

Directorate for Civil Protection - DSB



DSB in brief

National agency that:

- Monitors risk and vulnerability in society
- Plans for emergencies & manages crises
- Is responsible authority for:
 - Civil defence
 - Fire prevention, electrical safety
 - Dangerous substances
 - Regional & local risk management, incl:
 Natural hazard preparedness / Climate adaptation



Climate Change Adaptation - History

National Climate Adaptation Programme: 2007-2013

- A national coordination initiative led by MoEnv
- 13 ministries involved
- DSB was the secretariat
- Green Paper (2010) and White Paper (2013)
- In 2014: Coordination assigned to National Environment Agency
- Current topic: Urban runoff legislation

DSB – climate adaptation focus since 2006

- National coordinator from 2007-2013
- Coordinator of the Cities of the Future adaptation network from 2008-2014.
- Continued efforts within our domain

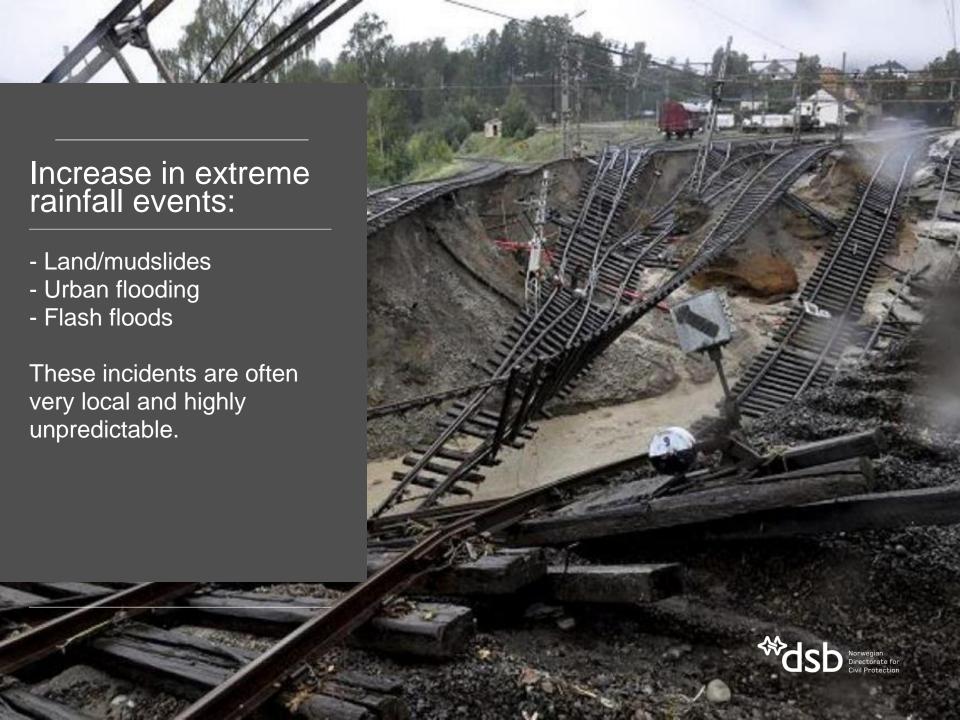


Climate Change Adaptation:

Adapting to what?
Who is/will be affected?
Who is responsible?
National vs. local roles?
Some examples







Snow is pretty! Too much can be deadly and dangerous.





Who is affected?

Infrastructure Energy & water resources Agriculture Forestry Fisheries **Biodiversity** Civil protection Human health Tourism Military Trade & geopolitics



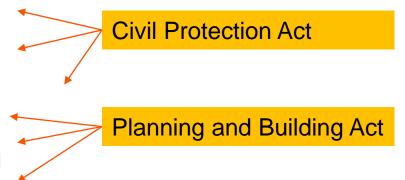


Local vs. national responsibilities

Each **sector ministry** responsible within own domain. Only few actual **policy instruments**:

Municipalities are responsible for:

- Overall planning
- Safety and well-being of their own citizens
- Avoiding development in areas exposed to risk
- Planning and development of critical infrastructure





Local empowerment – A pilot project

Cities of the Future (2008-14)

- 13 largest cities
- Modest financial support
- Energy efficiency, transport, waste management & CCA
- CCA coordinator at DSB
- Fruitful link between national & local levels





Skills and knowledge

- Courses
- Seminars, workshops, etc
- Study tours

Cooperation

- Local, regional, national, international
- Insurance industry

Integration of CCA in

- Regulations
- Local and regional planning processes
- Risk and vulnerability assessments

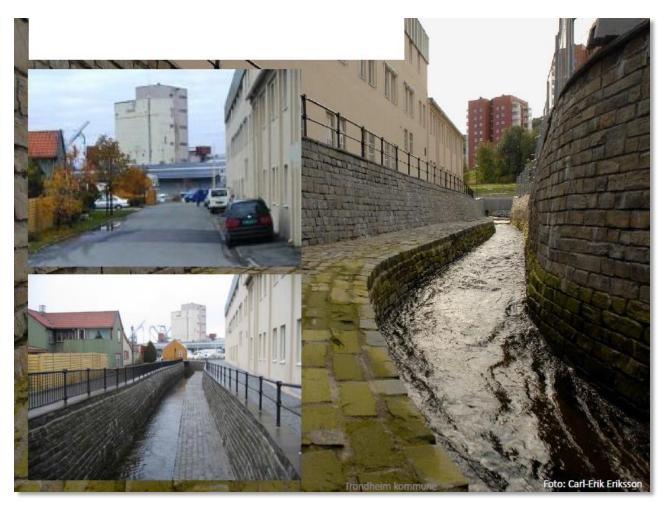
Pilots and demos







Restoring culverted watercourses







Rain gardens



Rain garden in an existing residential area in Trondheim





BLÅGRØNN FAKTOR Veileder byggesak

Blue and green factor

Transformation of Oslo's former airport

Surface water used as a resource

