

# DAS WISSENSCHAFTSNETZWERK KAHR: KLIMA, ANPASSUNG, HOCHWASSER, RESILIENZ - WIE DIE WISSENSCHAFT HELFE KANN

Bert Droste-Franke

4th Remembrance Day of the Ahr Flood, Niederzissen, 3.7.25

**IQIB** Institut für qualifizierende  
Innovationsforschung und -beratung

IQIB ist eine Tochtergesellschaft des Deutschen Zentrums für Luft- und Raumfahrt e. V.



07.07.25

# CLIMATE ADAPTATION, FLOOD, RESILIENCE (KAHR)



- Funding Ministry: Federal Ministry of education and research
- Project duration/partners: 11/21 – 12/24, 13 partners from all over Germany
- Focus regions: Rhineland-Palatinate (Ahr Valley) and North Rhine-Westphalia
  - Gaining knowledge through scientific processing of the flood disaster
  - Investigation and systematization of precautionary strategies
  - Practical provision of new findings for the regions and stakeholders
- KAHR and the IQIB (Project Office for RLP) bring renowned scientific expertise to the Ahr Valley.

Projekt-Konsortium KAHR:



Institut für Raumordnung und Entwicklungsplanung Universität Stuttgart



Rheinland-Pfälzische Technische Universität Kaiserslautern



DLR Projektträger



gefördert durch das Bundesministerium für Bildung und Forschung

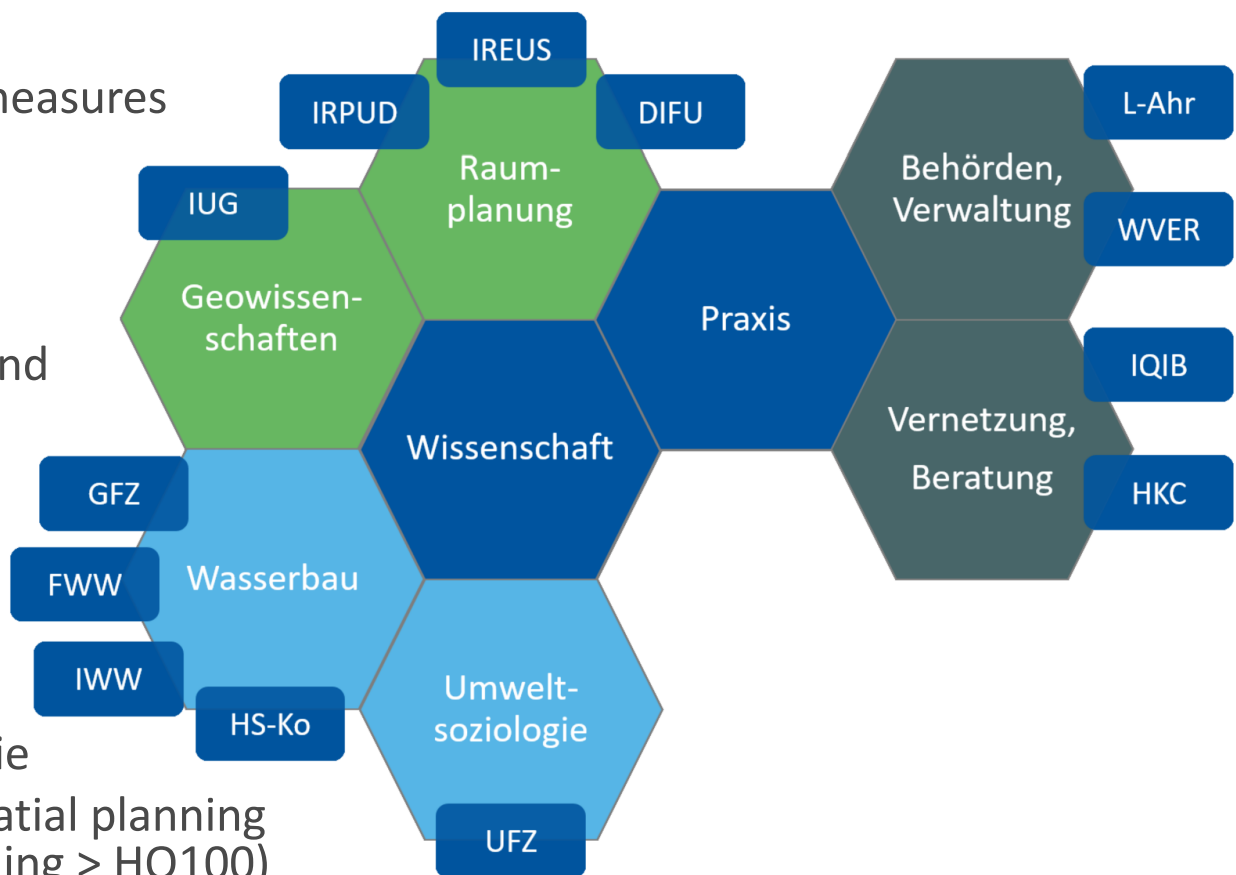
# PROJEKTAUFBAU KAHR

## Cluster 1 – Flood risk analyses

- Evaluation of flood protection measures (modelling)
- Estimation of influence of land use, bridges, sediments and flotsam on flood events
- Preparation of meteorological and climate change projections

## Cluster 2 – Spatial risk management

- Actors, needs and damage analysis
- Analyses of vulnerabilites and worthiness of protection
- Evaluation of protection strategie
- Strenthening of resilience by spatial planning and building precautions (including > HQ100)



# TASKS OF THE RLP PROJECT OFFICE IN KAHR

- **Project office** in Bad Neuenahr-Ahrweiler - contact point in the Ahr valley
- Coordination and communication of network activities as an **interface** between science and regional stakeholders
- Internal **knowledge management**
- **Targeted transfer** of current research results from the network partners to the region
- **Networking**, communication and organization of participation formats in the Ahr valley
- Forward-looking, sustainable and climate-resilient reconstruction and transferability of results to **other regions**

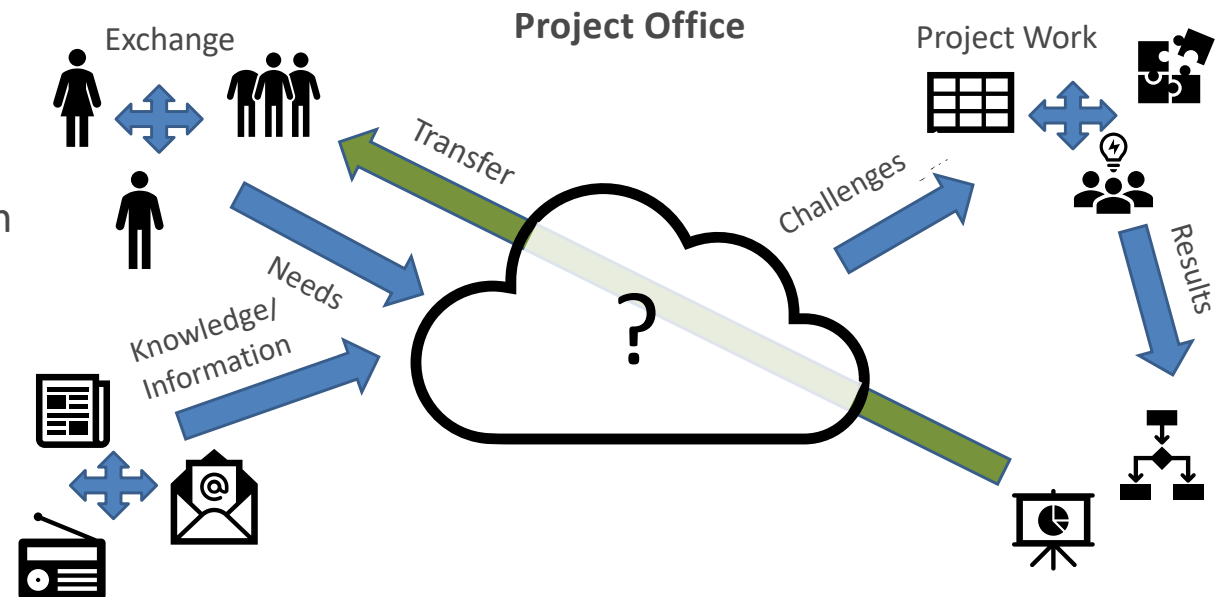
## Projektbüro RLP

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# Funnel of transfer tools

## 1. Structurised products:

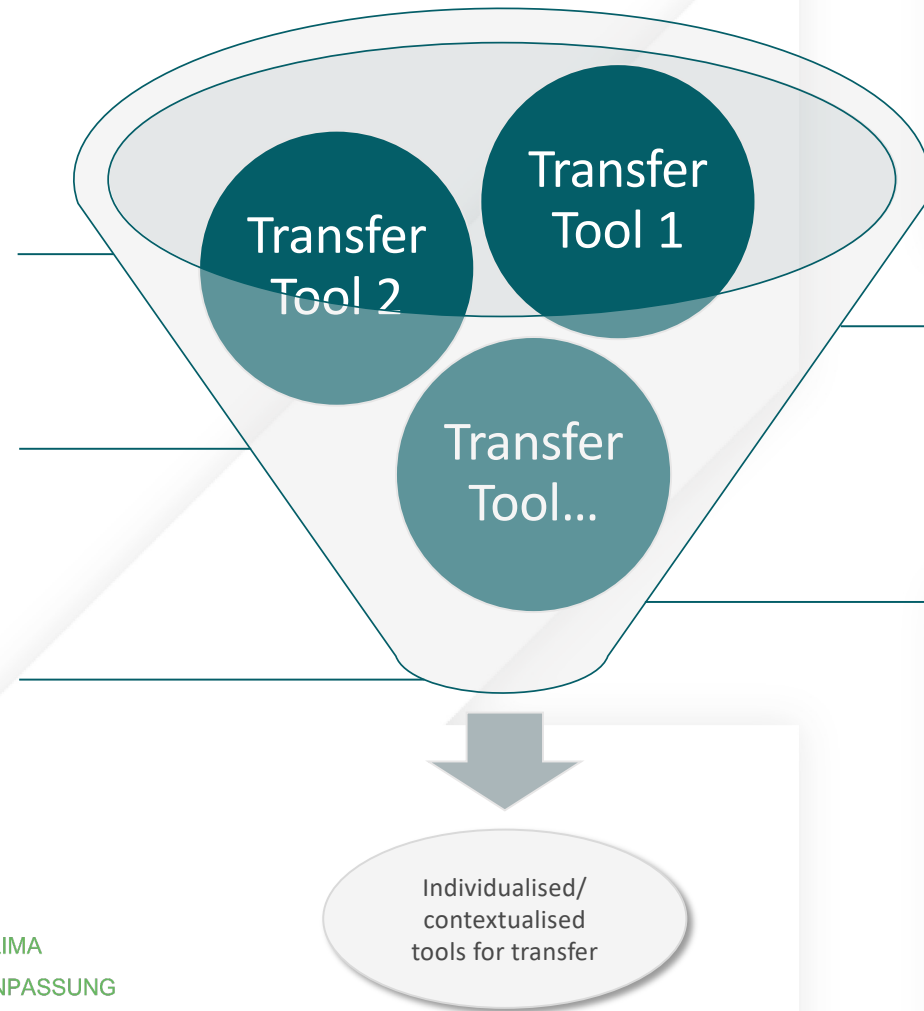
- Communication
- Skills transfer
- Scientific services
- Events

## 2. Target group:

- Society
- Administration
- Politics
- Economics
- Science

## 3. Thematical context:

- Climate protection
- Crisis prevention
- Risk management
- Application level



## 4. Need for support:

- Generalisability, scalability, fit for target groups
- Product type: Hardware, Software, Information...
- Existing networks usable for dissemination?
- Consolidation effort

## 5. Generalised impact goals:

- Mission flood-resilient region
- Sustainable development of a regional innovation landscape
- Securing regional jobs and value creation

# KAHR Transfer-Radar

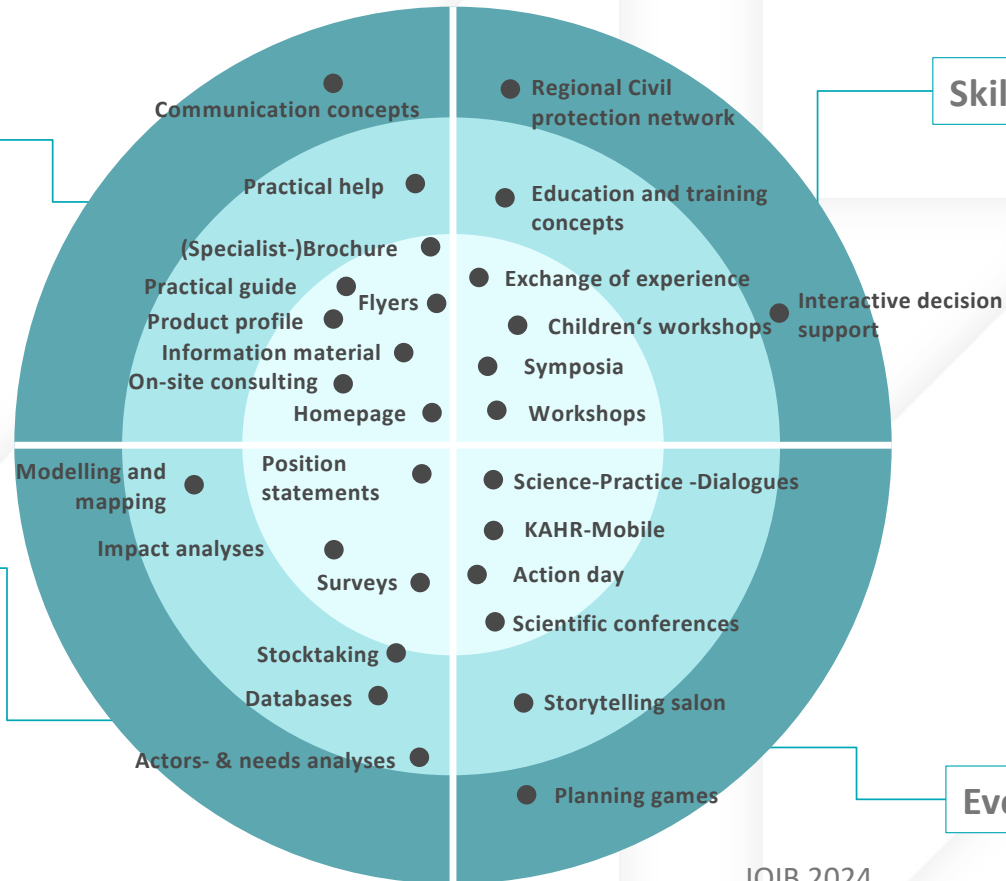
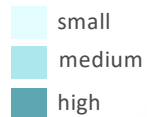
## Communication

## Skills Transfer

## Scientific Services

## Events

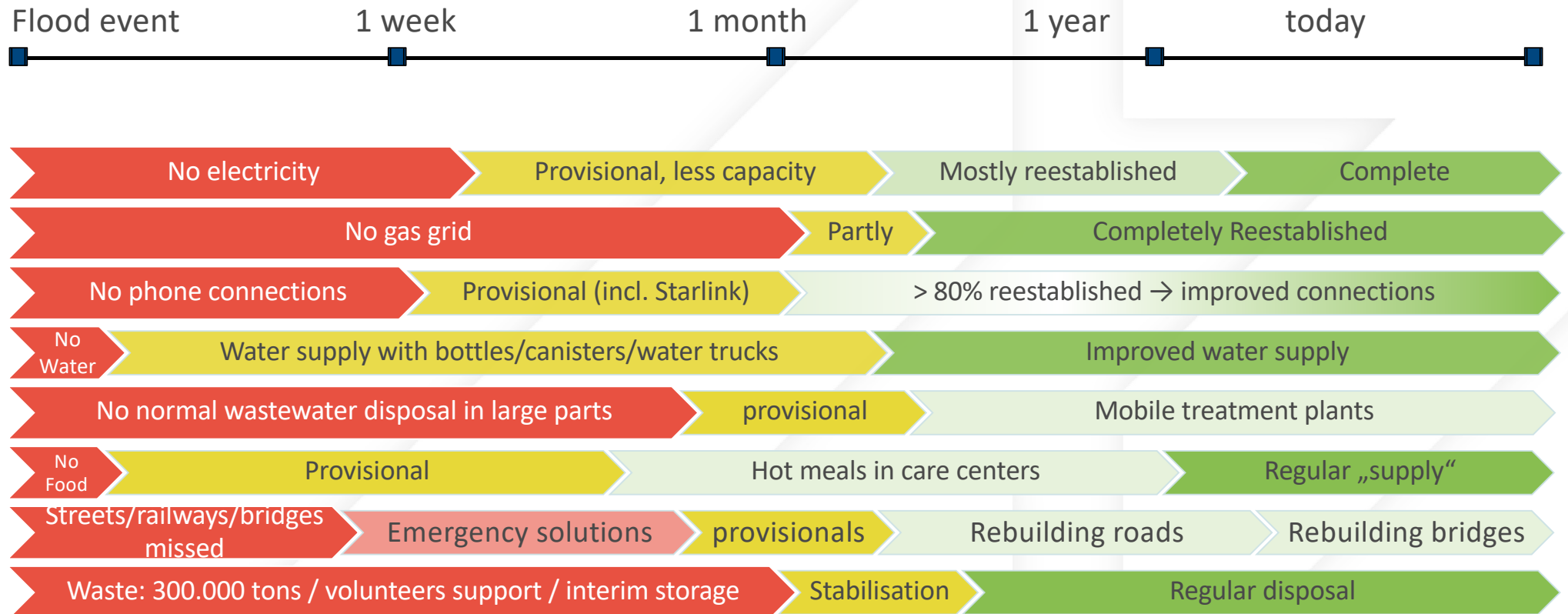
Transfer effort



IQIB 2024



# Timelines for rebuilding some critical infrastructure



# Your contact



Dr. Bert Droste-Franke

Leiter Systemevaluation  
& gesellschaftliche  
Zukunftsfähigkeit



Gefördert durch:



aufgrund eines Beschlusses  
des Deutschen Bundestages

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GEFÖRDERT VOM



**Innovationsgruppen  
Nachhaltiges Landmanagement**