

Adaptation Committee workshop on monitoring and evaluation of adaptation

Nadi, Fiji
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Dr. Petra van R uth

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



Action Fields of DAS

- Human Health
- Building Sector
- Water Regime, Water Management, Coastal and Marine Protection
- Soil
- 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-sectorial Field: Spatial, Regional and Physical Development Planning
- Cross-sectorial Field: Population Protection

Covering a wide range of society
and environment

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

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



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

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, principle of indicator ownership in the cross-sectional indicator system.
 - almost 400 people involved,
 - by the political part: all the federal ministries and Länder are invited to comment on the detailed indicator proposals
- Non governmental institutions are important actors in the adaptation 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

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Actions fields and cross-sectional fields	Impact indicators	Response indicators	Total
Water regime, water management, coastal and marine protection	10	4	14
Woodland and forestry	7	6	13
Biodiversity	3	1	4
Human health	8	3	11
Agriculture	5	6	11
Energy industry	4	4	8
Spatial, regional and physical development planning	-	7	7
Tourism industry	7		7
Transport, transport infrastructure	4	2	6
Soil	2	3	5
Civil protection	1	4	5
Fishery	2	3	5
Building sector	1	3	4
Financial services industry	3	1	4
Trade and industry	1	2	3
Total	55	48	107

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Results

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Main Challenges:

- In contrast to clearly defined CO₂-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



Outlook

First Monitoring Report foreseen for the end of 2014:

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



petra.vanrueth@uba.de

www.anpassung.net