



Swedish Civil
Contingencies
Agency

MSB's roles, responsibilities, and interaction

Janet Edwards

Risk and Vulnerability Reduction Department

and

Åsa Fritzon

Research Department

*Making Cities Resilient International Exchange with
City of New Orleans and Louisiana State University*

26-28th of May, 2015

Gothenburg



Swedish Civil
Contingencies
Agency

Swedish Government objectives for safety and security

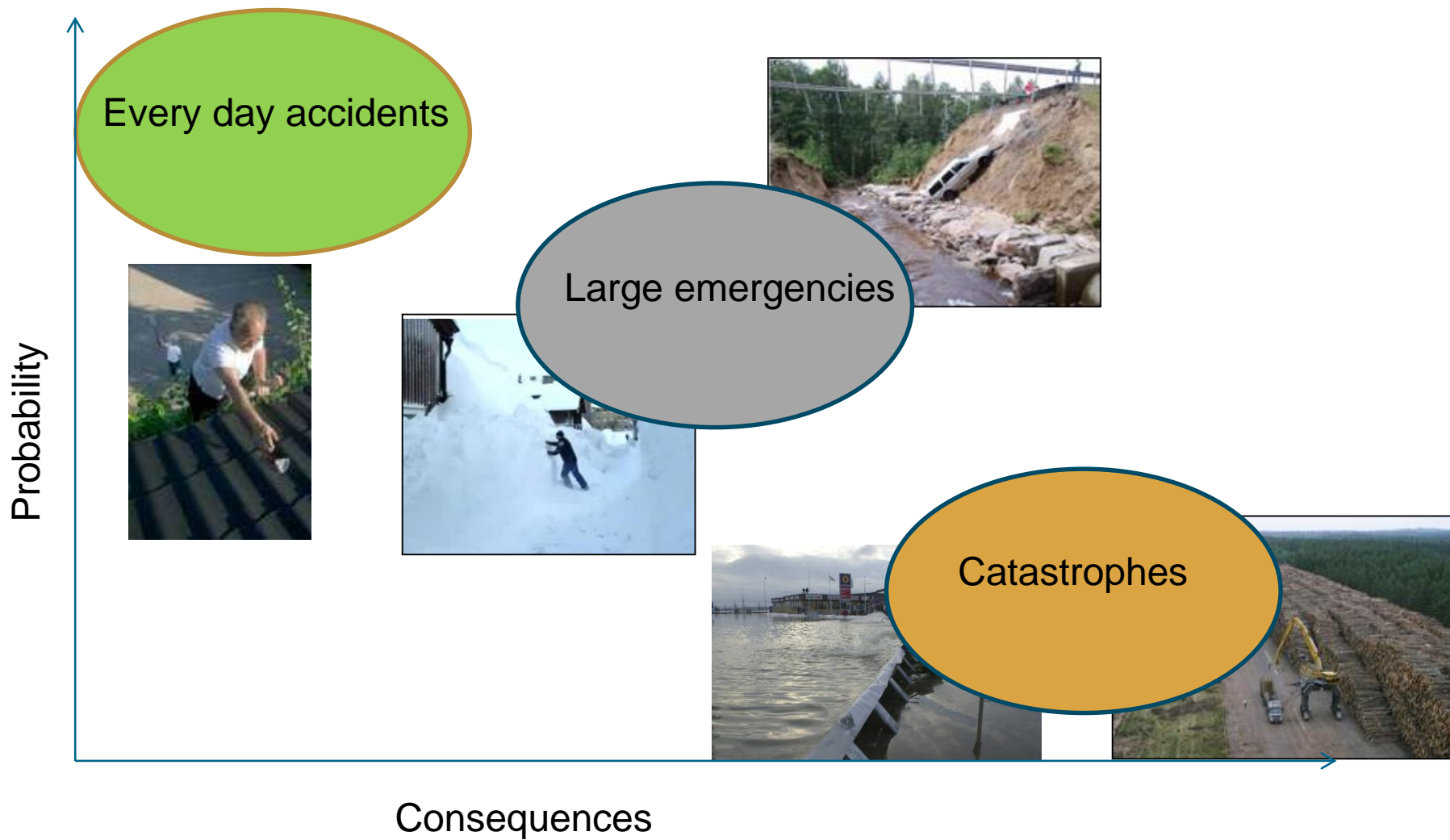
To protect:

- Life and health of the population,
- Functionality of society, and
- Our ability to maintain our fundamental values, such as democracy, law and order, human rights.



Swedish Civil
Contingencies
Agency

Range of Emergencies





Swedish Civil
Contingencies
Agency

Civil Contingencies

Falls

Drowning

Power cuts

Pandemics

Fires in buildings

Transport accidents

Incidents involving flammables and explosives

Large scale chemical emergencies

Landslides

Woodland fires

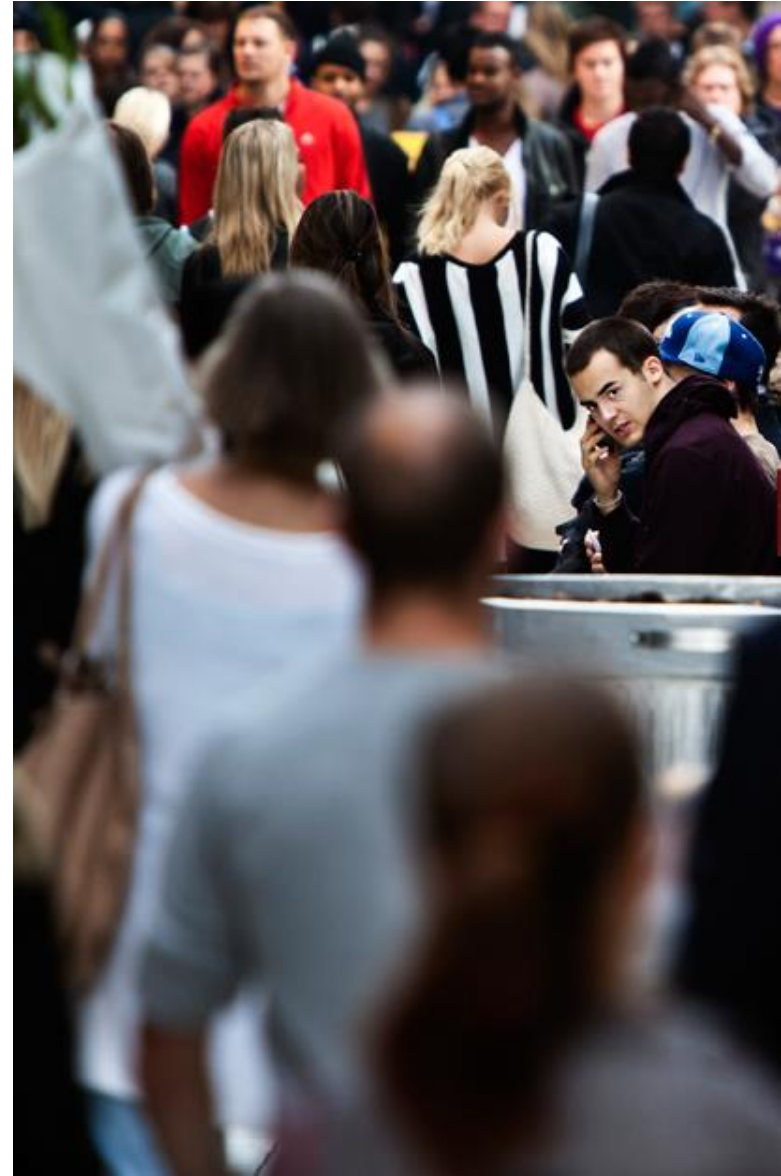
Storms

Flooding

Disruptions to vital societal functions

Attacks on IT

The unexpected





IT HAPPENS IN SWEDEN

In Sweden extreme weather and natural events have caused several serious emergencies and crises. Marked on the map are examples of events in recent years, which have led to damage and injury and to disruptions in society and to the lives of individual citizens.

- 1. Forest fire,**
Bodträskfors, Norrbotten,
August-September 2006
- 2. Spring flood,**
Norrland, April-May 2011
- 3. Storm Ivar,** Jämtland an
Härjedalen, December 2013
- 4. Forest fire,** Hassela,
Hälsingland, June 2008
- 5. Storm Dagmar,**
Southern Norrland,
December 2011
- 6. Torrential rain,** Söderhamn,
Hälsingland, July 2013
- 7. Torrential rain,** Hagfors,
Värmland, August 2004
- 8. Flooding,** Arvika, Värmland,
November-December 2000
- 9. Landslide,** Vagnhärad,
Södermanland, May 1997
- 10. Landslide,** Småröd – E6 main
road, Bohuslän, December 2006
- 11. Torrential rain,** Orust,
Bohuslän, August 2002
- 12. High watercourse levels,**
Western Sweden, December
2011
- 13. Torrential rain,** Jönköping,
Småland, July 2013
- 14. Storm Gudrun,**
Southern Sweden, January 2007
- 15. Storm Per,**
Southern Sweden, January 2005
- 16. Storm Simone,**
Southern Sweden, October 2013
- 17. Coastal erosion,**
Southern coastline, ongoing
- 18. Forest fire,**
Västmanland, July-Sept. 2014





Swedish Civil
Contingencies
Agency

Internal Audit

Management

Director general
Deputy director general

**Management
Support and
Strategic
Management**

Controller
EU coordination
Other support

**Administration
Department**

**Risk & Vulnerability
Reduction Department**

**Emergency Management
Development Department**

**Coordination & Operations
Department**

**Evaluation & Monitoring
Department**



Myndigheten för
samhällsskydd
och beredskap

3rd World Conference on Disaster Risk Reduction



14-18 March 2015, Sendai, Japan



ör



UN World Conference on
Disaster Risk Reduction
2015 Sendai Japan

FOUR PRIORITIES FOR ACTION AT THE LOCAL, NATIONAL, REGIONAL AND GLOBAL LEVELS

1. Understanding disaster risk
2. Strengthening disaster risk governance to manage disaster risk
3. Investing in disaster risk reduction for resilience
4. Enhancing disaster preparedness for effective response, and to “Build Back Better” in recovery, rehabilitation and reconstruction



Sendai's New 10 Essentials

1. Organise for disaster resilience
2. Identify, understand and use current and future risk scenarios
3. Strengthen financial capacity for resilience
4. Pursue resilient urban development and design
5. Safeguard natural buffers to enhance the protective functions offered by natural ecosystems
6. Strengthen institutional capacity for resilience
7. Understand and strengthen societal capacity for resilience
8. Increase infrastructure resilience
9. Ensure effective disaster response
10. Expedite recovery and build back better





10 Swedish Cities in the Campaign

1. Gothenburg
2. Malmö
3. Karlstad
4. Kristianstad
5. Jönköping
6. Arvika
7. Vellinge
8. Jokkmokk
9. Ängelholm
10. Vansbro





Swedish Civil
Contingencies
Agency

Swedish legislation

Civil Protection *Civil Protection Act*
2003:778

Civil protection for the whole country

Emergency response

Municipal action plans for prevention and mitigation

Crisis management *Act on municipal and county council measures prior to and during extra ordinary events in peacetime and during periods of heightened alert 2006: 544*

Risk and vulnerability assessments at national, county and local levels

Crisis management systems plans at county and local level in peacetime.

Rules for heightened alert (risk for war).



Swedish Civil
Contingencies
Agency

Swedish legislation (continued)

Crisis management <i>Emergency Management and Heightened Alert Ordinance 2006:942</i>	Appropriated 2:4 funds for crisis preparedness action
Environment <i>Environmental Code 1998</i>	Environmental impact assessment
Land use planning <i>Planning and Building Act 2010</i>	Building codes and consideration of flood risk and erosion risk



Swedish Civil
Contingencies
Agency



Government Appropriations

Climate Change (*Proposition 1:10 Climate Change Adaptation 2014*)
Gov. Dept. of Environment

- MSB, Dept. of Justice : Funds can be used for risk maps, consequence analyses, risk management plans
- Swedish Geotechnical Institute: Landslide, slope failure, erosion risk maps
- Swedish Land Survey Office: elevation data and digital maps
- Swedish Meteorological and Hydrological Institute: Knowledge enhancement
- County: coordination with local authorities



Swedish Civil
Contingencies
Agency

Fundamental principles for emergency preparedness

- Responsibility
- Equality / Conformity
- Proximity



*Specified in the Emergency Management
and Heightened Alert Ordinance 2006:942*



Swedish Civil
Contingencies
Agency

Local Level Crisis Management

An incident or emergency always happens in some municipality.





Swedish Civil
Contingencies
Agency

Level of responsibility in case of emergencies

Municipal 290	risk inventory and analysis, prevention, preparedness & response (first responders), education and training, land use planning, climate change adaptation, building permits, environmental protection, civil protection, social welfare, lessons learned
County 21	Support and supervision of local level and can "take over" responsibility for response
National	Support with training, exercises, materiel support from national level (flood barriers, forest fires modules). Finance research and development of methods and technology
European/ International	Resources from neighbouring countries and other EU countries - MIC and NATO/EARDRCC





Swedish Civil
Contingencies
Agency

European Union Action



EU Floods
Directive



EU Critical
Infrastructure
Protection
Directive



EU Civil
Protection Act
includes
Disaster
Prevention



EU Climate
Change
Adaptation
Strategy

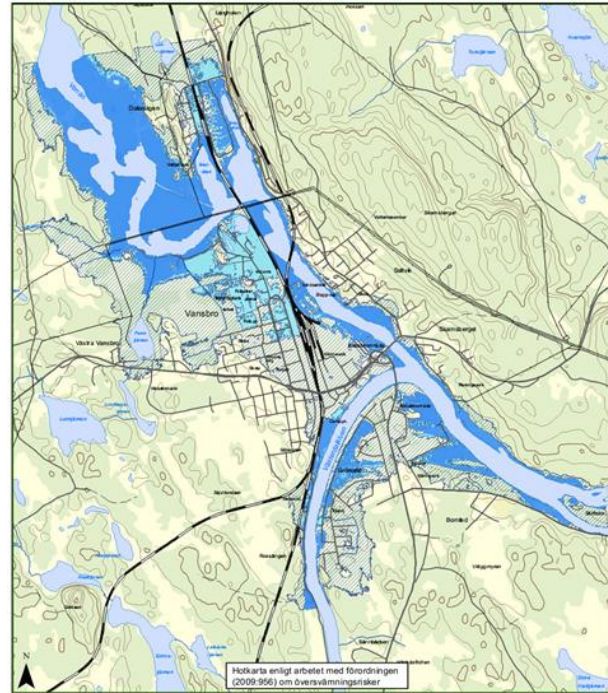




EU Floods Directive

18 areas identified in
Sweden

- Human life and health
- Environmental impact
- Cultural heritage
- Economic activity





Swedish Civil
Contingencies
Agency

More European Union Action



EU Seveso Directive
(Safety at industrial
plants)



EU Information
Security



EU
CBRN





Swedish Civil
Contingencies
Agency



DG ECHO

European Union's Disaster Management

Prevention is part of the EU Civil Protection Act

National Risk Assessments

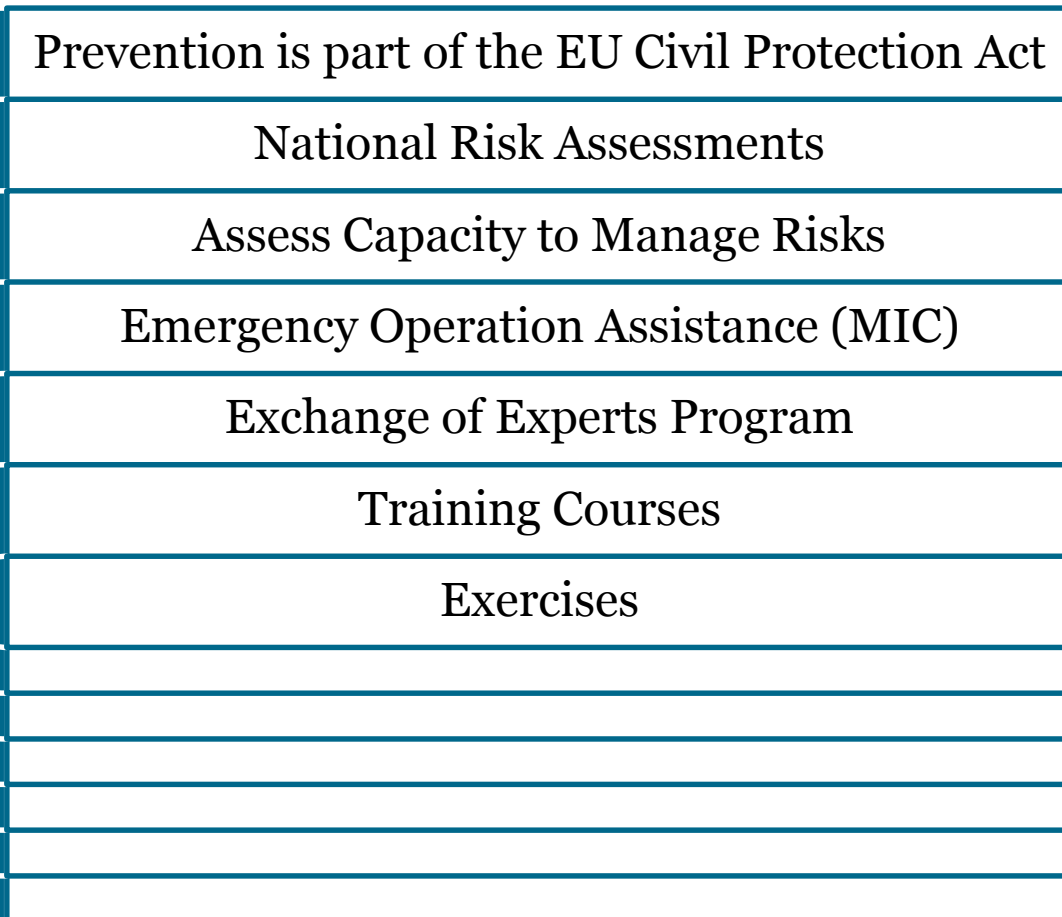
Assess Capacity to Manage Risks

Emergency Operation Assistance (MIC)

Exchange of Experts Program

Training Courses

Exercises



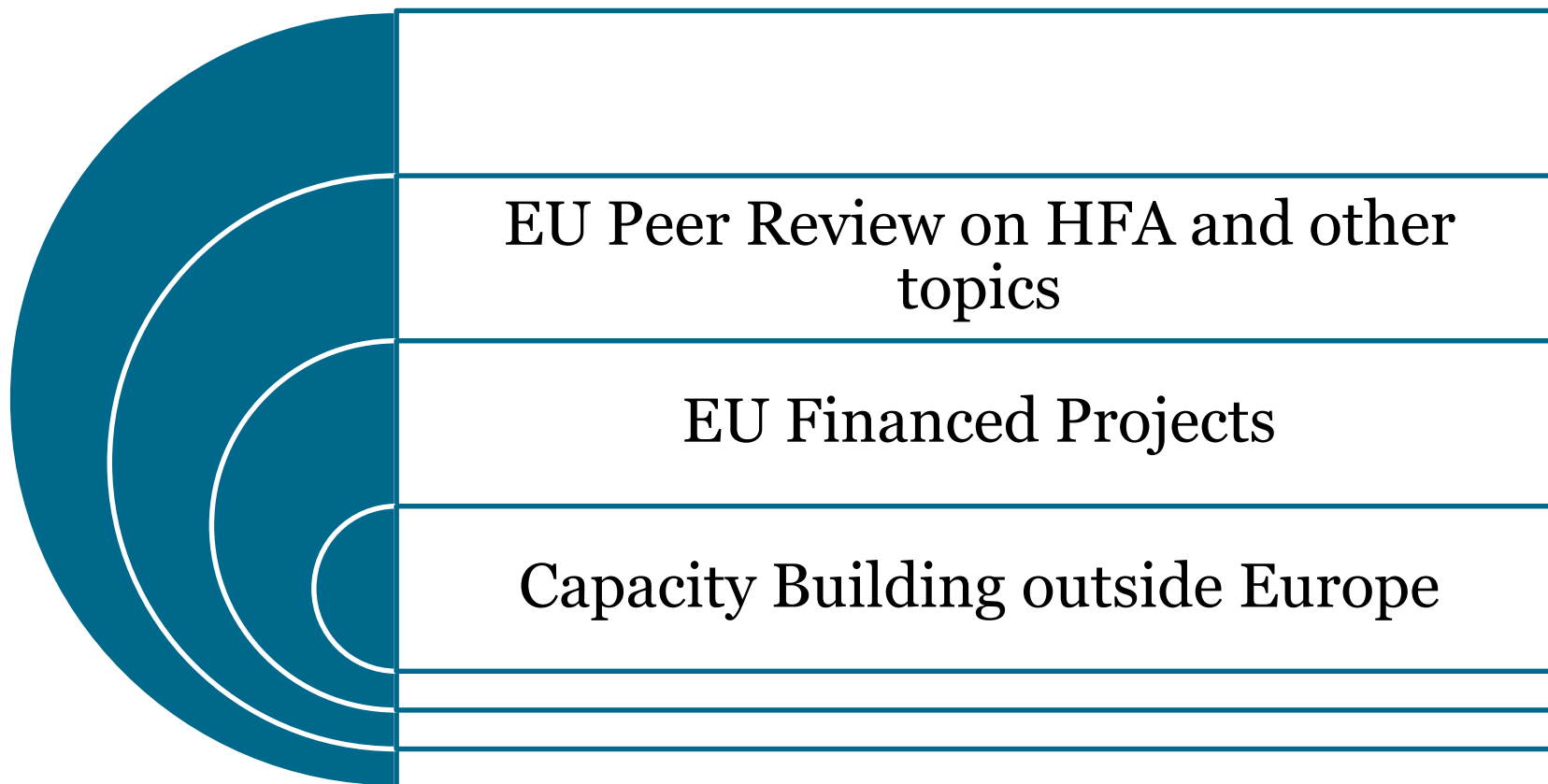


Swedish Civil
Contingencies
Agency



European Union's Disaster Management

DG ENVIRONMENT
DG ECHO
DG RESEARCH
and others





Swedish Civil
Contingencies
Agency

NATO

Sweden not a full member of NATO North Atlantic Treaty Organisation But a member of Partners for Peace since 1994	28 countries
Sweden participates in EARDRCC exercise Euro-Atlantic Disaster Response Coordination Centre	
Sweden participates in CEPC Civil Emergency Planning Committee National cooperation (15 agencies) for the purpose of effective use of resources and humanitarian operations in conjunction with a catastrophe	<ul style="list-style-type: none">• MSB member of expert group on industrial resources• civil protection group



Swedish Civil
Contingencies
Agency

Research for a safer society

– New knowledge for future challenges





Swedish Civil
Contingencies
Agency

MSB Research Funding

- ❑ MSB is both a research funding agency as well as a stakeholder
- ❑ Research with the purpose to generate practical applicable results aiming to solve societal problems
- ❑ MSB is funding research on its own and in cooperation with others, nationally and internationally
 - EU
 - US Department of Homeland Security
 - Nordic countries





Swedish Civil
Contingencies
Agency

Research for a safer society

– New knowledge for future challenges

- ❑ Individual and public safety
- ❑ Protection from fire, emergencies and hazardous substances
- ❑ Societal continuity and resilience
- ❑ Strengthened emergency prepar civil defence
- ❑ Information security





Swedish Civil
Contingencies
Agency

Bilateral Science & Technology Homeland Security Agreement signed in Washington D.C. April 13, 2007





Swedish Civil
Contingencies
Agency

Areas of cooperation and joint research projects

- CBRN Forensics
- Explosives Detection & Defeat
- Strategic Decision making
- Effective communication during crisis
- Strengthened abilities of first responders
- Cyber Security

