



# NATIONAL RISK ASSESSMENT

Assessing risks or Shaping up Policies ?

**Second Scientific seminar on Disaster Risk Management,  
Science for Policy and Operations,  
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# Risk Assessment policies

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- OECD experience with G20/OECD Framework for Disaster Risk Assessment and Financing (2012)
- Recommendation on the governance of critical risks
- National case studies: Korea, Canada, US, on going cooperation with the European Commission



# National Risk Assessment: framing risk assessment for policy making

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- National Risk Assessment : fundamental pillar of a comprehensive DRM Strategy
- Core tool to ensure evidence based risk governance and management
- Bridge between science and policy
- Tool for structuring whole of government approach to risk assessment and management
- Major critical risks: interdependencies,
- Implications for financial strategies



# Analytical framework

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- Governance
- Risk Analysis
- Communicating results
- Main lessons learned and policy outcomes



# The Governance Framework

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- Aims and objectives
- Definitions of key terms
- Transparency and accountability
- Multi-level governance, multi-actor participation



# Risk Analysis

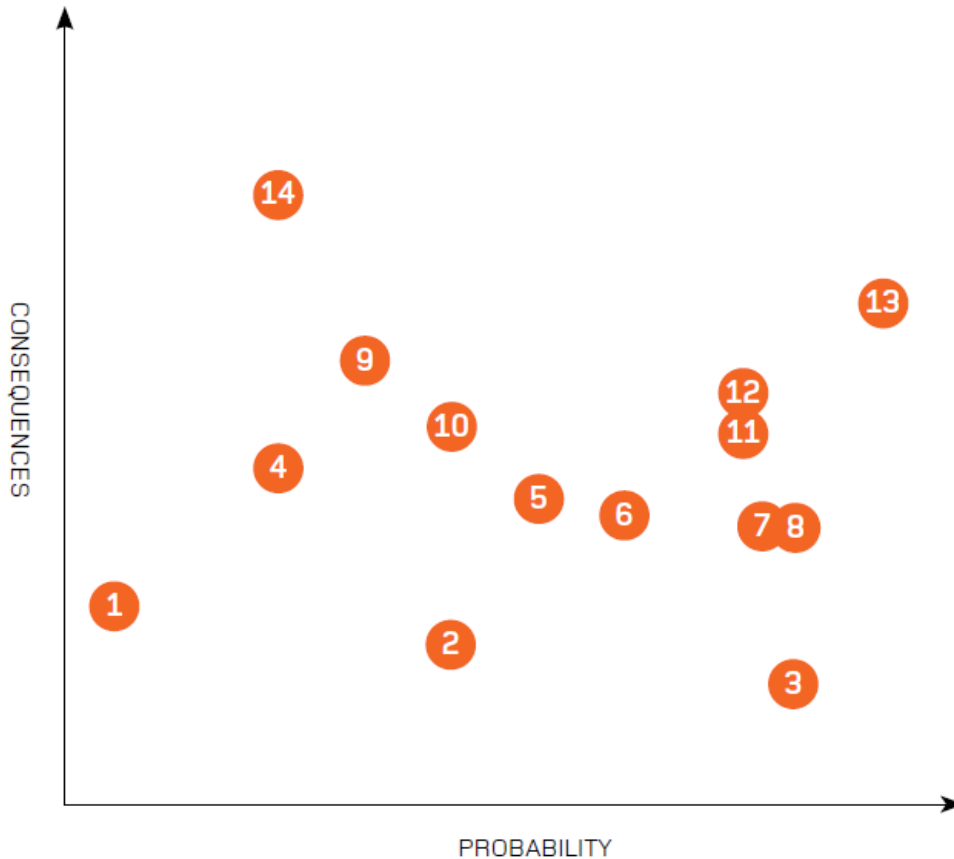
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- Scope
- Hazard identification and analysis
- Vulnerability and Impact analysis
- Likelihood and plausibility analysis
- Updating the National risk assessment



# Example, Risk Matrix for Norway

Scenarios placed in a risk matrix



## SCENARIOS PLACED IN A RISK MATRIX

1	Gas Emission from an Industrial Plant
2	Fire at an Oil Terminal in a City
3	Three Simultaneous Forest Fires
4	Oil and Gas Blowout on a Drilling Rig
5	Flooding in Eastern Norway
6	Long-Term Volcanic Eruption in Iceland
7	100-Year Solar Storm
8	Storm in Inner Oslo Fjord
9	Quick Clay Landslide in a City
10	Collision at Sea Off the Coast of Western Norway
11	Rockslide at Åkneset with an Advance Warning
12	Long-Term Power Rationing
13	Pandemic in Norway
14	Nuclear Accident at a Reprocessing Plant



# Communicating the results of NRA

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- Using NRA to raise awareness about risks
- Tools for interpreting risk analysis





# Main lessons and policy outcomes

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- Lesson learnt
- Benefits of NRA
- Limits/ Challenges in NRA
- Policy inputs and outcomes



# A scientific exercise or a foresight tool ?

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- Usefulness of sound empirical grounding
- Scenarios for framing the understanding of the risk environment: sense making
- Connections with foresight



# A tool for whole of government strategy setting

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- Coordinate awareness and capability building from a whole of government perspective
- Helps to shift towards a forward looking perspective and helps to focus investment in preparedness and prevention
- Potential and limits



Thank you

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