CLIMATE ADAPTATION STRATEGY AND RISK REDUCTION IN PRACTICE GUIDE FOR IMPLEMENTATION AT LOCAL LEVEL

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CCA in Norway



- Project 2007-2012
- Interministerial group
- Chair: Ministry of the Environment
- Secretariat: DSB



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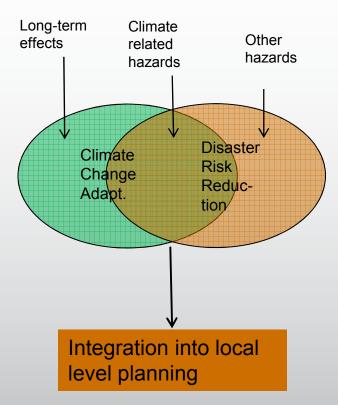


Main principles



Principles of:

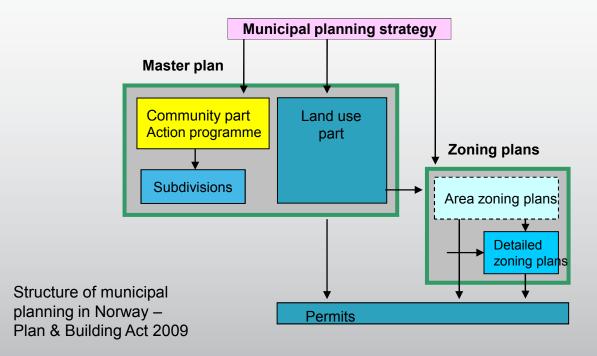
- Subsidiarity
- Similarity
- Responsibility
- Municipal level plays a key role
- Hyogo Framework for Action: 5 priorities







Ensure that disaster risk reduction is a national and local priority with a strong institutional basis



- Awareness
- Committment
- Involvement
- Integration





Identify, assess and monitor disaster risks and enhance early warning

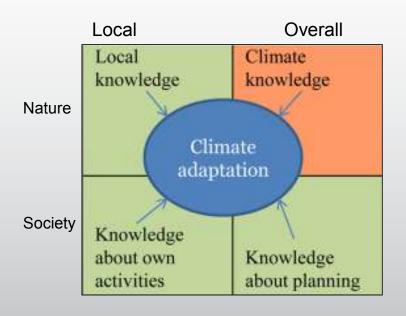
- Past experiences not sufficient
- •Climate projections: knowledge, but not answers
- •Vulnerability knowledge about society & systems
- •Sea level rise three step approach:
 - •Assess *current* vulnerability sea level & storm surges
 - •Add climate change impact visualizing *future* sea level & storm surges
 - •Define required measures based on technical safety standards (20, 200, 1000 years storm surge levels)

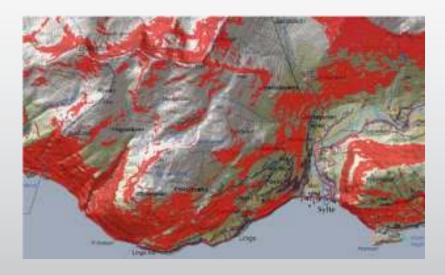






Use knowledge, innovation and education to build a culture of safety and resilience at all levels









Reduce the underlying risk factors

- •'Climate vulnerability' not caused by climate change
- Make use of existing planning tools, laws and legislation
 - •Plan and building act 2009
 - •Civil Protection and Civil Defence Act 2010
 - Technical Regulations 2010
- •What is urgent, what can wait?
 - Build on knowledge
 - Current climate: Define measures
 - •Future climate: Integration into plans







Strengthen disaster preparedness for effective response at all levels

- •Disaster preparedness should prepare for more frequent and more extreme weather events
- •Prepare for gradual, long-term changes as well as extreme events
- Increased vulnerability to other types of events







Suggested strategy for local level CCA

- Integrate climate change adaptation into planning processes
- 2. Risk identification: Assess climate vulnerability
- 3. Use available knowledge
- 4. Reduce factors that lead to higher climate vulnerability
- 5. Strengthen disaster preparedness and response



Based on Hyogo Framework for Action (2005)





Thank you!

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