Für Mensch & Umwelt





Regional NAP Expo Asia, Seoul – 12.09.17

Enhancing the effectiveness and sustainability of NAPs through monitoring and evaluation

Dr. Thomas Abeling, Dr. Petra van Rüth Climate Impacts & Adaptation, German Environment Agency

Overview of Presentation

- National Adaptation Process in Germany
- Monitoring and Evaluation Process
- (Some) Lessons Learned

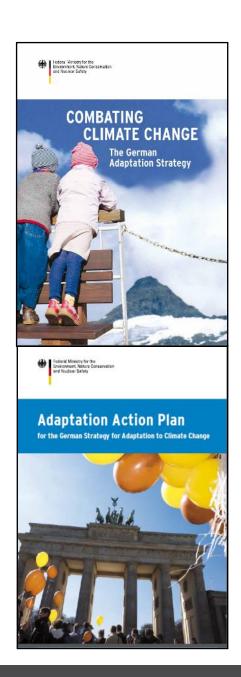
National Adaptation Process in Germany Monitoring Report **Action Plan I** German (2011)**Vulnerability Strategy** Study for **Adaptation** to Climate **Progress Report I** Change (2015)(2008)1. Reduce vulnerabilty 2. Increase adaptive **Action Plan II Progress Report II** capacity (2015)3. Foster Knowledge (exp. 2020)

Governance Structure

Steering (horizontal + vertical)

- Interministerial working group: almost all Federal
 Ministries, chaired by Fed. Ministry of Environment
- Formal Working group with Environment Ministries of all German Federal States

Interministerial WG agreed frequent reporting on adaptation monitoring (4 y), vulnerability assessments (5 - 7 y). Revision of NAS and Adaptation Action Plan is planned every 5 years.



Overview of Presentation

- National Adaptation Process in Germany
- Monitoring and Evaluation Process
- (Some) Lessons Learned

Evaluation as a mandatory requirement of the NAP progress report (2015)

"The inter-ministerial working group on adaptation (IMA) will evaluate the activities (...) regarding the German Adaptation Strategy (...) on a regular basis in order to assess the progress made in adaptation to climate change in Germany (...)."

Progress Report 2015, p. 98



Is the German NAP successfull in fulfilling its goals?

Logic model as conceptual framework

Input

Resources
and
structures,
investments
, other nonmonetary
contribution

Implementation '

Measures that use inputs to create outputs

Output

Products
and
services,
direct
results of
implemente
d measures

Outcome

Explicit
value of
products
and
services,
short and
mid-term
observable

(Policy-)Impact

Direct and indirect, observable effects, long-term changes

Example

Greening of sealed surfaces in the densely populated city centre of a medium size city

Input

Implementation |

Output

Outcome

Impact

- Employees of streets and parks department
- Time
- Money
- Services of planners
- Findings of studies and the municipal adaptation strategy

- Sealed surfaces are unsealed
- Unsealed surfaces are greened
- Low percentage of sealed surfaces in the city centre
- Greener cityscape

- Citizens feel more comfortable in the city centre
- Surfaces do not heat up that fast and need less time to cool down than before
- Costs for maintenance of green areas rise (absolute numbers)

Decreased health issues (e.g. heat stress) during heat waves

Logic model for the German evaluation

Input

Implementation

Output

Outcome

Policy-Impact

Process

- Development of the adaptation strategy and relating documents (barriers, work-flows, cooperation of government departments)
- Role of different actors in the process
- Participatory processes

Products / results of the adaptation process on a strategic level

- Inventory of products
- Analysis of developed documents (content, structure, consistency, relevance and integrity of clusters and fields of action)
- Communication measures
- Anchoring of adaptation in government departments

Effects of the adaptation process on a strategic level (short- and mid-term)

- Developments in federal states
- Strengthening of personal provision of actors
- Provision of knowledge
- Enabling political actors
- Mainstreaming
- Anchoring permanent task of adaptation to climate change

Long term effects of the adaptation process

 Does the adaptation process as a whole contribute to strengthening the adaptive capacity and reducing vulnerability?

Action Plan II (AP)

Implementation of AP II

- Cooperation of involved actors (efficiency? Where is cooperation taking place?)
- Resources
- Role and responsibilities of actors regarding the implementation of measures

Results of AP II measures

 Status of implementation of measures of AP II

Effects of measures of AP II on a target group level (short- and mid-term)

Operational level

strategic level

process evaluation

evaluation of status of implementation

evaluation of effects

Methods for the Evaluation

Interview Chain

A.1 (IMA-

National)

Analysis of Indicators, further research and analysis

Interview Chain

A.2 (16 Regions)

Interview Chain D

(Sector Experts)

APA Status-Tool

(Excel

Questionnaire)

Doc.

Interview Chain **Analysis** | **B** (Experts)

APA Status-Tool

(Excel

Questionnaire)

Interview Chain

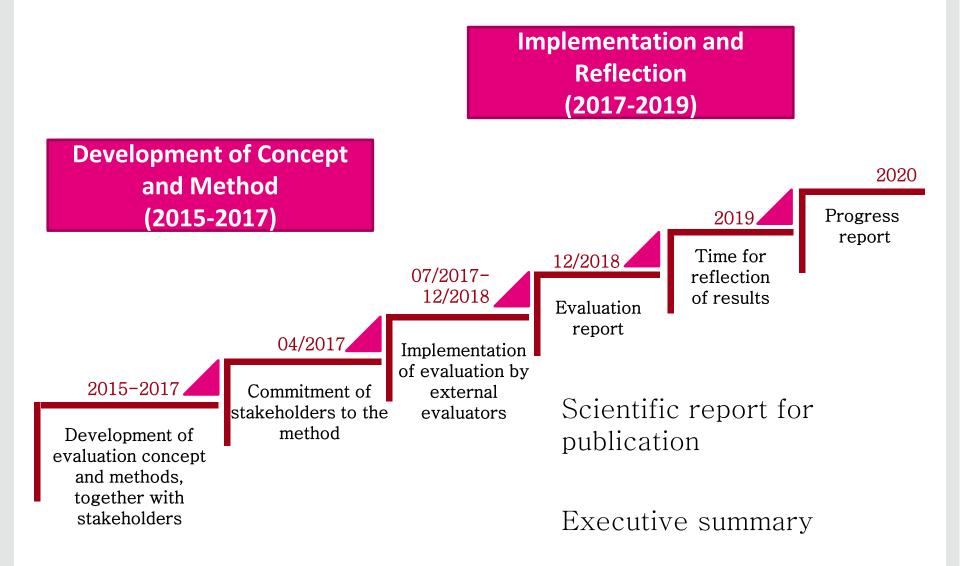
C (Impl. APA II)

Validation of results through Delphi process

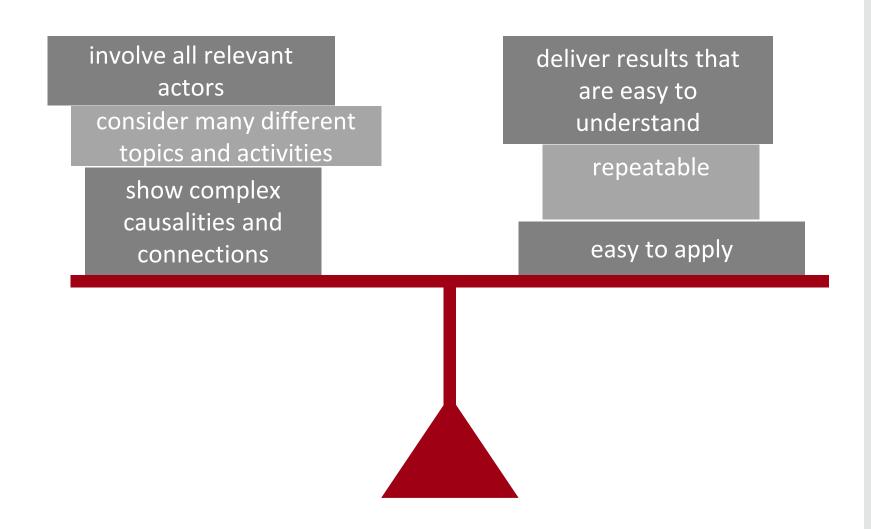
Overview of Presentation

- National Adaptation Process in Germany
- Monitoring and Evaluation Process
- (Some) Lessons Learned

Split Development and Implementation



Challenge: finding balance between...



Umwelt **6** Bundesamt



Thank you!

Thomas Abeling
German Environment Agency (Umweltbundesamt)

Section KomPass - Climate Impacts and Adaptation in Germany

Wörlitzer Platz 1 06844 Dessau-Roßlau Germany

tel: +49 (0)340 2103 2501 fax: +49 (0)340 2014 2501 thomas.abeling@uba.de

