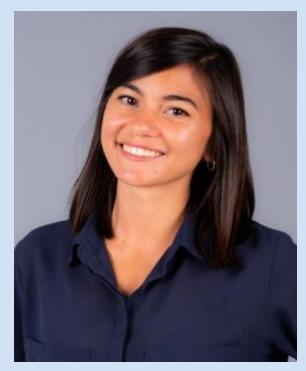
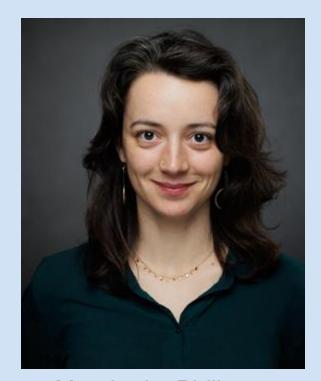


Team Bibliotechies



Erika Gutierrez



Margherita Philipp

Why Floods

> 5000 lives lost annually

\$30-40bn economic losses

Long-term **hidden costs**



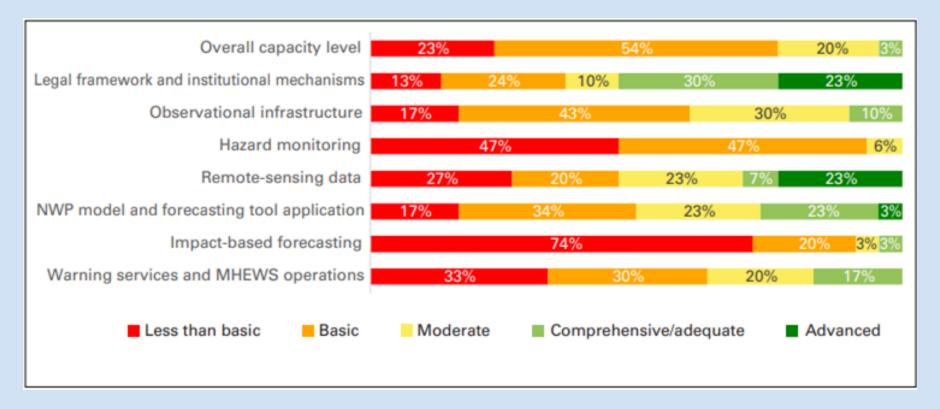


Best-possible preparation

Optimized response

Minimized impact

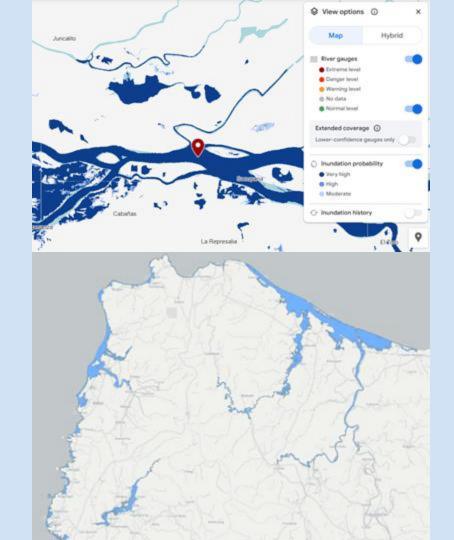
Insufficient Impact Estimates



Source: E4All (WMO, 2023)

Flood Hazard Forecasting

- Global Flood Awareness
 System (GloFAS)
- SMHI CEMS (ECMWF, JRC)
- GEO
- Google Flood Hub
- DHI
- Today's Earth
- NASA
- Deltares



Impact Modelling



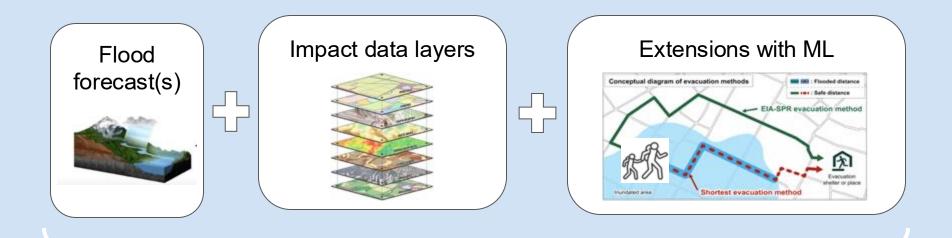


Impact data layers:

- Population
- Road network
- Potential evacuation centres
- Key infrastructure (hospitals)

More nuanced warnings
More effective evacuation

Potential Extension

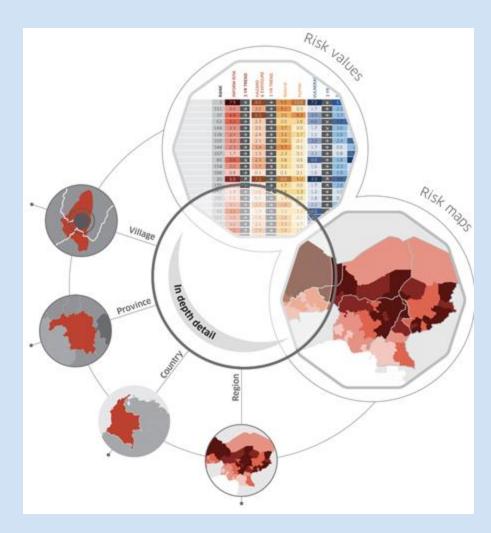


More nuanced warnings
More effective evacuation

Adaptations with Better Data

Subnational INFORM information

- ☐ Hazard & Exposure
- □ Vulnerability
- ☐ Lack of coping capacity X



Next Steps

- Access current and historical flood forecasts
- Combine data layers
- Identify region(s) for a POC
 - Regular flooding
 - Intervention data
- Identify partners
 - Team and resources
 - Simulations and experiments
 - Computing power & data storage

