

# Swedish initiatives to promote research on DRR and implementation of research findings at the local level

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## National Platform's Influence

- An identified objective in the Swedish NP's Action Plan is "better coordination for the development and dissemination of knowledge, methods and data for DRR"
- National platforms need to interface with research on a regular basis.
- Several of the agencies in the NP have their own research programmes and conduct DRR research

## Cooperation with universities

- Several agencies in the national platform cooperate with universities concerning DRR.
- Municipalities are encouraged to participate in research project, reference groups or as end users
- Participation in EU projects

# MSB thematic research call for proposals 2011

**Natural hazards with negative consequences for the society in todays and tomorrows climate**



## Selected research projects

- **Tomas Germundsson**: Rising Sea Levels – the planning and design of an uncertain landscape
- **Anders Granström**: Impact of climate change on forest fire risk in Sweden. The current situation, risk model development and future scenarios





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## Selected research projects

- **Chen Deliang**: Future rainfall and flooding in Sweden: a framework to support climate-adaptation actions
- **Marius Tremblay**: Pore pressure response in the upper open aquifer during heavy rainfall
- **Jonas Olsson**: High-resolution precipitation forecasts for hydrological risk assessment: a new warning system





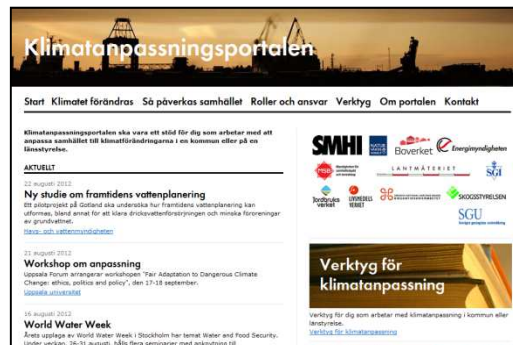
## Floodville - Model of Karlstad city centre

- How to protect critical infrastructure?
- Used at schools, seminars etc.
- Cooperation between University, museum, authorities



# Dissemination of research results

- Climate change adaptation portal
- Regular seminars and workshops with actors at local level, i.e.
  - “Forum for National Disaster research”,
  - Rossby Centre Day “From data to decisions”
- Use the UNISDR Making Cities Resilient Campaign to inform municipalities about research projects and their results and to engage them in future projects.





# How do cities use research results?

## Examples:

- Development of local risk maps and risk analysis
- Information to the public about early warning
- Research results can provide better information about prevention or preparedness for politicians and local decision-makers.



## DRR research's progress over time

- MSB meet with researchers at selected universities
- We finances DRR research
- We arrange research seminars together
- MSB are a member of universities' steering group for DRR research
- Universities are invited to participate in EU Disaster Prevention and UNISDR DRR international research seminars and the Global Platform
- Consider new goals for the future



## Conclusions - initiatives for DRR research

- Create opportunities for researchers to interface with other DRR actors
- Researchers can develop and test different DRR methods that can be used for national and local strategies
- Encourage municipalities to be active in DRR research projects
- Bottom-up approaches to research gives good results
- Aim for extensive dissemination of research results
- Continually identify gaps in knowledge about DRR and encourage new research