

Adaptation Committee workshop on monitoring and evaluation of adaptation

Nadi, Fiji 09-11 September 2013

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Overview

- German Adaptation Strategy was adopted by the government December 2008
- Adaptation Action Plan 2011
- > Progress Reports are planned
- Part of that will be an indicator based monitoring report to provide a broad overview on what is happening
 - ➤ How does Climate Change affect natural and socio-economic systems?
 - Which most important impacts of climate change do we already recognize?
 - > Which measures are already undertaken?
 - > Information Tool
 - Later the updates of the monitoring report can be used as fundament for an evaluation of the NAS

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Action Fields of DAS



- Human Health
- **Building Sector**
- Water Regime, Water Management, Coastal and Marine Protection
- **Biological Diversity**
- Agriculture
- Woodland and Forestry
- Fishery
- Energy Industry (Change, Transport and Utilities)
- Financial Services Industry
- Transport, Transport Infrastructure
- Trade and Industry
- Tourism industry
- Cross-sectional Field: Spatial, Regional and Physical Development Planning
 Cross-sectional Field: Population Protection

 Covering a wide range of society and environment

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and environment

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Progress Report



- 1. Indicator based monitoring report shall provide a broad overview on what is happening.
- 2. Vulnerability assessment to prioritize risks and derive adaptation needs at the federal level
- 3. Assessment of Adaptation Action Plan
- → Fundament for policymakers to identify priorities for adaptation to climate change and to continue the development of the adaptation strategy

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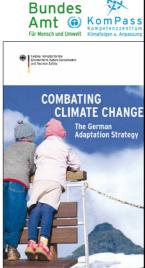
Monitoring report

Requirements on monitoring report of the DAS

- cover the 15 action fields of DAS
- → close reference to its objectives and contents
- existing data → immediately implementable
- Impact and response indicators (in a close relation)

Requirements on the process

- transparency of the selection process
- scientific and political acceptance



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Bundes

Amt (KomPass

Work

Who develops:

- UBA in cooperation with a consultant who carries out the main parts of the technical work
- Involved were governmental and non-governmental (national and federal level), scientific institutions, private organizations

Where we are:

- Technical work had almost been completed and indicators are ready for implementation, every indicator is agreed on the scientific level
- Ongoing process of political commitment involved: all of the ministries on the national and on the federal level

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Stakeholder engagement

- · Monitoring System
 - System is based on existing data → collaboration with governmental and non-governmental data providers necessary
 - Broad acceptance needed
 - by the scientific part: small expert groups focussed on the Action Fields of the Adaptation Strategy, intensive bilateral consultations, workshops
 - → elaborating joint products: indicator factsheets and contributions to the report, <u>principle of indicator ownership in the cross-sectional indicator system</u>,
 - → almost 400 people involved,
 - by the political part: all the federal ministries and L\u00e4nder are invited to comment on the detailled indicator proposals
- → Non governmental institutions are important actors in the adaptaion process. They have to be involved in the M&E process.



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Results



- Data availability
 - More data than expected → more than 100 indicators (partly including additional sub-indicators) based on existing data
 - Governmental and non-governmental data sources used (associations, societies etc.); involved stakeholders helped to identify suitable data sources
 - We experienced many positive "surprises", but also met some dead ends.
- · Most important data gaps
 - Industrial and banking sector:
 Only some singular enquiries carried out, but no regular data collecting activities, often specific measures not yet existing
 - Soil: large monitoring projects, but not fully harmonized data
 - Some indicators only available on the federal level (partly due to data privacy protection)

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Data availability and indicators Umwelt **Bundes** Actions fields and cross-sectional fields Response Impact indicators indicators Water regime, water management, coastal and marine 10 14 13 Woodland and forestry Biodiversity Human health Agriculture Energy industry Spatial, regional and physical development planning Tourism industry Transport, transport infrastructure Soil Civil protection Fishery **Building sector** Financial services industry Trade and industry 3 Total AC Workshop M&E 09-11 September 2013

Results



Main Challenges:

ightharpoonupIn contrast to clearly defined ${
m CO_2}$ -reduction targets there are no quantifiable adaptation targets in general

>Monitoring approach on the federal level

>Work in progress: indicators on governance

➤ At the recent state of the adaptation process a systematic evaluation of the National Adaptation Strategy (DAS) is not possible

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Capacity needs for implementing M&E

- Main target: avoiding additional operating expenses
 - No specific monitoring programmes to be launched for M&E
 - Strengthening specific data interpretation activities (e.g. erosion risks, FFH monitoring data)
 - → Making additional benefit from already existing data
- Aligning the adaptation reporting with other reporting requirements
 - E.g. making use of data from EU Habitats Directive, EU
 Water Framework Directive, EU Floods directive
 - Common indicators with other nationwide indicator systems (on sustainability and biodiversity)
 - → Difficult due to partly very specific adaptation issues
- Task sharing
 - Indicator based report as a joint product of all sectors
 → all of them have to make their contributions
 ("a problem shared is a problem halved")
 - Centralized coordination envisaged





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Outlook



<u>First Monitoring Report foreseen for the end of 2014:</u> Impact indicators:

➤ How does CC affect natural and socio-economic systems? Responses – Adaptation - indicators:

> How do we act and what comes out?

Continuous reporting on agreed indicators to measure progress of implementation of strategy

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