



Jakarta Climate Adaptation Tools

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Selamat datang!



Historical floods



Floods of 1855: Gelderland (NL)

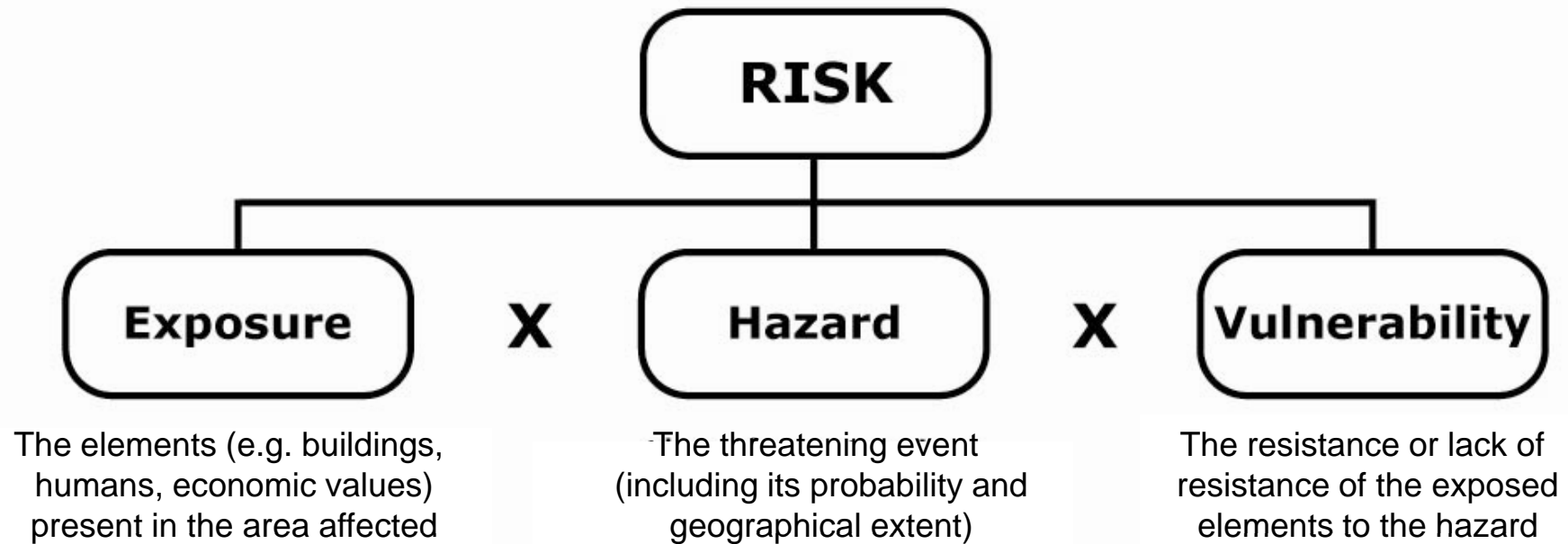


Watersnoodramp (NL): 1953

Traditional flood management



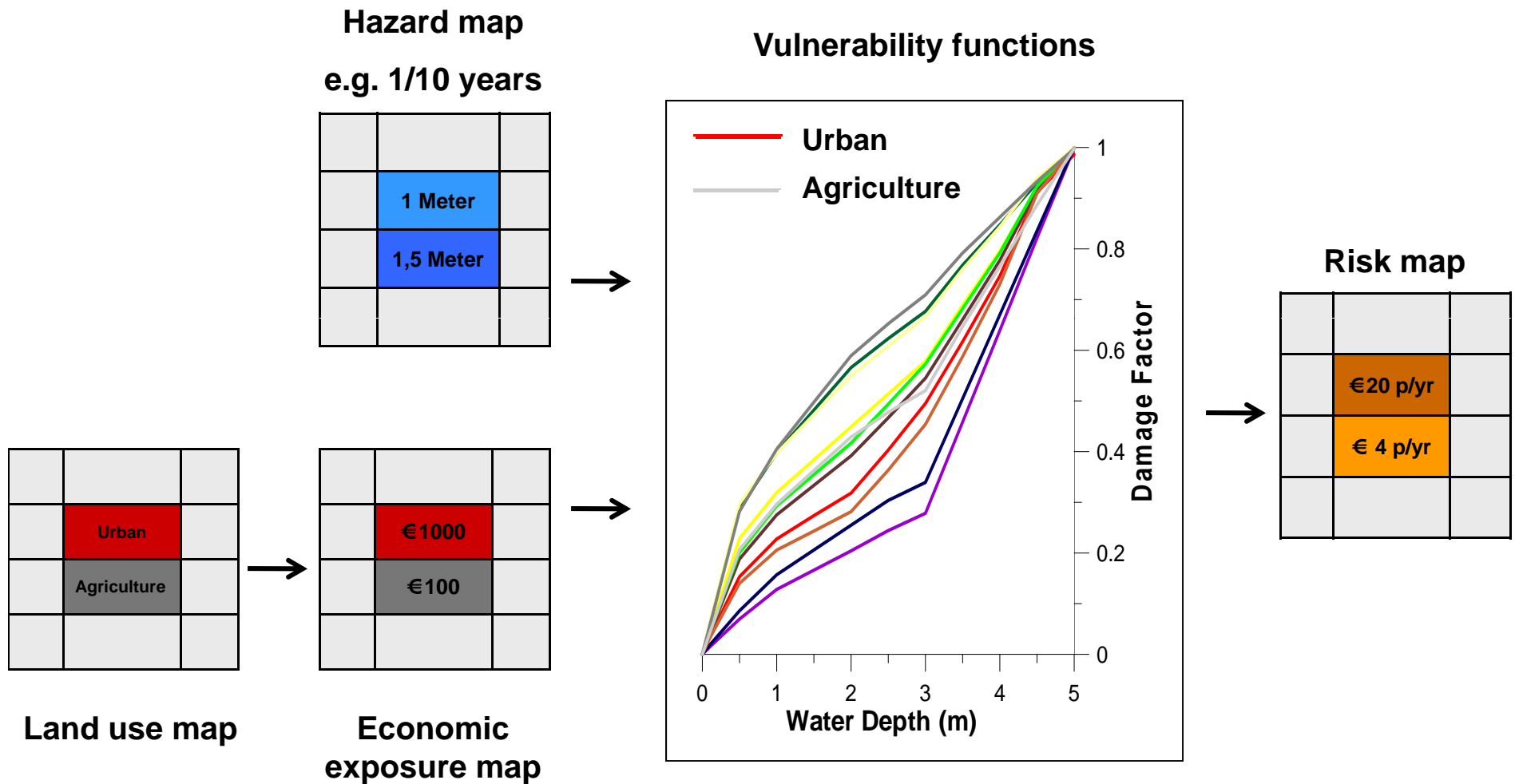
Flood risk management



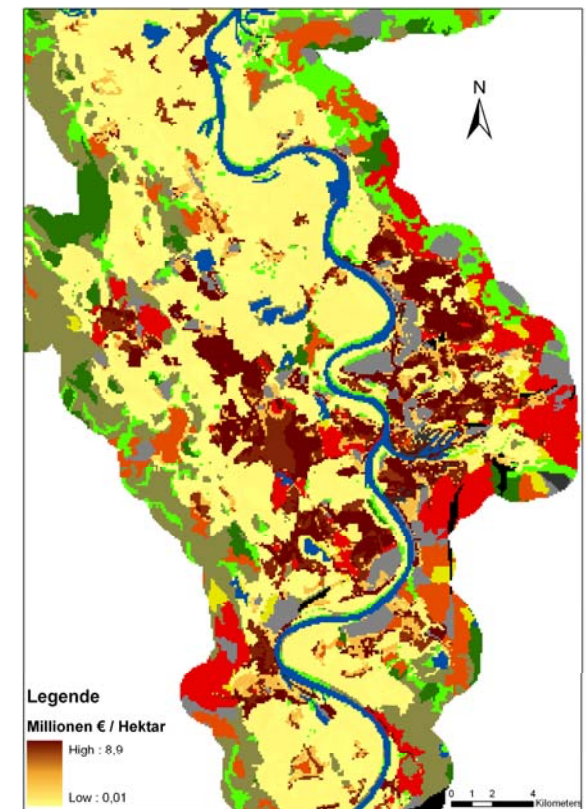
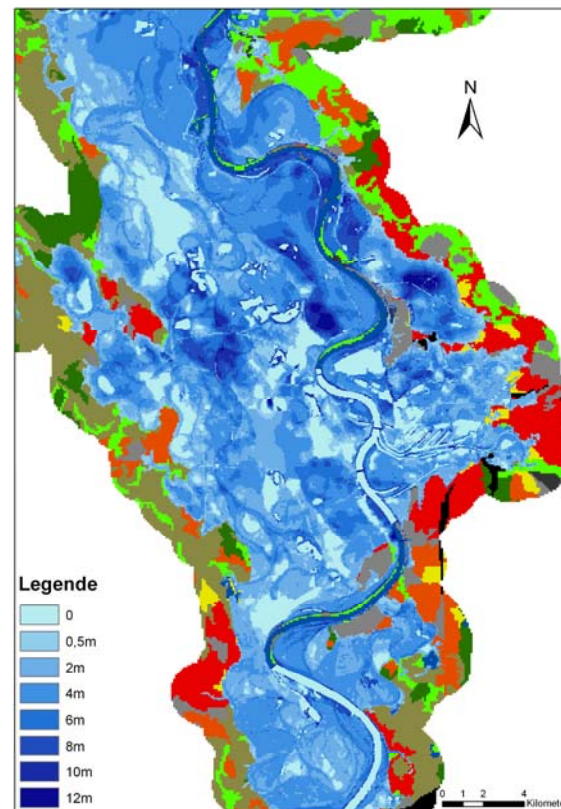
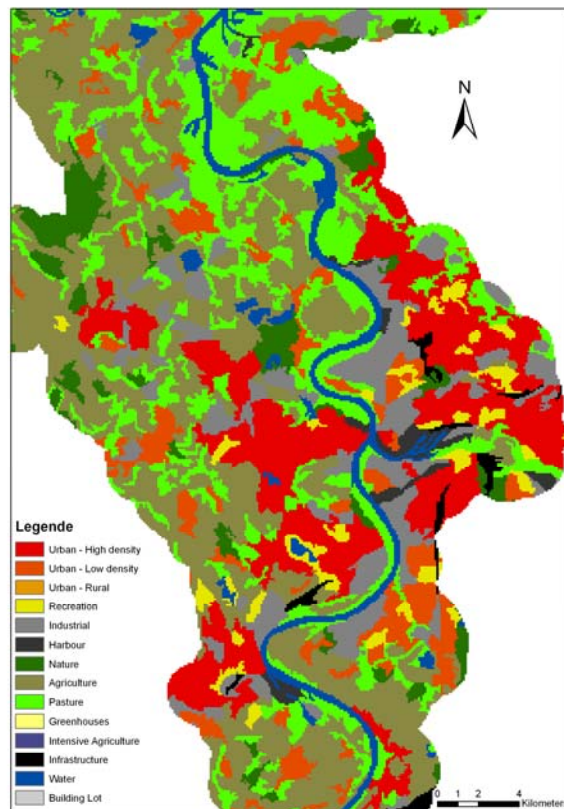
Flood risk management



Risk estimation



Example: Rhine section



Flood risk reduction: examples



Jakarta Climate Adaptation Tools (JCAT)



DeltA Alliance

JCAT: setup

- **Project definition phase: 2010 – 2011**
 - 2 missions
 - 1 workshop hosted by LIPI/Delta Alliance Indonesia Wing
 - Setting up alliances
 - Scoping of problem
 - Developing research question and framework
 - Embedding research in Jakarta projects and policy-making

JCAT: setup

- **Project research phase: 2011 – 2014**
 - **Funding:** Knowledge for Climate & Delta Alliance
 - **Timeframe:** 2011-2014
- **Strive for close cooperation with ongoing projects and processes**
- **2 PhD candidates – 2 research themes**

JCAT: setup

Research theme 1 – Yus Budiyo

UGM Yogyakarta and VU University Amsterdam

- to develop methods to assess the impacts of climate change and other changes on flood risk in Jakarta, and to use these to assess the impacts of various adaptation measures on flood risk

Research theme 2 – Pini Wijayanti

IPB Bogor and WUR Wageningen

- to assess the economic costs and benefits of alternative options for adaptation to climate change for Jakarta

Terima kasih!

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