

FLOODLABEL: A SMART TOOL FOR GOVERNANCE TOWARDS FLOOD- RESILIENT CITIES

ENSUF Midterm Meeting

Overview

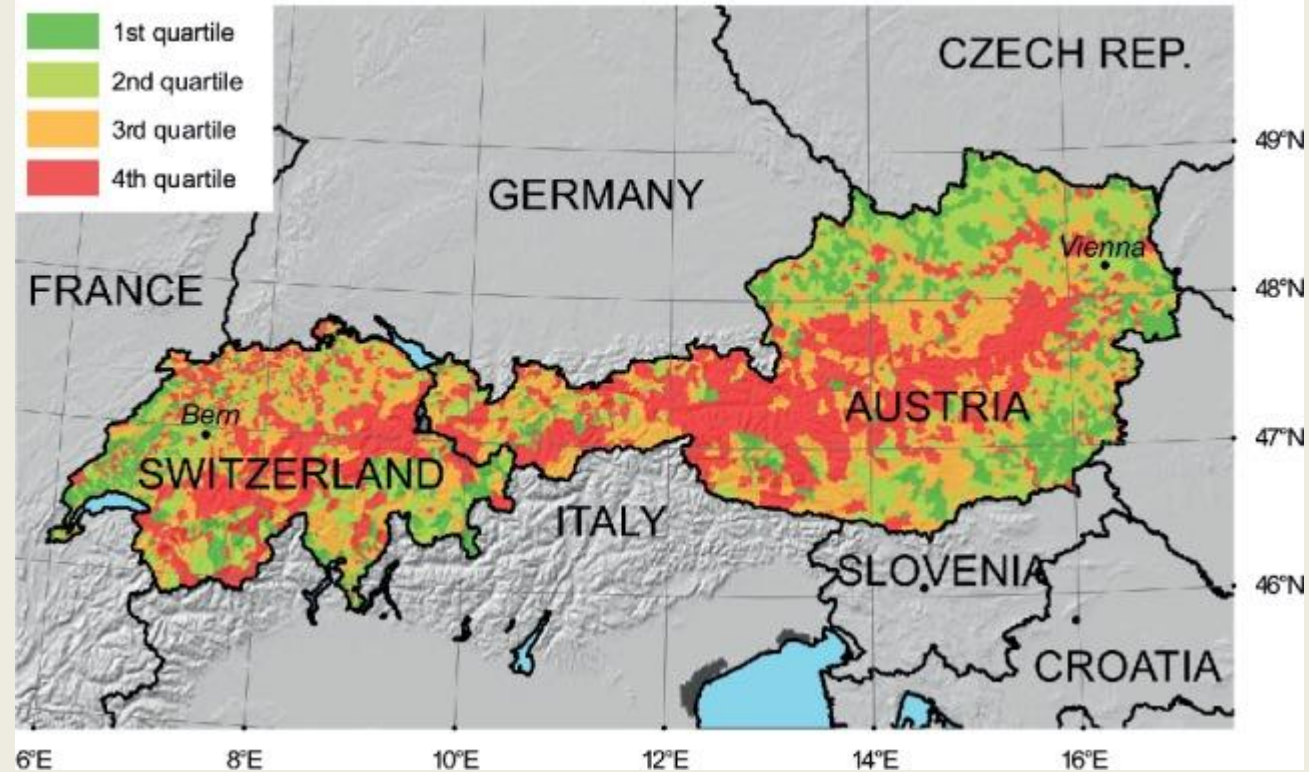
- Started in April 2017 (runs until March 2020)
- Partners: University of Utrecht, University of Ghent, University of Natural Resources and Life Sciences, Nelen & Schuurmans, German Flood Competence Centre, Flanders Environmental Agency

Aim

- To design, test and implement a smart governance tool, the FLOODLABEL, in urban living labs.
- The prototype tool serves to inform homeowners about their individual flood risks and to support the planning and decision-making of experts and local governments to achieve more flood-resilient cities.

Residential buildings exposed to floods

Community level



© Fuchs et al. (2017): Natural hazard management from a co-evolutionary perspective: exposure and policy response in the European Alps. *Annals of the American Association of Geographers* 107 (2). p. 382-392

First results

- Legal side:
 - *Inviolable property rights; privilege of arbitrariness*
 - *Limiting factors in constitutional law → denial or instruction of certain uses of the property*

- People side:
 - *Mismatch between a homeowner's flood risk perception and that of the flood experts*
 - *Communication between homeowners and experts is seen as sufficient*
 - *Role of coping appraisal*

First results (2)

- Communication side:
 - *Risk communication systems should include participatory approaches with experts to trigger adaptive behavior.*
 - *Important steps and questions*
 - Clear preferences for face-to-face
 - Who get the information and why?
 - Which information is needed?
 - Challenge between homeowner's flood risk perception and that of the flood experts

First conclusions

- One-size-fits-all approach is not suitable for informing homeowners on flood risk
- Existing mismatch goes beyond a juxtaposition of ‘the expert’ and the ‘layperson’
- Close cooperation of homeowners as well as innovative solutions are needed
- Challenges
 - *Urban Living Labs*
 - *Stakeholder engagement*
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