



ARKTISTEN ALUEIDEN
PELASTUSTOIMINNAN SUORITUSKYVYT:
OSAAMISEN JA YHTEISTYÖN EDISTÄMINEN

Joel Kauppinen
Pelastuspalveluseminaari
Saariselkä 26.10.2023



THE FINNISH ASSOCIATION
OF FIRE OFFICERS



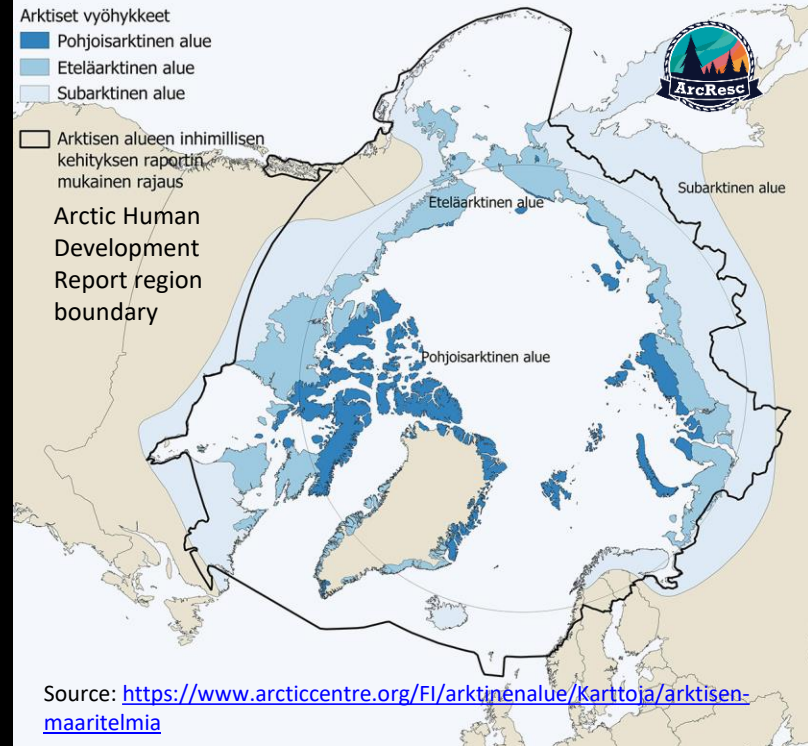
Ministry of the Interior
Finland



Ministry for Foreign
Affairs of Finland



Arctic Administrative Areas and Capitals
Map: Arctic Centre, University of Lapland



Sources: [Arktinen keskus, Lapin yliopisto](#).
Rajojen lähde: Runfola D, Anderson A, Baier H, Crittenden M, Dowker E, Fuhrig S, et al. (2020) geoBoundaries: A global database of political administrative boundaries. PLoS ONE 15(4): e0231866.
<https://doi.org/10.1371/journal.pone.0231866>

The Arctic Region



Source: <https://2009-2017.state.gov/e/oes/ocns/opa/arc/uschair/258202.htm>

Names and boundary representation are not necessarily authoritative
August 21, 2015 - U1282 STATE (HIL)

Background



- More and severe disasters
 - Increased human activity
 - Industry
 - Complex technology
 - Nature resources
 - Tourism
 - Climate change related issues
- Sparsely populated, large rural areas
- Small fire/rescue resources



The Aims of the Project



- Promote international cooperation in the field of rescue services in the Arctic Region
- Develop knowledge and performance of the rescue operations
- Establish a continual network between the arctic rescue service actors



Main Themes



- ✓ Arctic environment and disaster scenarios in the arctic
- ✓ Actors operation models, capacities and equipment
- ✓ Climate change related issues
- ✓ Forest fires & wildfires
- ✓ Human rescue
- ✓ Indigenous people
- ✓ International and cross-border cooperation



Project details



- Meetings, workshops & final seminar
 - Two years: 1/2022-12/2023
 - Project lead by the Finnish Association of Fire Officers
 - Management partners:
 - Ministry of the Interior Finland
 - Rescue Services of Lapland
 - Rescue Services of North Ostrobothnia
 - Kainuu Rescue Department
- Budget: **300 000 €** (IBA funding)
funded by Ministry for Foreign affairs of Finland



ArcResc Meetings



Yukon



Iceland



Tromsø



Finland



Kiruna

Networking



Final Seminar - Rovaniemi



Thursday
28th
September

FUTURE OF THE FIRE AND RESCUE SERVICES IN THE ARCTIC REGION

- Why the arctic is in the focus?
- The arctic environment
- Indigenous people
- The fire and rescue services future directions
- Challenges of the fire and rescue services in the Arctic
- Wildfires



ARCRESK MEETING KIRUNA



ARCRESC MEETING TROMSØ



ARCResc MEETING YUKON



ARCResc MEETING ICELAND



- Iceland is part of the Mid Atlantic Ridge, where it rises from sea. Western part is on the American plate and the Eastern part on the Euro-Asia plate.
- Iceland is also considered to be a hot spot, where high volcanic activity occurs due to a hot mantle plume. Magma rises from the mantle to the surface



ARCRESO MEETING FINLAND





Operation environment



- Large areas and long distances
- Long and rough winter, season changes, (spring) breakup
- Ground frost/permafrost (thawing)
- Strong climate change impacts
- Partly old and poor infrastructure
- Telecommunication network dead zones, low data



Societies



- Sparse population
- Urbanization
- Tourism, strong seasonality, fast development
- New activities/sports
- Helplessness, weak preparedness
- Visitors' expectations
- Industry, mines, new locations
- Technical development
-> complexity & vulnerability



Services



- Sparse population – thin population base
- Next station far
- Services disappeared
 - Fire and rescue service may be the last existing local (authority) service
- Local knowledge-changing environment
- Often fire and rescue services volunteer based
 - Multiskill needs, training requirement, ageing, culture change, demanding jobs..
- Authorities cooperation emphasized



Arctic cooperation



- Little international cooperation/no existing connections between fire & rescue services (operational level) in the Arctic
 - based mostly on personal contacts
- ArcResc – developed an actor network







Contact

Project manager

Joel Kauppinen

joel.kauppinen@sppl.fi

+358 44 726 8112

www.sppl.fi/arcesc

Follow in Instagram
[@arcescproject](https://www.instagram.com/arcescproject)



THE FINNISH ASSOCIATION
OF FIRE OFFICERS



Sisäministeriö
Inrikesministeriet



Ministry for Foreign
Affairs of Finland