

## Swedish National Platform for Disaster Risk Reduction

### Aims of the presentation:

1. Understanding of the structure, goals, & activities of the Swedish National Platform for Disaster Risk Reduction
2. Examples of implementation of HFA
3. Questions and comments

## National Platforms for Disaster Risk Reduction in Southeastern Europe Workshop



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Pula, Croatia

## Swedish Civil Contingencies Agency (MSB)

The MSB is a new authority from 1 January 2009 responsible for all work related to public safety, emergency management, and civil defence

**X**

New Agency Replaced;

The Swedish Rescue Services Agency  
The Swedish Emergency Management Agency  
The National Board of Psychological Defence

## Natural Hazards and Disaster Events – in Sweden today



### Windstorms, winter storms, hurricanes

- Gudrun 2005 and Per 2007

### Flash floods and inundations

- Fulufjäll 1997, Hagfors 2004 and Ånn 2006
- Arvika and Lake Vänern 2000-2001
- Lagan 2004, Västra Götaland 2006-2007



### Landslides

- Göta älv/Tuve 1977
- Road E6 Munkedal 2006

### Forest fires

- Boden 2006
- Härjedalen 2008

### Snowstorms

- Gävle 1998



## Sweden facing climate change - threats and opportunities



- **Government Commissioned Committee** on "Climate Change and Vulnerability" was established 2005
- **Final report October 2007**
  - Downscaling from Global to Regional scenarios of Climate Change
  - Translated to English "Sweden facing climate change – threats and opportunities"
  - Is the Swedish guideline for action

<http://www.regeringen.se/sb/d/108/a/94595>

## Roads, railway other infrastructure robust

### Can be heavily affected by:

- Flooding
- Landslides
- Erosion
- Mud streams

### Leading to;

- Breakdown in telecom and power transmission
- Blackouts - power lines damaged by falling trees
- Dam failure
- Deteriorated water quality





## Risk Exposure and Organisation

Natural Hazard	Floods	Landslides	Forest Fires	Storms
Responsible level	Level 3-2-1	Level 3-2-1	Level 3-2-1	Level 3-2-1
Historic degree of Impact	Low -High	Low -High	Low -High	Low -High
Prediction System	Level 1	-	Level 1	Level 1
Vulnerability maps	Level 1 general Level 3 detaild	Level 1 general Level 3 detaild	No	No
Alert/warning	Level 1-3	Level 3	Level 1-3	Level 1
Response / rescue	Level 3-2-1	Level 3-2-1	Level 3-2-1	Level 3-2-1

Level 1= national, level 2=counties, level 3 municipalities

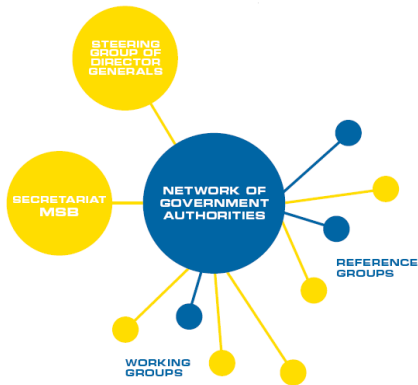
## Hyogo Framework for Action

### Priority 1:

**Ensure that disaster risk reduction is a national and local priority with a strong institutional basis for implementation.**

- *First national meeting Dec 2005*
- *2007 the SRSA received governmental commission to create a national platform*
- *NP set up September 2007*
- *MSB has from 2009 the legal responsibility to coordinate the platform*
- *Motivated by increased hazardous events*
- *Governmental agencies + representatives from county & municipal level*

## Building the Swedish National Platform



1. Created steering group & network with agencies that are responsible for disaster management
2. Steering group meets once a year & approves:
  - Membership
  - Action programme
  - Yearly activities
3. Agency network meets 5 times a year
  - Decides on a common programme and activities
4. Financed by each agency with an extra budget for the national Focal Point and secretariat at MSB (Swedish Civil Contingencies Agency)

## Cooperation in Sweden between Authorities Responsible for Disaster Management

**Civil Protection**  
Civil Contingencies Agency

**Land use planning**  
National Board of Housing, Planning & Building

**Environmental**  
National Land Survey  
Environmental Protection Agency

**Health**  
National Board of Health & Welfare  
National Food Administration

**International**  
International Development Cooperation Agency

**Geology, Hydrology, Meteorology**  
Geotechnical Institute  
Geological Survey  
Meteorological & Hydrological Institute

**Infrastructure**  
Road & Transportation Administration  
National Railroads  
Electric power authority  
Energy Agency

**County and Municipalities**  
Representatives for County Administrations  
Association of Local Authorities

## Natural Hazards in Sweden

Geological, seismic	Hydro-meteorological	Biological
<ul style="list-style-type: none"> <li>•Rock fall</li> <li>•Landslide</li> <li>•Erosion</li> <li>•Debris and mud flood</li> <li>•Earthquake</li> <li>•Tsunami</li> <li>•Volcano eruption,</li> </ul>	<ul style="list-style-type: none"> <li>•Flooding</li> <li>•Storm</li> <li>•Extreme precipitation</li> <li>•Thunder</li> <li>•Drought</li> <li>•Heat</li> <li>•Extreme cold</li> <li>•Wild land fire</li> <li>•Avalanche</li> <li>•Torrent</li> <li>•Dessert dissemination</li> </ul>	<ul style="list-style-type: none"> <li>•Epidemic</li> <li>•Zoonosis</li> <li>•Plant epidemic</li> <li>•Insects invasion</li> <li>•Plant pests</li> </ul>

\*Source: ISDR, Living with risk, 2004

## The operational ideas for Swedish National Platform



- To create** a safer Sweden by reducing the risks of natural disasters and enhancing society's ability to cope with them
- To be** an arena for cooperation between organizations and existing networks in order to boost the collective capacity of society's actors
- To support** the actors involved with basic data for decision-making at local, regional and national level



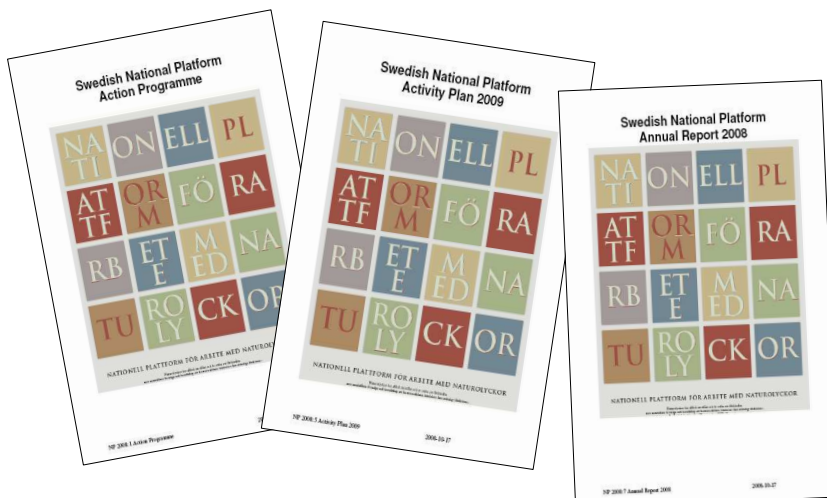
## Added Value of the National Platform



General Directors' Meeting 2007

1. Agency-based assures that DRR is a national priority backed by legislation
2. Several General Directors together are influential
3. Arena for cooperation
4. Easier to find gaps and identify priorities
5. Resources can be pooled

## Planning & Documenting the Work



## Maintaining and Improving

- Update the national action programme
- Agree upon yearly activities
- Follow-up on activities & write a yearly report describing the results
- Communicate the accomplishments
- Improve the goals and activities



## What should be improved?

- 1. Involve other stakeholders, public & research sectors**
- 2. Apply the available knowledge from research to improve disaster management**
- 3. Even better coordinated support to the municipal level**
- 4. Improved/more detailed data and landscape models**



## From reactive to proactive

- Shifting trend during the past 10 years in the field of Civil Protection - from a reactive to a proactive approach
- During past 5 years Disaster Risk Reduction (DRR) and natural disasters has been on the agenda through HFA and UNISDR
- During last 2 years the connection DRR – Climate adaptation has been visible
- Important to handle the whole civil protection cycle –  
*Prevention- Preparedness- Response- Recovery & Lessons learnt*

## HFA & EU Prevention Initiative

- **Hyogo Framework for Action - a good way in the right direction** where every country has their own way and responsibility to decide goals, actions and organization from their own steering mechanisms
- **EU Prevention initiative concentrates on the field of natural disasters** (+ man-made risks as Seveso)
- **Focus on preventing emergencies and disasters, to limit their consequences and to increase the individuals and societies emergency preparedness including information to the public.** A good example of this is the EU Floods Directive by which the EU can support systematic prevention work connected to climate change.
- Great value from ISDR and European commission lies in **facilitating and assisting with gaining political support, commitments at all levels, highlighting prevention, climate adaptation, sustainable development and aid policies.**

MSB Contingencies Agency

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## Disaster Prevention Workshop in the Stockholm Spirit

Thank you all for your contribution to discussions and outcome from the Disaster Prevention Workshop at Hasselbacken in Stockholm, Sweden, the 29th of July. Below in this page you will find presentations and reports from the three parallel working groups as well as the programme and the issue papers for each working group. We also hope to present to you useful links related to the substance in the discussions and to the field of disaster prevention. Once again – thank you for your contribution to the Stockholm Spirit!



[More pictures from the event](#)

**Programme and participants**

**The MSB & the EU presidency**

**10th IDER**  
International disaster and emergency resilience in Karlstad, Sweden, 20-21 October [Read More](#)

**EASCO9**  
EURO-ATLANTIC STAKEHOLDER CONFERENCE

[www.msbmyndigheten.se/prevention.se](http://www.msbmyndigheten.se/prevention.se)

MSB Swedish Civil Contingencies Agency

se2009.eu  
EU Disaster Prevention Workshop  
27-29 July 2009, Stockholm

## EU Prevention Workshop Outcome

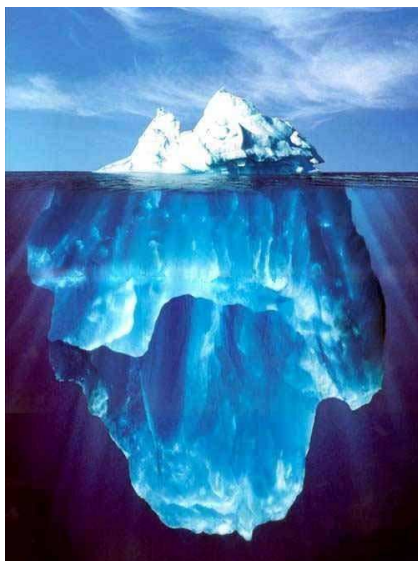
- Develop Community guidelines on hazard and risk mapping, assessments & analyses to ensure a better comparability between MS
- Exchange lessons learned, best practices, database information & definitions
- Include prevention in existing exercises, training programmes & university education & develop special training programmes on prevention taking into account climate change adaptation
- Improve the links between existing early warning systems & forecasts & information to the public
- Further integrate risk prevention into existing EU funding & develop an inventory of existing funding instruments supporting disaster prevention activities



**In a big picture,  
sometimes we  
forget the most  
important...**

**Reaction**

**Prevention**



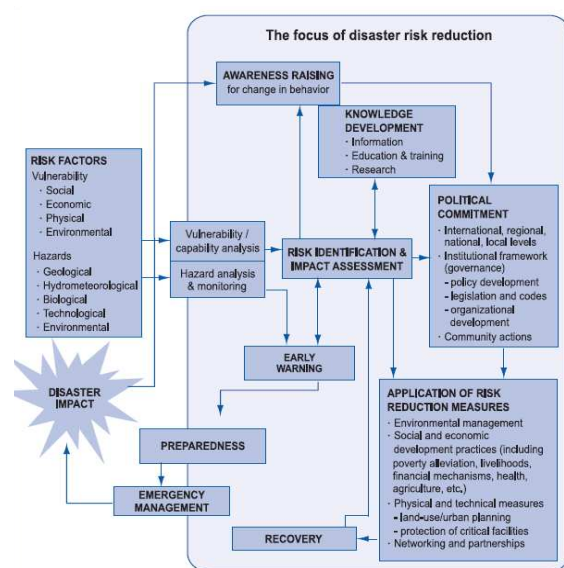
**Quite often,  
the most  
important things  
are the ones  
we are not  
able to see!**

## United Nation's Hyogo Framework for Action (HFA) for Disaster Risk Reduction

### Priority 2:

**Identify, assess and monitor disaster risks and enhance early warning**

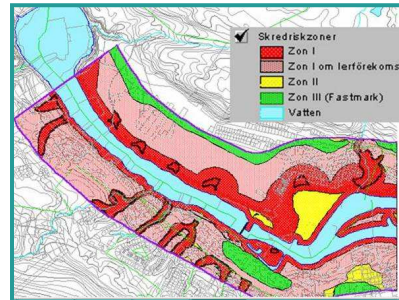
## Conceptual Framework for Disaster Reduction



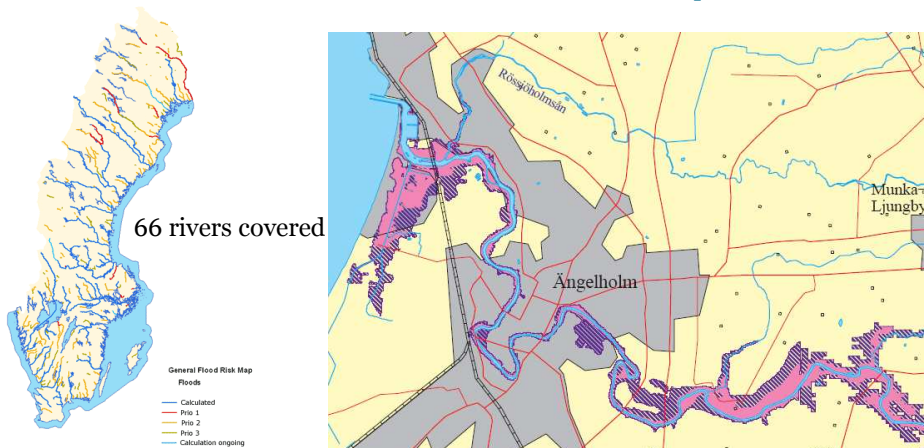
From: "Words in Action: A Guide for Implementing the HFA", ISDR, 2007

## Preventing natural disasters through risk inventory and assessment

- General stability maps
- General flood inundation maps
- Governmental subsidies for preventive measures towards landslides and floodings
- River coordination groups



## General Flood Inundation Map



### **HFA Priority 3:**

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

- Overview of research that has been done
- Identify the need for more knowledge
- Lessons learned from disasters
- Database on natural disasters
- Access to research results
- Dissemination of research findings

### **HFA Priority 3:**

#### **...Education to build a culture of safety and resilience at all levels.**

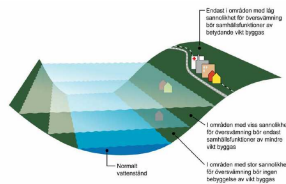
- Risk management is a part of the rescue services training for municipalities (after gymnasium)
- College level programs on risk management exist
- Master's Program in Disaster Management at Lund University and University of Copenhagen
- Increase public awareness about risks and the roll they can play during all the phases of an emergency.
- Integrate lessons-learned from national and international emergencies

## HFA Priority 4:

### Reduce the Underlying risk factors

- Follow building codes for safe structures
- Oppose proposals for development in risk zones
- Reduce the vulnerability of critical infrastructure
- Adapt to the changing climate - mitigate

Prevention  
Prevention



Mitigation  
Mitigation

## Reducing the Consequences- Mitigation





## Priority 5:

### Strengthen disaster preparedness for effective response at all levels

Storm Gudrun, January 2005



*Support under operations*  
*Support under operations*

Municipal	Responsible for prevention, preparedness & response
County	Support local level and can "take over" responsibility for response
National	Support with training, exercises, materiel support from national level (flood barriers, forest fires modules)
European/International	Resources from other EU countries MIC

## International Assistance

Cooperation with EU & UN agencies:

- Humanitarian Response
- Disaster Risk Reduction
- Early Recovery





## International Efforts for DRR

### Support to national disaster management agencies

- Strengthening of Search and Rescue Capacity (Pakistan, Tadzjikistan)
- Development of alarm systems (Ukraine)
- Flood management (Serbia)



### Other efforts

- DRR policy development, risk mapping and contingency planning (West Africa, Red Cross Movement)
- Development of a regional DRR Course (South Eastern Europe, DPPI and CADRI)
- APELL workshop (Moldova)

## Contact

### Focal Point for HFA in Sweden

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