

Future Ocean Capacity Building Workshop

North-South-South Cooperation Kiel-Brazil-Mozambique

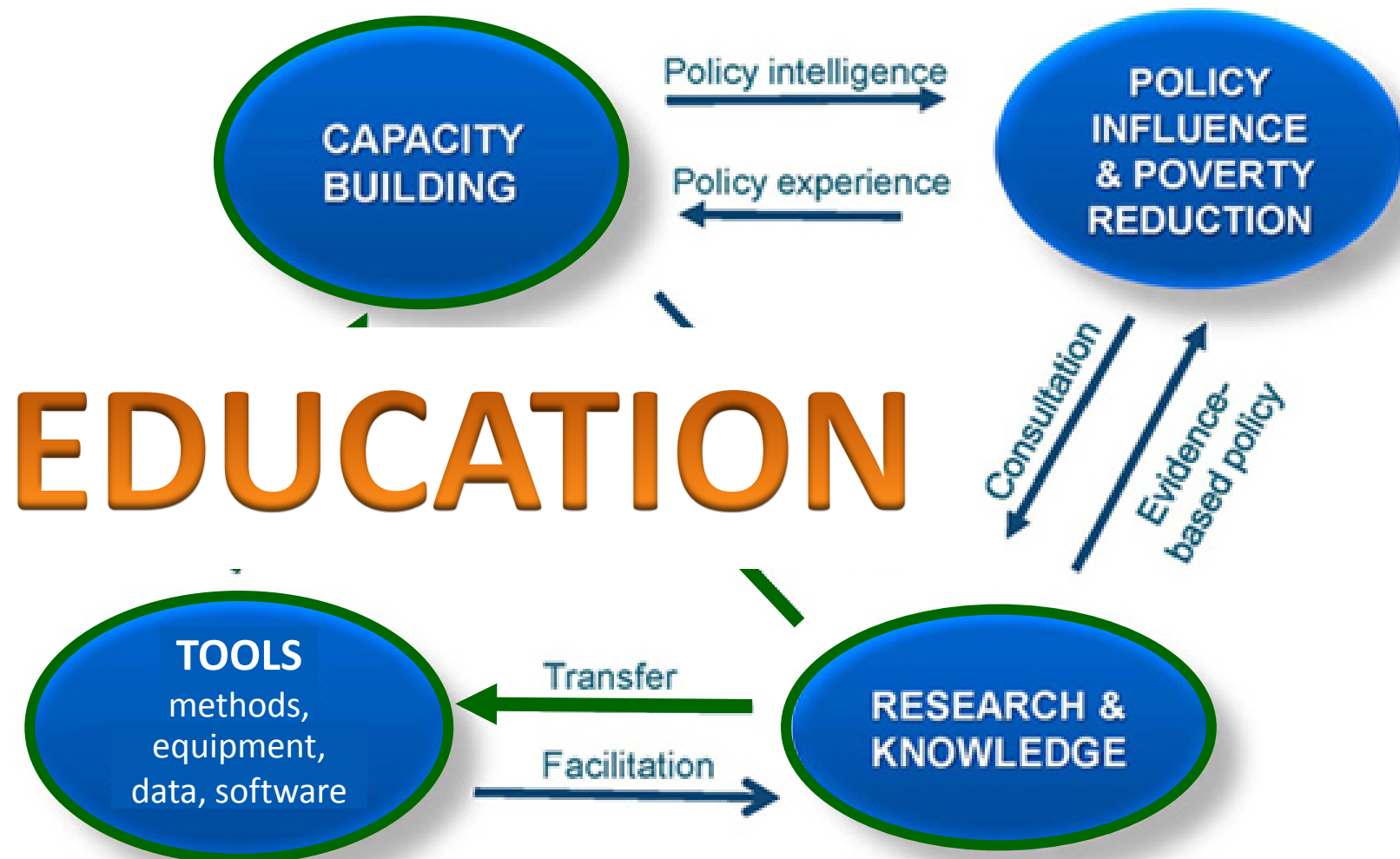
Karl Stattegger

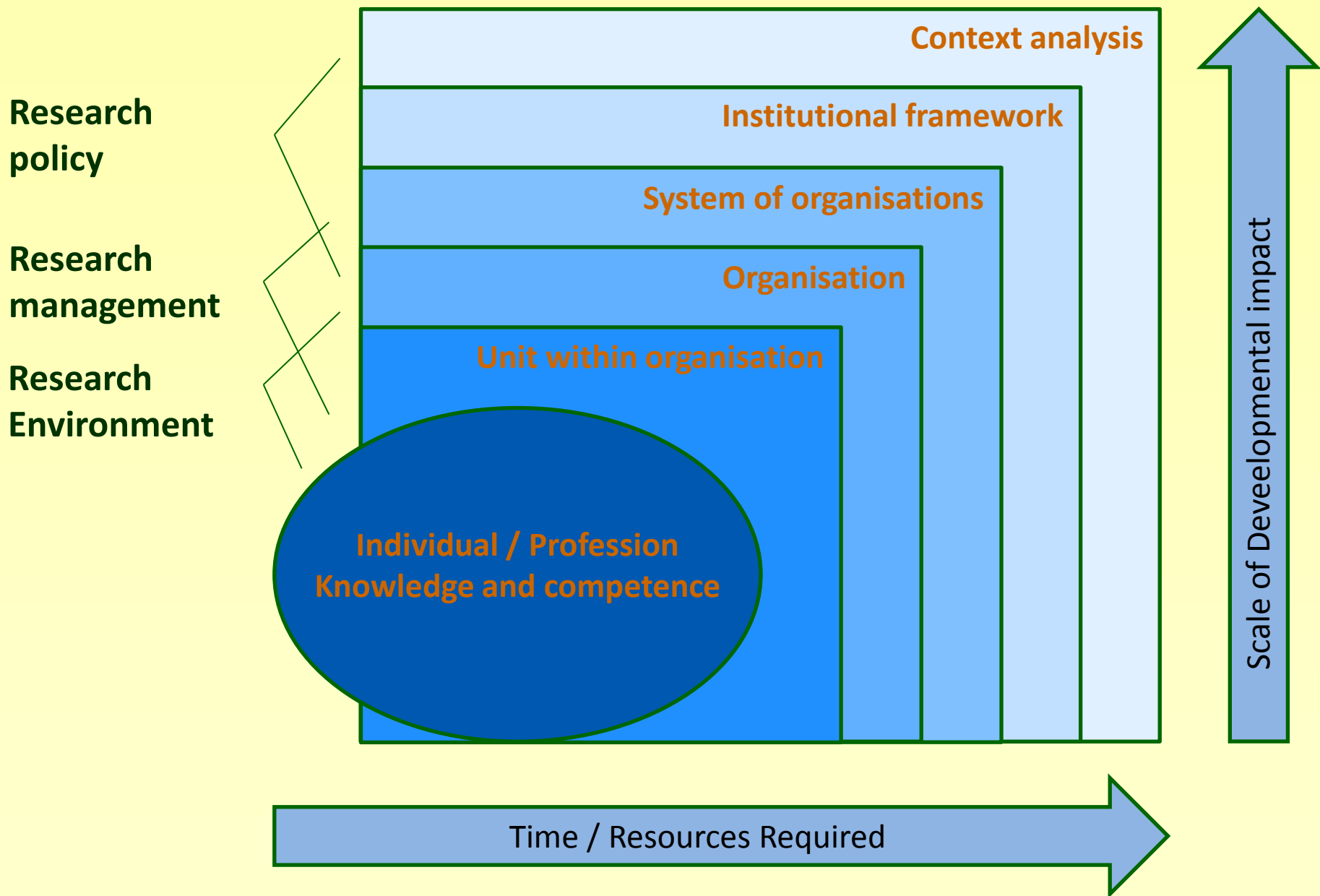
Christian-Albrechts-University of Kiel

Institute of Geosciences

Sedimentology, Coastal and Continental Shelf Research





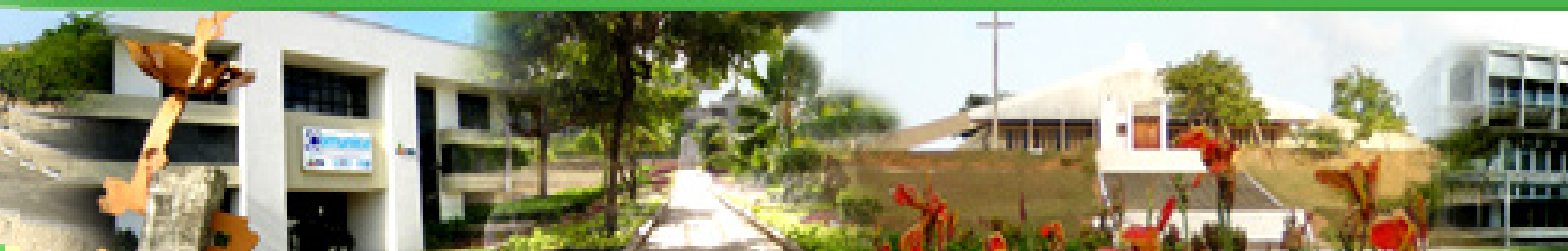


Development of sustainable cooperation

Example UFRN Natal, NE Brazil

Time frame: > 20 years

UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE



Centro de Ciências Exatas e da Terra

Departamento de Geologia

Profa. Dr. Helenice Vital
(Marine and Coastal Geology)



Prof. Dr. Venerando Amaro
(Remote Sensing)

History

1991: First contacts

1992: Preparation of cooperation

application for DAAD grants + DFG fundings for research

1993-1996: 2 PhD projects

1996/97: return and re-installation of „fresh“ Brazilian postdocs

1998/99: new working group in coastal and marine geology installed
at the partner institution in Natal

since 1999: intensification of cooperation with the partner institution

3 DFG projects, 5 DAAD projects (exchange of students and scientists)

Total funding Germany: 1 million EUR

Total funding Brazil: 0.25 million EUR

Outcome

Exchange of students and scientists last 12 years

19 students from Natal for 6 months each (graduação)

10 students from Kiel for 6 months each (diploma)

7 students from Kiel for 3 months (MSc)

2 PhD students from Natal for 4 years (graduation in Kiel)

7 PhD students from Natal for 1 year (sandwich, graduation in Natal)

7 postdocs and professors (<1 month) from Natal

4 postdocs and professors (<1 month) from Kiel

8 PhD graduations

14 MSc/diploma graduations

18 publications

Substantial improvement of infrastructure in Natal
(manpower, equipment, lab and technical facilities)

Lessons we have learned

Stepwise development of partnership

1. Finding the appropriate partner(s) / institution

Partnership at personal level and between smaller education/research units
e.g. university institute/department

- Checking and defining joint interests in education and research
- Planning of research and education activities on topics of joint interest

2. Implementation of first activities

Overseas partners are the local experts and should define relevant research topics and areas

- Specific short courses / summer school at the partner institute
- MSc / PhD projects

3. Regular academic exchange + development of infrastructure at the partner institute
 - Development of curricula
 - Funding of joint research projects
 - Training of scientists and technicians
 - Donation of equipment

Focus:
**Participation of
young scientists**

...at fieldtrips



...practical work at sea



Problems

- Differences in national university structures, especially the curricula
- Language barriers
- Special needs of so-called developing countries often not considered from European perspectives and policies
 - Implementation of large projects
 - (small is beautiful)

Cooperation with
Eduardo-Mondlane-University
Mozambique



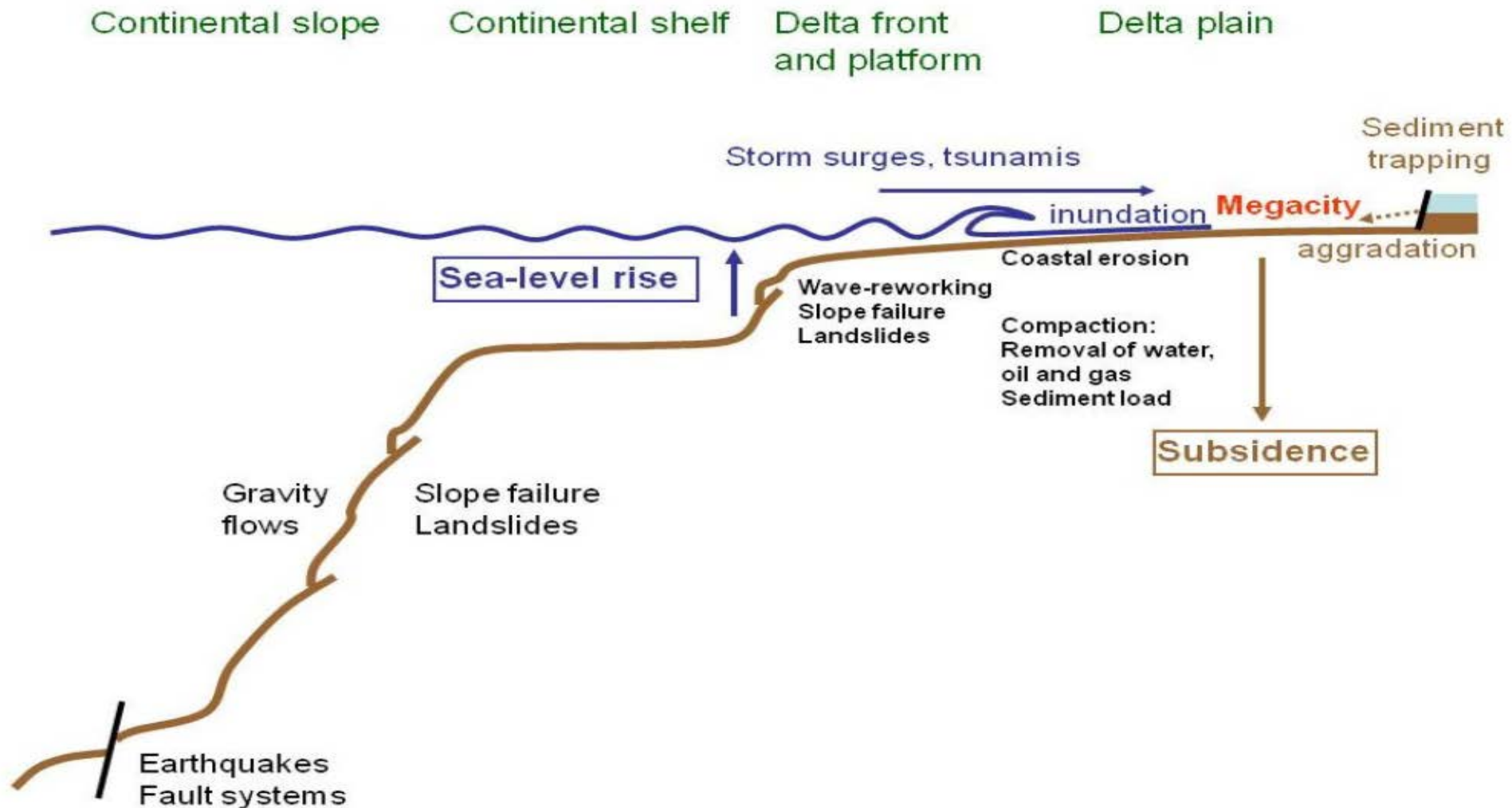
- Ongoing PhD project since April 2012, PhD programme *The Future Ocean*
Valentina Vassele : *Hydro- and Morphodynamic Changes in the Incomati Estuary, Mozambique, and Adaptation Alternatives*
- 2-weeks summer school at Eduardo-Mondlane-University Maputo in June/July 2013
Coastal and Marine Geology
- New curriculum at Eduardo-Mondlane-University, Department of Geology
MSc in *Coastal and Environmental Geology*

How to proceed?

Cluster of Excellence

The Future Ocean

Research Topic R6 *Dangerous Ocean*



Christian-Albrechts-Universität zu Kiel

International Center

Visitor Address

Westring 400 (at the corner of Olshausenstrasse)

Staff Office Hours:

During lecture periods

Monday and Thursday 9 a.m. to 12 p.m.

Tuesday 2 p.m. to 4 p.m.

Outside lecture periods

Tuesday 2 p.m. to 4 p.m., Thursday 9 a.m. to 12 p.m.

Hours of Main Information Desk (No Advising)

Monday to Thursday 9 a.m. to 12 p.m. and 1 p.m. to 4 p.m.

Friday 9 a.m. to 12 p.m.

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international

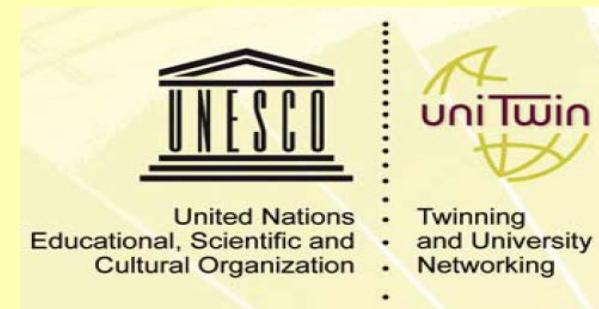


International Center

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Christian-Albrechts-Universität zu Kiel

UNESCO chair in Marine Geology and Coastal Management at University of Kiel



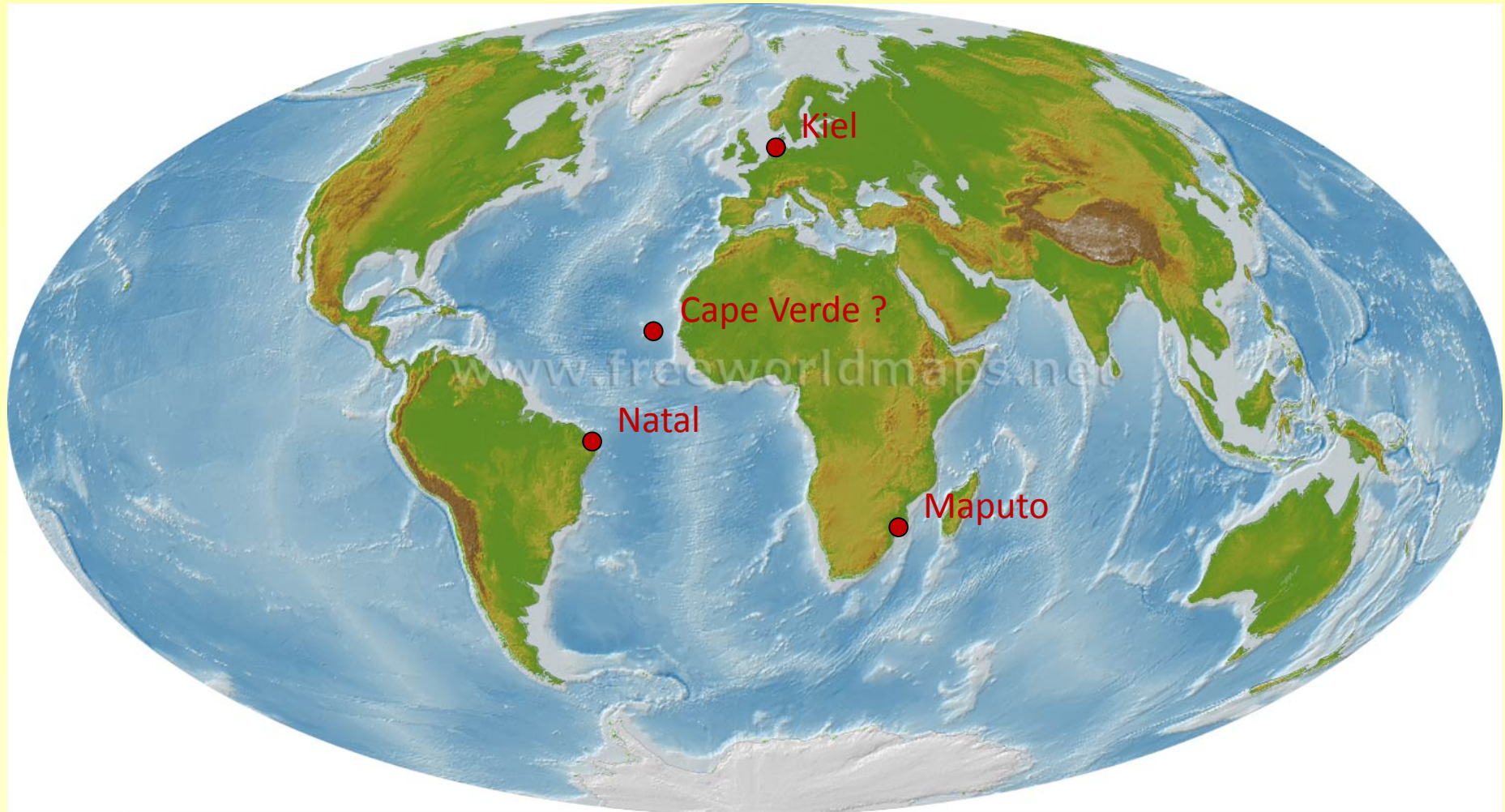
UNESCO Chairs Programme may help in fund raising

The UNITWIN/UNESCO Chairs Programme was conceived as a way to advance research, training and programme development in all of UNESCO's fields of competence by building university networks and encouraging inter-university cooperation through the transfer of knowledge across borders.

UNITWIN is the abbreviation for the University Twinning and Networking Programme.

Emphasis has been placed on the dual function of UNESCO Chairs and UNITWIN Networks as “think tanks” and “bridge builders” between the academic world, civil society, local communities, research and policy-making.

Networking



First research project in Mozambique: Incomati River estuary / Maputo Bay



Thank you for your attention!