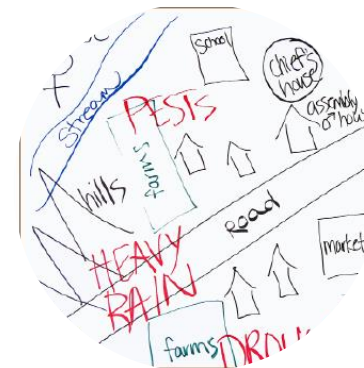
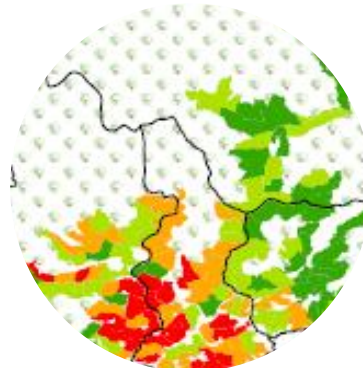


# Risk Assessments as a Basis for Adaptation Policy

New approach to climate risk assessments  
and its benefits for adaptation policies





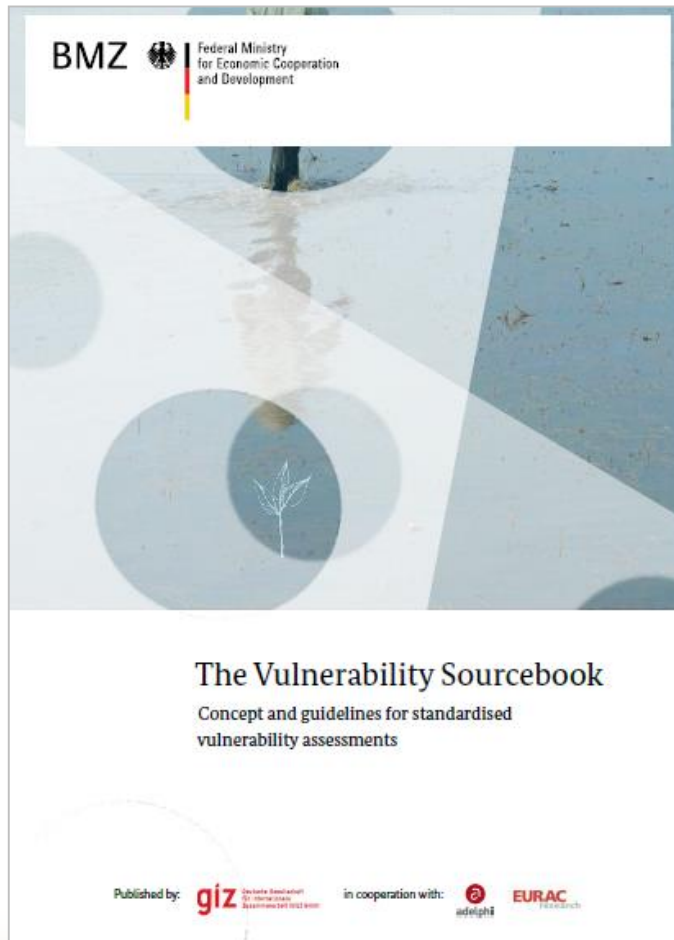
# Agenda

- 1. Approach** of the Sourcebook  
Vulnerability & New Risk  
Supplement
- 2. Benefits** for decision-making  
and adaptation policies





## What is the Sourcebook?



- **Standardized**, modular and practice-oriented approach
- **Scalable** to different regional levels, sectors and contexts
- Provides a framework – **not a prescriptive** methodology
- Allows for the application of Vulnerability/Risk Assessments for **M&E** of adaptation
- Risk supplement to apply the Sourcebook to new **IPCC AR5 risk concept**

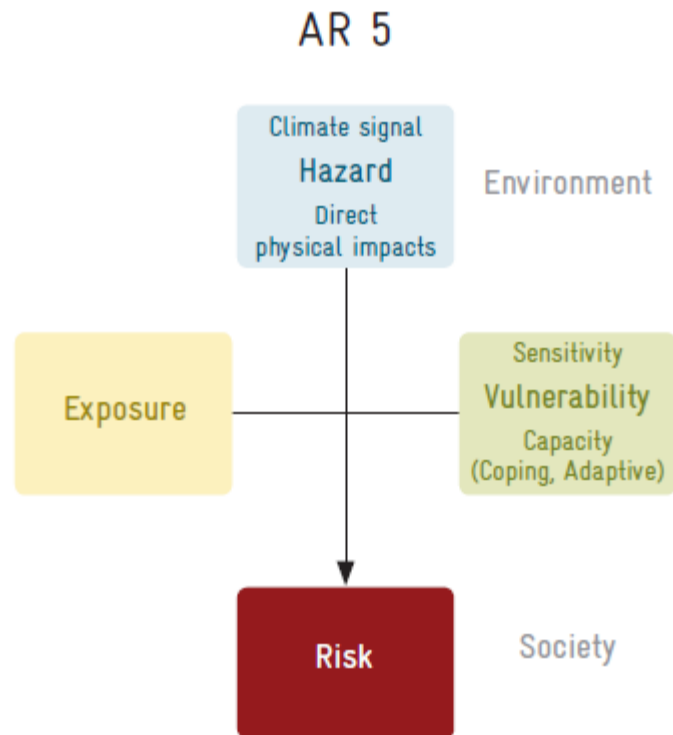
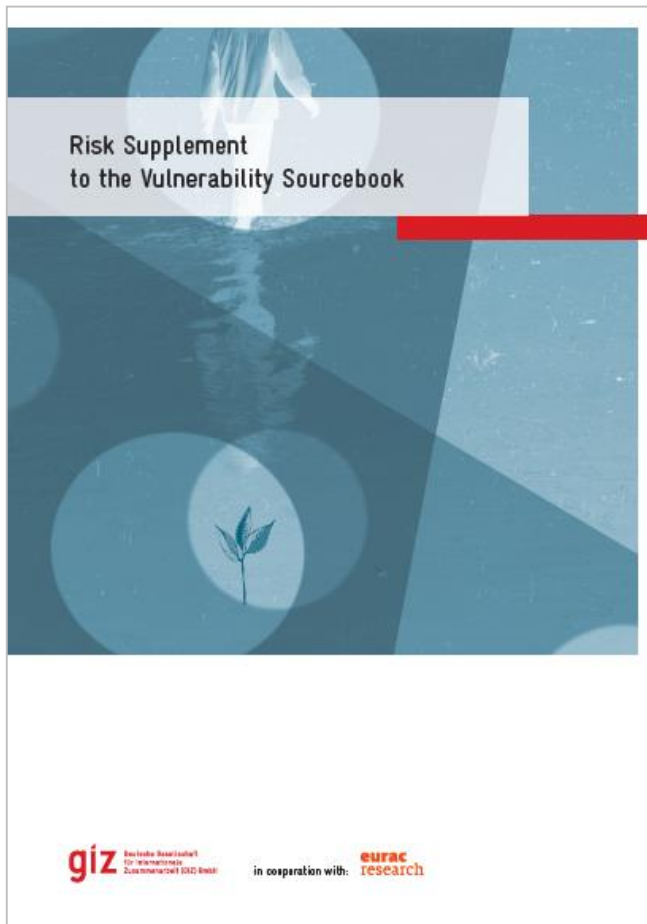


## Why did we develop the Sourcebook & Risk Supplement?

- Integral part of the **National Adaptation Plan** (NAP) process
- Transfer of **German experience** with Vulnerability Assessment conducted in the context of the German Adaptation Strategy
- Need within GIZ for **guidance** and an acknowledged approach
- **New IPCC risk concept** adopted from disaster risk reduction community gains international acceptance
- Risk concept encourages to strengthen efforts to **determine likelihoods of potential consequences** as part of the risk assessment
- Risk Supplement **bridges gap** between Vulnerability (AR4) and Risk (AR5) concept

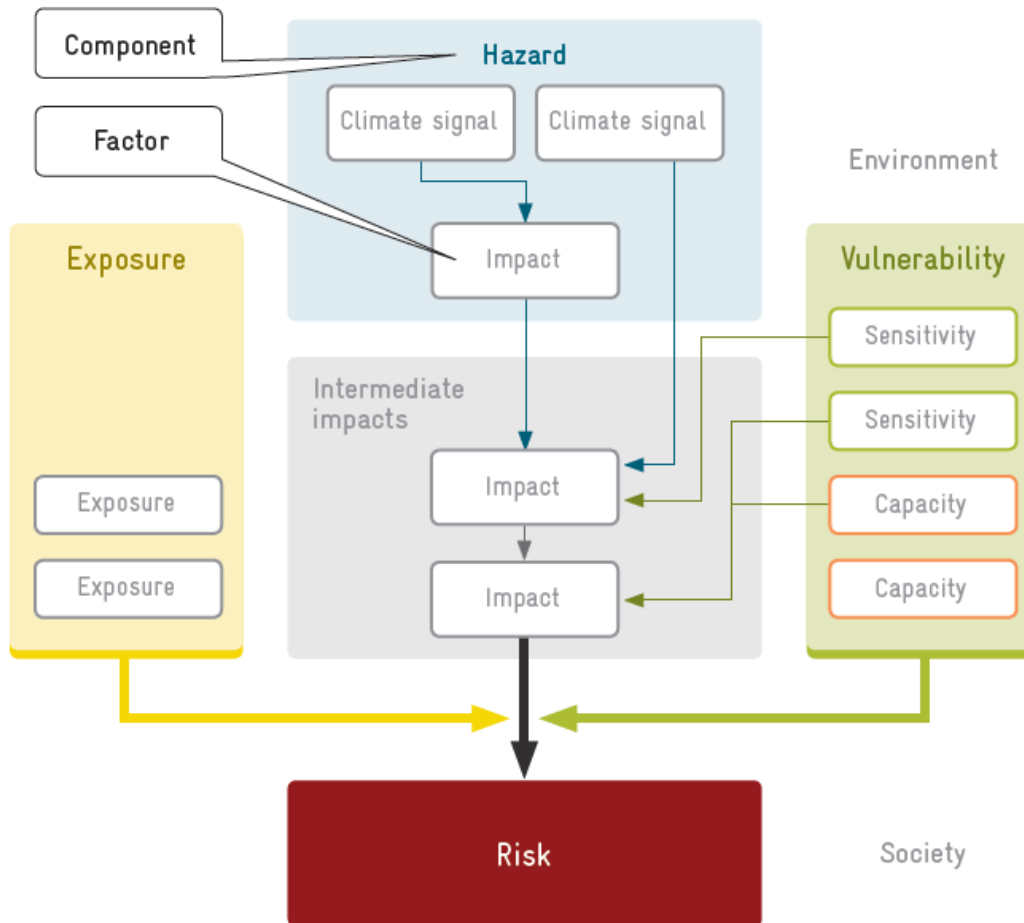


## How does the approach look like?





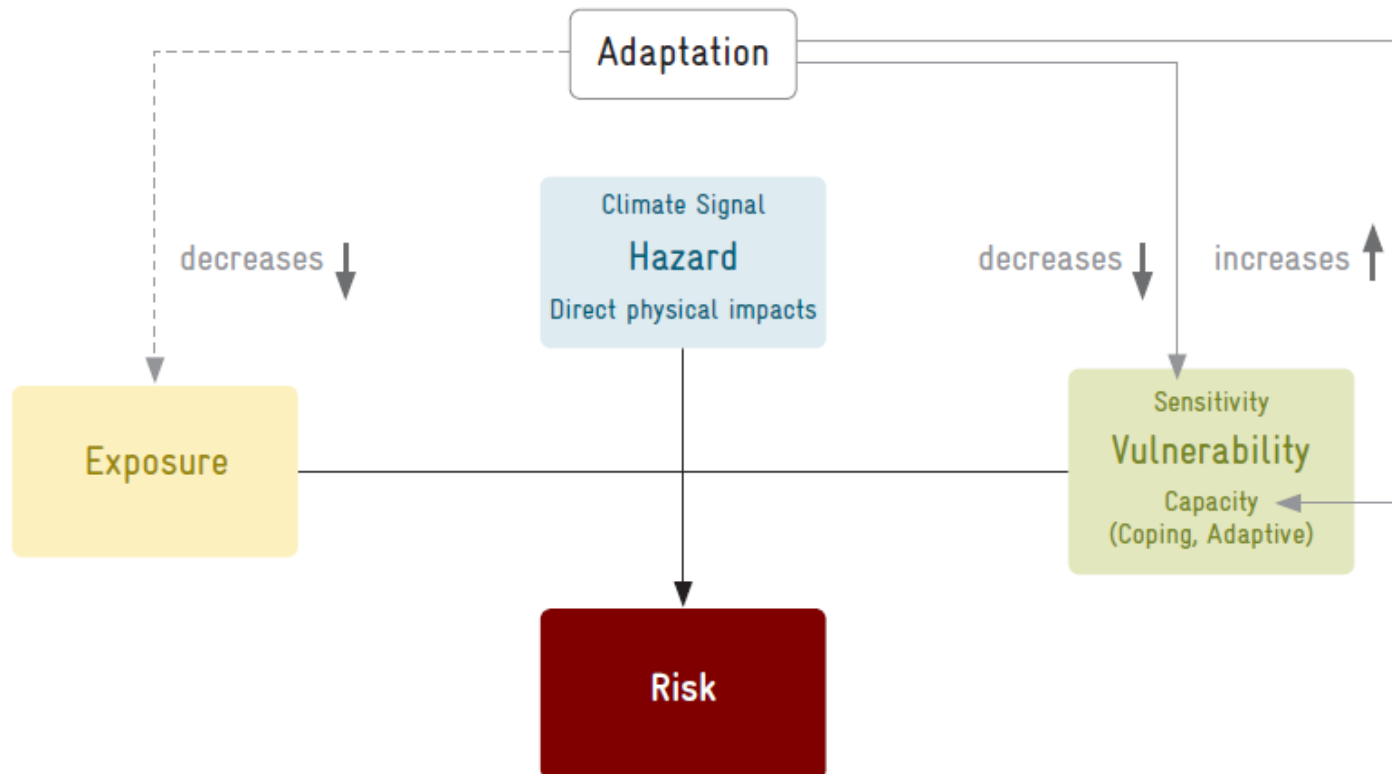
## How does the approach look like?



- M1: Preparing the Risk Assessment
- M2: Developing Impact Chains
- M3: Identifying and Selecting Indicators
- M4: Data Acquisition and Management
- M5: Normalization and Threshold Definition
- M6: Weighting and Aggregating Indicators
- M7: Aggregating Risk Components to Risk
- M8: Presenting the Outcomes

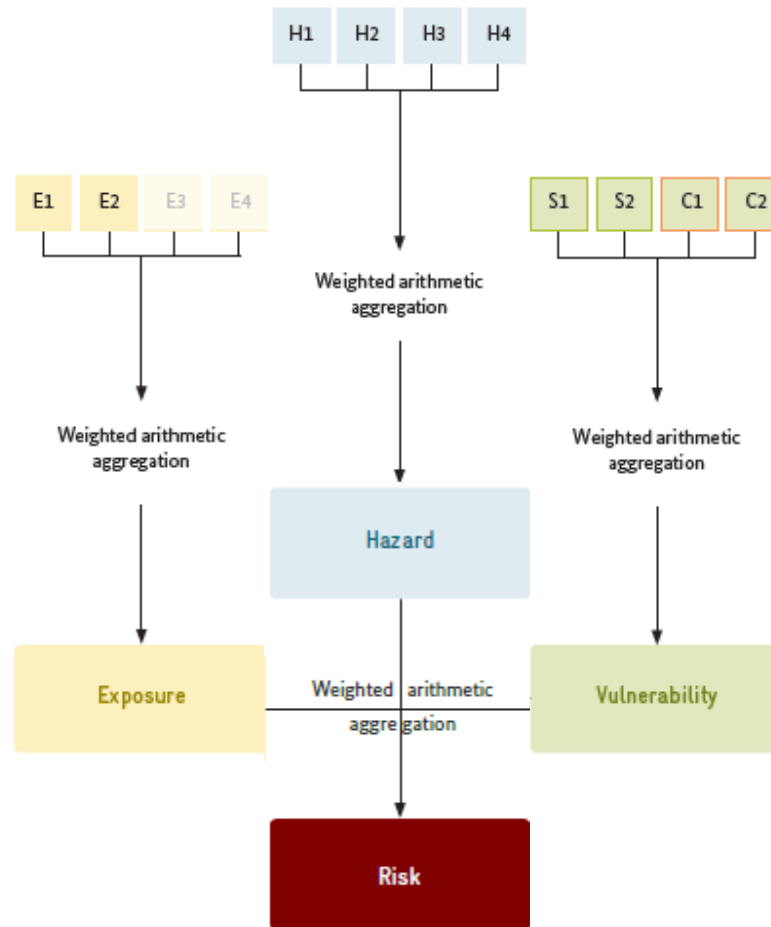


## How does the approach look like?





## How does the approach look like?



$$\text{Risk} = \frac{(\text{Hazard} * w_H) + (\text{Vulnerability} * w_V) + (\text{Exposure} * w_E)}{w_H + w_V + w_E}$$





**Benefits** for decision-making and adaptation policies



## Benefits for decision-making and adaptation policies

### Developing impact chains in a participatory manner helps:

- Understand the system, its interactions and HOW and WHY something changes
- Realize climate variability and change are not the only drivers of risk
- Learn how climate change effects development and how risk can be reduced – sometimes more important than results of an assessment

### Example:

- Understanding the interdependencies between sectors lead to the realization in Thailand how necessary cooperation between sectors is
- “The path is the goal”



## Benefits for decision-making and adaptation policies

### Involvement increases acceptance and use of results:

- Results often used for political purpose
- “Uncomfortable” results better used when underlying approach is understood
- Involvement as a basis for legitimization and (costly) adaptation measures

### Example:

- Basin Water Board Officer in Tanzania wanted risk assessment to argue for big infrastructure and additional finance
- Results demonstrated small and medium size measures may be effective
- Participation (“buy-in”) and ownership ensured use of results

Thank you very much for your attention!



The Vulnerability Sourcebook & Risk Supplement are available at:

**AdaptationCommunity.net**



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