



## **Cross-Border Cooperation, Training and Exercises**

***Cooperation Justifaction***

***Cross-Border Emergency Response Success Factors***

***Northern Dimension Threats & Risk Scenarios***

***Cooperation Challenges***

***Training a Vital Part of Emergency Preparedness***

***Specific Training Issues in the North***

***Joint Exercises***

***Action Plan Missing?***

***Conclusion***



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## **Speaker Background**

- ***Expert in Information & Communication Techonology***
- ***Vocational Teacher Training***
- ***UNDAC Member***
- ***Member of INSARAG Working Group on Training 2002-2003***
- ***Barents Rescue Project 2003-2005 Chair TF1 Training***
- ***Barents Rescue 2007 Head of Evaluation***

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## Cooperation Justifaction

- **General**
  - **Common Challenges & Possibilities**
  - **Regional Partnership Promoting Prosperity and Security**
  - **Together Everybody Achieves More**
  
- **Emergency Management**
  - **Long Distances**
    - **Lack of transportation capacity**
    - **Neighbour might be closer**
  - **Scarce Resources**
    - **Emergency personnel, medical resources, including hospitals**
  
  - **Humanitarian obligation to provide assistance wherever it is needed**

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## Cross-Border Emergency Response Success Factors

- **Legal base and agreements,**
  - **Bilateral**
  - **Multilateral**
  - **International Guidelines, such as**
    - **Oslo Guidelines for using MCDA Assets in Disaster Relief**
      - [http://ochaonline.un.org/...](http://ochaonline.un.org/)
    - **Tampere Conventions for using telecommunications**
      - [www.reliefweb.int/telecoms/tampere/index.html](http://www.reliefweb.int/telecoms/tampere/index.html)
- **Common Procedures & Response Mechanism**
- **Understanding the Risks and Need for Preparedness**
- **Information about the Cross-Border Assets**
- **Trained and Experienced Key Personnel**
- **Joint Planning and Personal Contacts!**

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## Northern Dimension Threats & Risk Scenarios

- **Different Levels**
  - Small Scale Incidents with Cross-Border Aspect
  - Major Accident with Need for Cross-Border Assistance
  - Large Scale Disaster Affecting more than One Country
- **Northern Threats**
  - Tourist Traffic
  - Maritime Risks
  - Nuclear Disaster
  - Climate Change Effects



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## Barents Region's Major Risks

- **Tourist traffic** (Finland as an example)
  - Christmas Charter Flights in Northern Finland
  - Started with Concorde flights in 1984
  - 180 000 Foreign Tourists in December 2006



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## Barents Region's Major Risks

- **Maritime**

- Traffic increasing heavily
- Oil&gas six-fold by 2020



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## Barents Region's Major Risks

- **Radiation**

*One of Russia's biggest radioactive waste storage facilities is located in the Kola Peninsula and stores 21,000 spent uranium fuel assemblies from nuclear submarines and ice-breakers*



*Kola Nuclear Plant Polyarnye Zory  
4 aged reactors (1973-1984)*



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## Climate Change Effects in the North

The Arctic is extremely vulnerable to observed and projected climate change and its impacts.

- Coastal Erosion
- Thawing Permafrost
- Increasing Forest Fires



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### THAWING PERMAFROST



## Cooperation Challenges

- **Administrative**
  - 4 Countries (Norway, Sweden, Finland, Russia)
  - 3 Language Groups (Scandinavian, Finnish, Russian)
  - 2 Cultures (Nordic, Russian)
  - EU, NATO aspects
- **Functional**
  - Different working procedures
  - Different standards
- **Technological**
  - Nordic telecommunications going towards TETRA
  - C4I Emergency Management Systems Interoperability
  - How to Safeguard the Information Value Chain
  - General Technology Compatibility

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## Training a Vital Part of Emergency Preparedness

### DOMAIN ANALYSIS

- TASK INVENTORY What tasks are there?
- LEARNING ANALYSIS What needs to be learned?

### • TRAINING DESIGN

- COURSE PROGRAM
- TARGET GROUPS

### • TRAINING DEVELOPMENT AND CONDUCT

- METHOD SELECTION
  - Classroom, self-study, distant learning, CBT, simulators, on the job learning, combinations
  - Support material
- COST BENEFIT ANALYSIS

### • TRAINING EVALUATION

- Are we teaching the right things?
- How is learning measured?

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## Training Needs

### Barents Rescue Project TF1 Findings

#### **Planning the response**

Legal aspects  
Overall procedures, including finance, insurance etc.  
Information about neighbouring resources,  
Information about major risks

#### **Mobilization**

Alert Mechanisms  
Information about supply resources, fuel etc.

#### **Management**

Information of different ways of staff work  
Information about command structures  
Information about use of liaison officer etc.

#### **Communications**

Language skills, International voice procedures  
Standards, frequencies, integration and compatibility with air/army comms.

#### **Professional skills**

Very little need for training in basic skills  
Sharing information of best practises etc.  
GPS/GIS training  
Working in radioactive situation  
Special risks including large ships etc.

#### **Any other aspects**

Networking a valid tool in sharing information  
Joint exercises (also small scale ) are important  
Common dictionary of rescue terms

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## Joint Exercises

### Exercises

- Validate learning
- Identify areas for improvement
- Training opportunity

### Different levels

- From Local to Regional



### Barents Rescue Exercises

- ...
- 2005 Norway (Maritime)
- 2007 Finland (Aviation)
- 2009 Russia (Radiation)

Exercises without evaluation followed by Improvement Plans are waste of money

Exercises should be linked to an overall regional development strategy

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## Conclusion

*There is definitive need for cross-border cooperation in the north*

*A lot has been done or is in progress already in different levels*

*A clear "Barents Emergency Response" Process owner is however missing*

*Questions, Spørsmål?*

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