



UNIVERSITETET I  
NORDLAND

HANDELSHØGSKOLEN I BODØ • HHB

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# **HORIZON 2020 SECURE SOCIETIES**

**Protecting freedom and  
security of Europe and  
its citizens**

**Workshop UiN  
Odd Jarl Borch**

# Hva dreier programmet seg om?

- **Overvåkning og forebygging**
  - Risikofaktorer som utfordrer samfunnsstrukturer og skaper risiko for tap av helse, liv, miljø og verdier
  - Risikoforståelse og risiko-reduksjonsvirkemidler
  - Verktøy og systemer for overvåkning
- **Kriseberedskap**
  - virkemidler knyttet til å redusere effektene av en krise/hendelse
- **Nettverksutvikling- akademia og profesjonelle**
  - Kompetanseutveksling fra og til profesjonelle nettverk
  - Skape nye løsninger - innovasjonsprosesser



# User networks in Europe

- **Civil protection**
  - EU - ECHO Humanitarian Aid and Civil Protection
- **Border control**
  - police, customs, coastal authorities
    - FRONTEX- Eurosur,
    - CISE-common information sharing
    - EUROPOL
  - coast guard networks
    - North Atlantic Coast Guard Forum
    - Arctic Coast Guard Forum
- **Military forces**
  - European Defence Agency: MARSUR
  - NATO -The Euro-Atlantic Disaster Response Coordination Centre (EADRCC)
- **Safety**
  - IMO, EMSA



# Hva har vi av vitenskapelige nettverk?

- Nettverk av forskningsfinansierende institusjoner
  - forskningsrådene
- Etablerte EU-programnettverk innenfor ulike disipliner
- Andre forskningsnettverk
  - University of the Arctic –paraplyorganisasjon med temanettverk Safety and Security under etablering
  - Institutter med bredt nettverk, eks. Nordområdesenteret, UiN
  - nettverksbyggende FoU-prosjekter Eks. Maritimt beredskap SARINOR og Marpart



# UIN-Alliances in Russia and Ukraine

**Bodø Graduate School  
of Business/  
University of Nordland**

**Murmansk State  
Technical University**

**Ukhta State Technical  
University**

**Northern Arctic Federal  
University**

**Baltic State Technical  
University,  
St. Petersburg**

**MGIMO-University,  
Moscow**

**Tyumen State University**

**Kiev National  
University, Ukraine**

**Tavria National  
University, Simferopol,  
Ukraine**



# MARPART CHARACTERISTICS:

- Financed by the Norwegian Ministry of Foreign Affairs, the Nordland county Administration and partners. Budget: 19 million NOK
- Cross-disciplinary, international research network
  - Twenty professors/researchers plus PhD-students
  - 14 universities, police and naval academies and research institutes are now part of the Marpart network
  - Six countries (Norway, Russia, Iceland, Greenland, Denmark, Sweden, USA)
- Established Advisory Boards for each country with main emergency preparedness authorities
- Running from Winter 2014 to December 2016



# MARPART-Participating universities

- University of Nordland (Norway)
- Norwegian Police University College (Norway)
- UNIS - University Center in Svalbard (Norway)
- UiT - The University of the Arctic (Norway)
- MSTU - Murmansk State Technical University (Russia)
- NARFU - The Northern (Arctic) Federal University (Russia)
- The University of Greenland (Greenland)
- The University of Iceland (Iceland)
- IFS-The Norwegian Defence University College (Norway)
- FFI - Norwegian Defense Research Establishment, (Norway)
- WMU - World Maritime University (Sweden)
- NBSK - The Norwegian Fire Protection Institute (Norway)
- Danish/Greenlandic National Police (Denmark)
- The Royal Norwegian Naval Academy (Norway)?
- Admiral Makarov Maritime University, (Russia)?
- US Coast Guard Academy?



**HORIZON 2020  
SECURE SOCIETIES  
PROGRAM  
A. Security toolkits  
development and system  
innovation**





# Main areas of R&I

- **Reducing crime and terrorism**
  - Avoid radicalization
  - Human factors related to criminal and terrorist acts
  - Detection and forensic techniques
- **Protecting borders and digital systems**
- **Resilience when disaster happens**
  - Scenarios and response planning systems
  - Situational awareness systems
  - Broadband communication
  - CBRN-tools procedures and networks

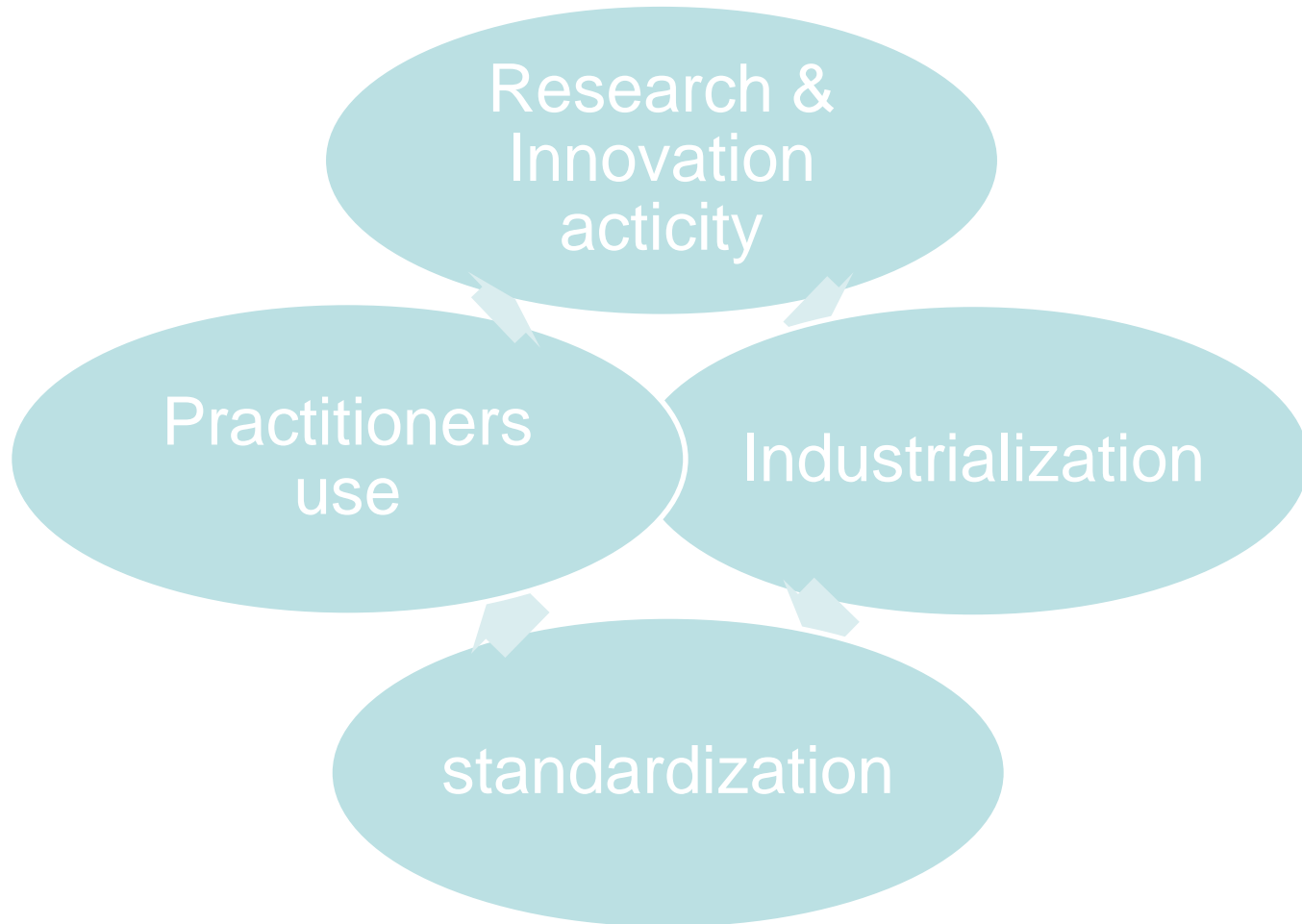


# **HORIZON 2020 SECURE SOCIETIES PROGRAM**

## **B. Pan-European security network creation**



# Academia-practitioner networks within on discipline all over Europe



# Academia-practitioners network from all disciplines in specific region

- **The Arctic and North-Atlantic region**
  - Northern sea route activity
  - Security threats with seaborne disasters likely to arise
  - Lack of infrastructure
  - **Need for regional preparedness taking into consideration geographical specificities**



**Hvor er vi representert, hvilke nettverk har vi og hvor kan vi bidra i EUs programsatsing?**

