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

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

Coordination & cooperation
Information and dissemination
Cities of the Future
Courses
International cooperation

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Main principles

Principles of:
- Subsidiarity
- Similarity
- Responsibility

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

Integration into local level planning
CCA according to HFA priority 1

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

- Awareness
- Commitment
- Involvement
- Integration

Structure of municipal planning in Norway – Plan & Building Act 2009
CCA according to HFA priority 2

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)
CCA according to HFA priority 3

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

Diagram showing:
- Local: Local knowledge, Climate adaptation, Knowledge about own activities, Knowledge about planning
- Overall: Climate knowledge

Nature and Society
CCA according to HFA priority 4

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
CCA according to HFA priority 5

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

1. 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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