

PACE-NET Plus Bremen Conference and Think Tanks

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Enhancing community resilience: managing environment, water and wastes under a changing climate



Think tank 3

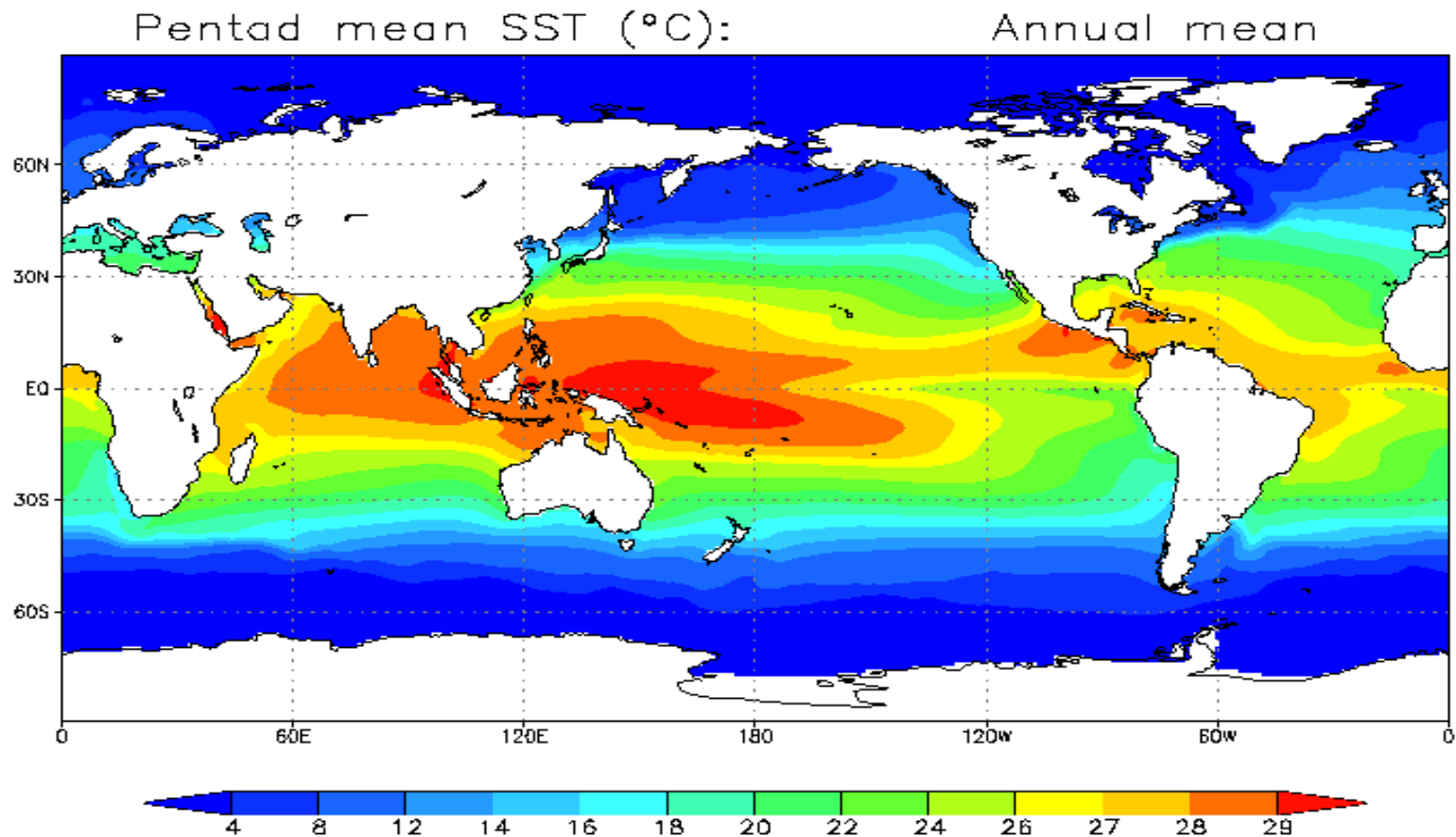
Presentation Plan

Think Tank 3: Enhancing community resilience: managing environment, water and wastes under a changing climate

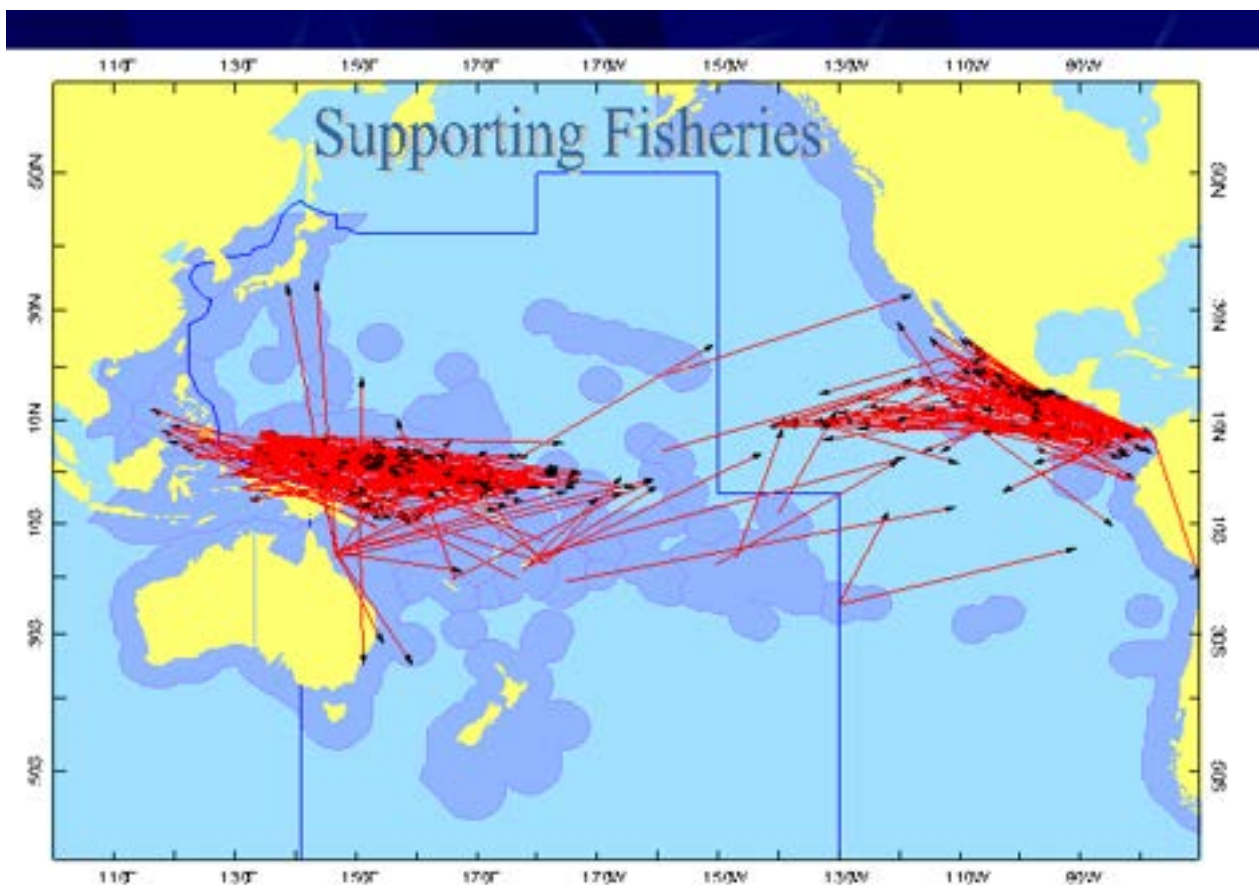
1. Thematic scope background
2. Think tank vision and objectives
3. Priority areas
4. Recommendations to policy-makers (EU/Pacific)
5. Proposed actions/initiatives



1. Climate change in the Pacific Ocean



1. Climate change in the Pacific Ocean



2. Characteristics of Pacific islands

- Competition for scarce resources (e.g. water, land, fish)
- Small islands, large oceans, extreme remoteness
- Fragile and diverse environments and cultures
- Extreme climate events
- High climate variability
- Variable population densities
- Polluted land and coastal waters
- Large waste loads

→ need to be able to **prepare communities** for, and **enhance their capacity to bounce back** from, extreme events and other risks



Island waste disposal site, Kiribati

Photo: Faainu Latu, NUS

3. Think tank thematic scope

- Exploration of:
 - **knowledge** necessary to develop **human and ecological community resilience**
 - **policies** and **practices** required for mitigation of impacts and adaptation to changing climates
- Specific areas of resilience management interest:
 - **Environment and environmental change**
 - **Water**
 - **Waste**



4. Vision and Objectives

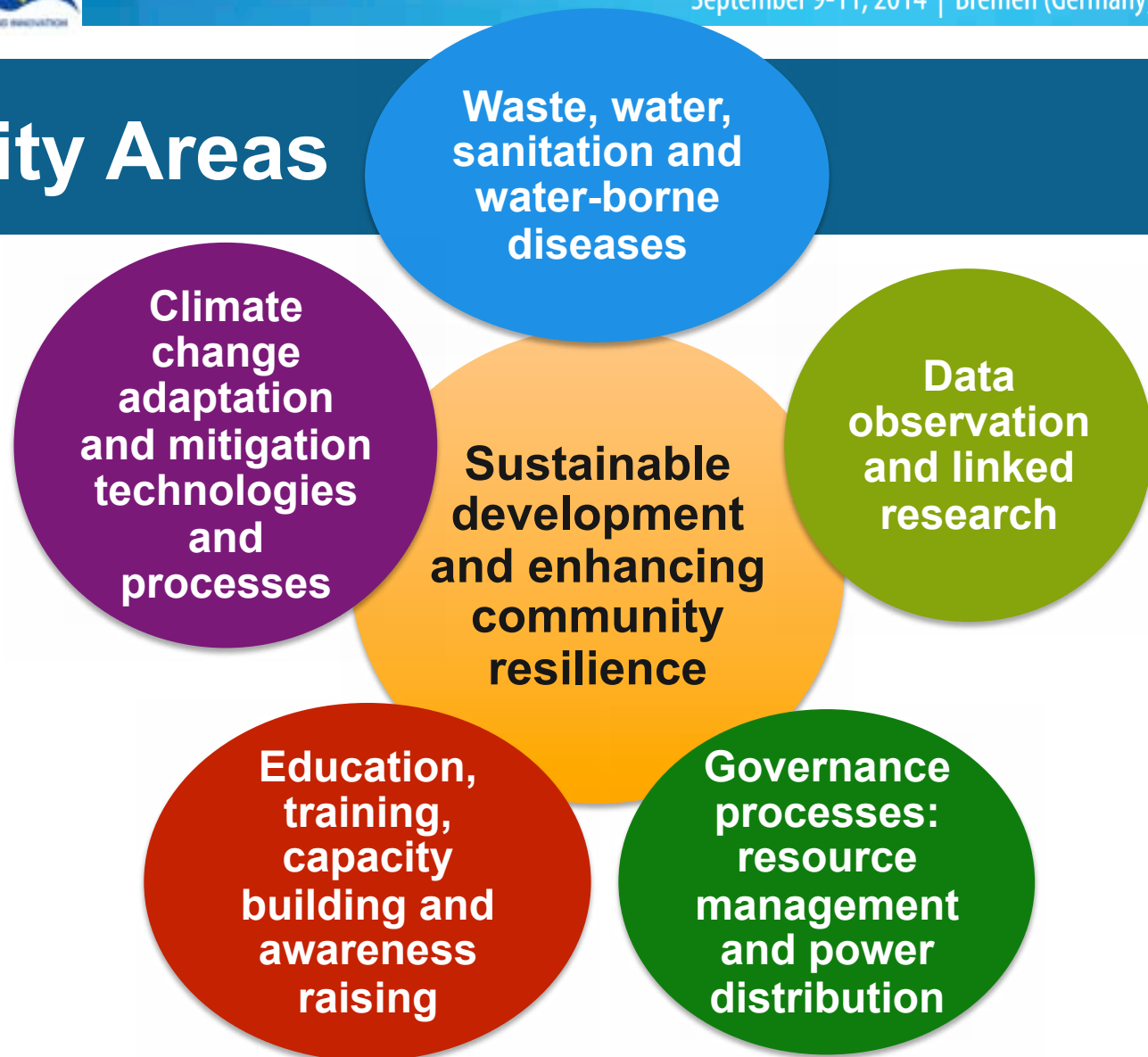
- **Priority on sustainable development the Pacific way**

There is a need to:

- effectively address water and food security (cross-cutting links to health, waste, energy, biodiversity)
- improve management of resources and governance
- maintain and develop Pacific livelihoods
- promote the importance of the Pacific to the EU and global community (Policy makers / scientists / innovators / others)



5. Priority Areas



5. Policy recommendations

Noting the importance of:

- The Pacific ocean as a significant driver of global climate
- Recognising and maintaining biological and cultural diversity and value
- Securing community involvement in STI development (youth, traditional knowledge owners, etc.)
- Baseline data for decision-making and action, and its current lack thereof in the Pacific

5. Policy recommendations

We recommend:

- Pacific protocols for data management, access and sharing be developed, drawing on lessons of EU protocol implementation
- Project pre-financing and seed-funding to develop effective project partnerships be encouraged
- Better coordination of research and development activities within PICTs and the region
- Taking advantage of policy learning to fast-track policy development and resulting sustainable development outcomes

5. Policy recommendations

And we recommend:

- Pilot projects or experiments of processes and technologies to help develop effective wider policies and projects
- The Pacific approach to developing policy that maintains equity and community sharing is used
- Development of supporting policies for climate initiatives and technologies (e.g. REDD schemes, payments for ecosystem services)
- Increasing the visibility of Pacific importance for ST&I in Europe linked to global climate change, biodiversity and food security

5. Proposed actions and initiatives

- Seek to adhere to the following criteria:
 - Relevance to EU policies and strategic ST&I priorities (where aiming for Horizon2020)**
 - Relevance to Pacific sustainable development agenda
 - Community partnerships approach (including in project design, implementation and evaluation)
 - Clear staged implementation to limit risks of project failure and check cultural and physical fit
 - Clear data access and sharing arrangements, including for traditional knowledge



5. Proposed actions and initiatives

- **Building cultural understanding for effective ST&I:** To prepare both EU and Pacific researchers and Pacific communities for cross-cultural engagement through short term placements
- **“My-village” game application:** an innovative platform and research opportunity for engaging youth in sustainable development issues
- **Sustainable management of resources under a changing climate:** community assessment of intangible ecosystem values in addition to economic valuation to inform decision making
- **Open academy of change:** piloting a participatory approach to community to cabinet change and innovation for intractable problems

5. Proposed actions and initiatives

- **Pathways to Island Energy and Food independence:** conversion of waste to valuable resources (e.g. energy, compost for food production)
- **UAV Based technology for the surveillance of EEZ of Pacific Island Countries:** using drones to patrol large ocean expanses, for example to monitor illegal fishing or waste dumping
- **Scenario development pathways to water security:** Pacific-wide cross-sectoral data gathering and projections of water use and availability
- **Climate Services provision:** Creation of a knowledge hub for climate adaptation and data use potential at the National level
- **Better understanding of the Pacific Ocean:** To provide robust data, baseline and modelling (long-range forecasting) to be able to support understanding of the impacts on Pacific and Global climate change

Thank you from the project team



Tenkyu tru (PNG)

Kia ora (Maori)

Vinaka Vaka Levu (Fiji)

Mauruuru (Tahiti)

Tankyou tu mas (Vanuatu)

Tubwa kor (Nauru)

Fa'afetai télé lave (Samoa)

Tubwa Kor (Nauru)

Ko'rabwa (Kiribati)

N'de me braweao (Paici-NC)

Malo 'aupito (Tonga)

Merci Beaucoup, ... ,

Thanks mate