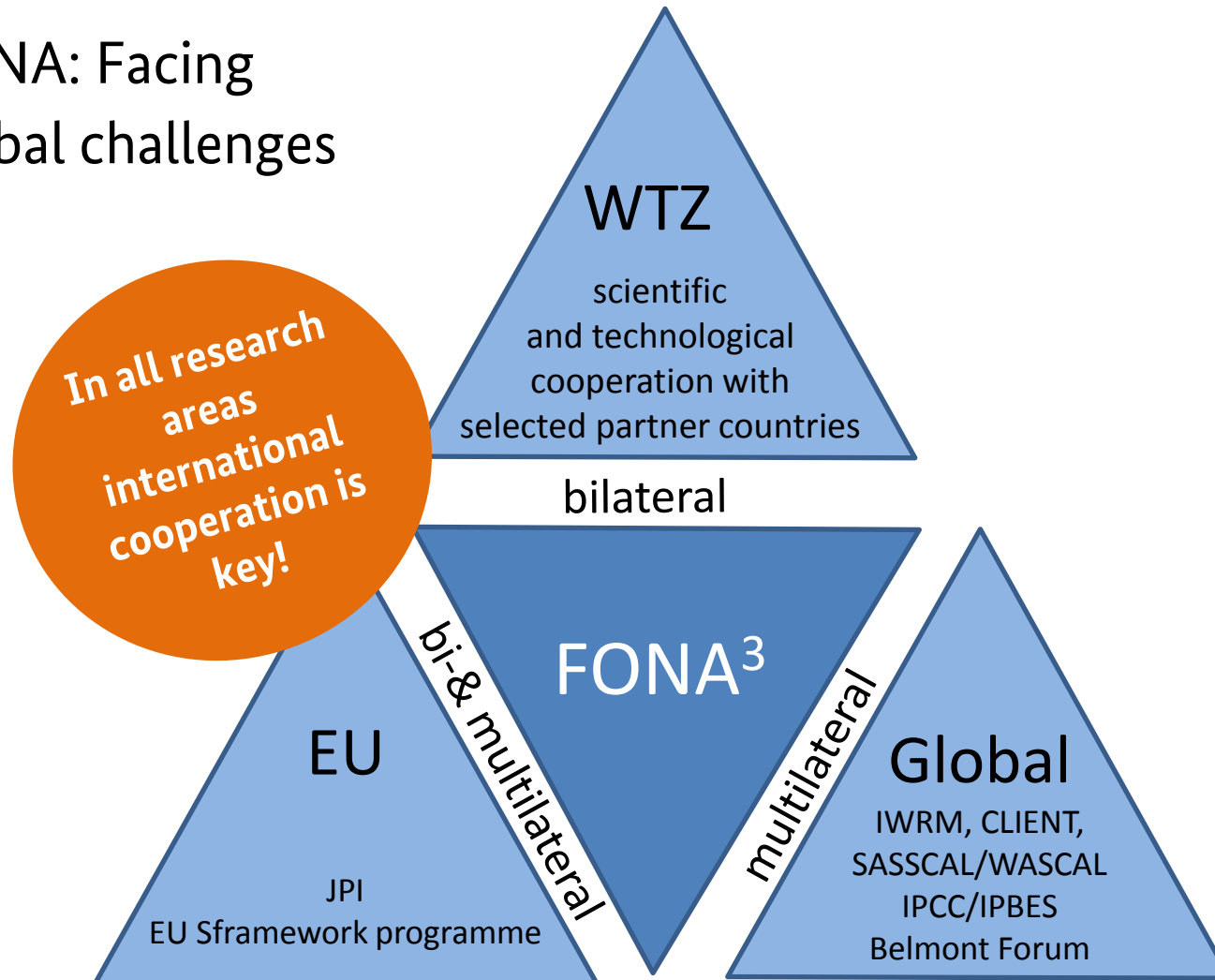


Principles of FONA³

Translation of knowledge into practice and policy.



FONA: Facing global challenges



Sustainability in Science Initiative (SISI)



- Responsible Research and Innovation
- Sustainable Campus Infrastructures (Building and Management) of Higher Education and Research Institutions
- Linking Research and Education for Sustainable Development

SISI: Fostering projects with potential for extension


Wandercoaching: students for sustainable universities



Suchen

Universität Bremen*
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Lehrveranstaltungen Akademie Studierende Lehrende Aktuelles

Thema: Ökologie Thema: Soziales Thema: Wirtschaft

Alle Lehrveranstaltungen der Akademie

 Gesellschaftliches Engagement für nachhaltige Entwicklung durch Stiftungen	 Nachhaltiges Management	 Desarrollo Sustentable Fundamentos y Campos de Aplicación	 Weltfinanzsystem und Nachhaltigkeit
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LeNa – Sustainability in Research Institutions



Sustainability at Higher Education Institutions (HOCH-N) develop—network—report



Universität Bremen



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



Universität Vechta
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DRESDEN**



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MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

11 Higher Education Institutions from 8 Länder

HOCH^N – Work Packages and leading HEI

1. Integration and Transfer

1.1 Project Management and Coordination: Universität Hamburg

1.2 Networking and Transfer: Universität Bremen/Universität Hamburg

2. Sustainability Reporting:

a) German Sustainability Code: Universität Hamburg/Freie Universität Berlin

b) Sustainability Reporting/Indicators: Universität Hamburg /Universität Duisburg-Essen

3. University Governance: Freie Universität Berlin/Universität Vechta

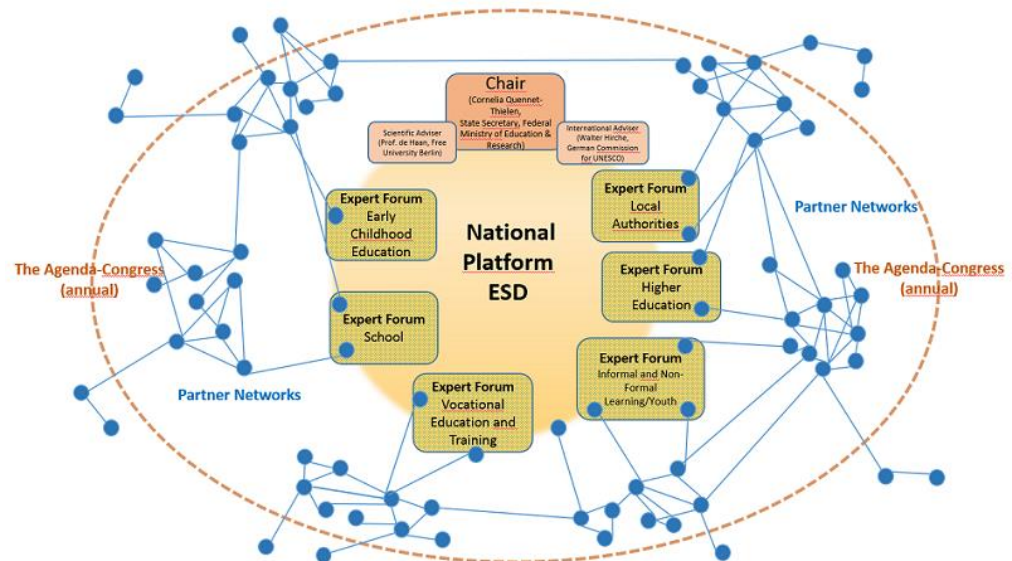
4. Education: Universität Bremen/Eberhard Karls Universität Tübingen

5. Research: Leuphana Universität Lüneburg und Ludwig-Maximilians-Universität München

6. Operations: Technische Universität Dresden und Hochschule Zittau-Görlitz



Education for Sustainable Development (ESD)



UNESCO-Weltaktionsprogramm:
Bildung für nachhaltige Entwicklung



Deutsche
UNESCO-Kommission



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ESD National Action Plan – to be adopted by June 2017

Recommended fields of action for Higher Education Institutions:

- Restructure financial plans in order to permit sustainability
 - Link research and education for sustainable development
 - Support a diversified landscape of HEI with different paths of sustainable development
 - Support students in their role as agents for sustainable development
 - Develop transformative narratives for ESD
-
- For every field of action there are 4-6 goals decided
 - Concrete measures are listed to achieve the goals
 - The members of the National Platform (and others) declare their commitment

Funding research for sustainable development – current/emerging questions

- Which is the best possible impact of research for sustainable development?
- How can we define and measure this impact?
- Important characteristics of research to guarantee a maximum effect on sustainable development? (transdisciplinarity, systemic approach, participative governance, solution oriented approach...)
- Relationship between excellence and sustainability in research. Which are the performance indicators for excellent sustainability research?
- How can we link ESD / education and FONA / research for sustainable development more effectively?

Thank you for your attention!

Eckart Lilienthal

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