Transboundary water management in the joint border area of Finland, Norway and Russia

TransParcNet 2018 “Bridges over troubled water”

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Pasvik Inari Trilateral Park

Interreg Rakousko-Česká republika

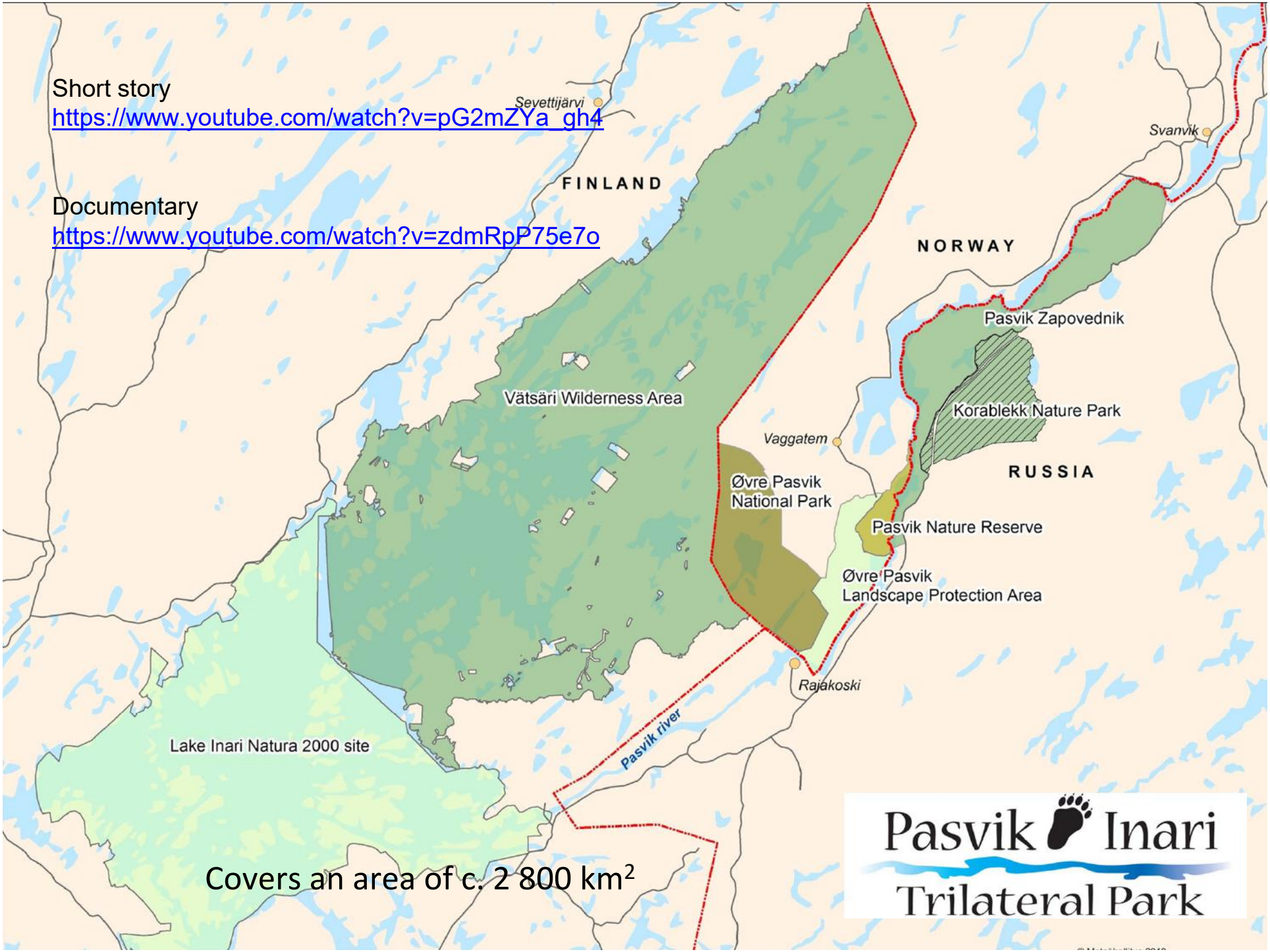
Transboundary Parks EUROPARC

EUROPARC FEDERATION

Pasvik Inari Trilateral Park

greenbelt of Fennoscandia

european greenbelt

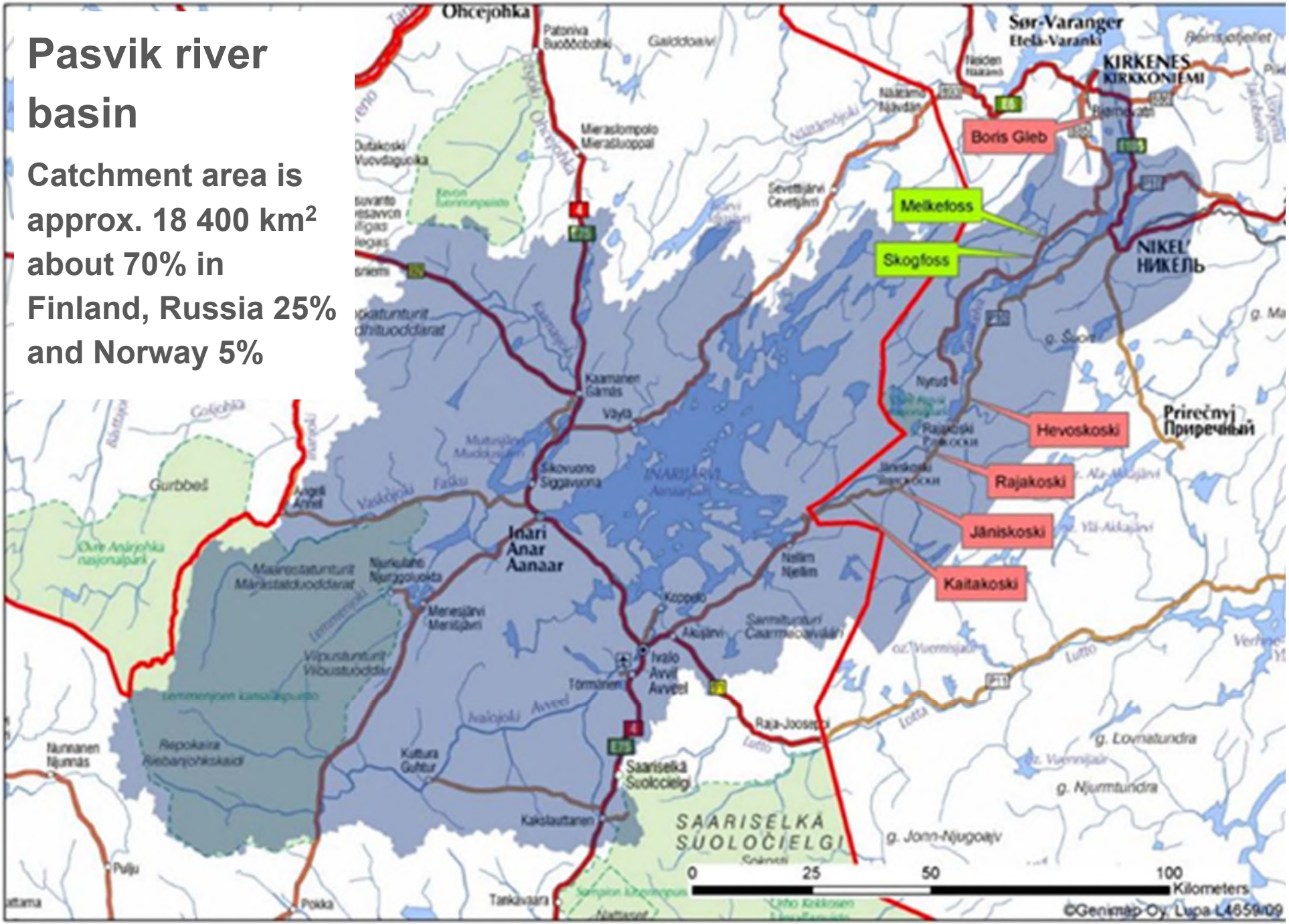

Short story
https://www.youtube.com/watch?v=pG2mZYa_gh4
Documentary
https://www.youtube.com/watch?v=zdmRpP75e7o
Sevettijärvi
FINLAND
Svanvik
NORWAY
Pasvik Zapovednik
Vätsäri Wilderness Area
Korablekk Nature Park
Vaggatem
RUSSIA
Øvre Pasvik
National Park
Pasvik Nature Reserve
Øvre Pasvik
Landscape Protection Area
Rajakoski
Pasvik river
Lake Inari Natura 2000 site
Covers an area of c. 2 800 km²
Pasvik Inari
Trilateral Park

Borders separate. Nature unites!

Pasvik Nature Reserve (NO) and Pasvik zapovednik (RU) along the Pasvik river, at the Norwegian Russian border.
Photo: Rolf E. Sch. Kollstrøm

Pasvik river basin

Catchment area is approx. 18 400 km^2 about 70% in Finland, Russia 25% and Norway 5%



Challenges in the border river catchment area

Mining and metallurgical industry

Hydroelectric power stations and dams

Introduced species

Climate change

Lake Inari – third biggest lake in Finland

Lake Inari. Photo: Metsähallitus

The large and oligotrophic Lake Inarijärvi is situated upstream and upwind from the pollution sources.

The water quality of Lake Inarijärvi is mostly excellent. No clear signs of eutrophication have been observed.

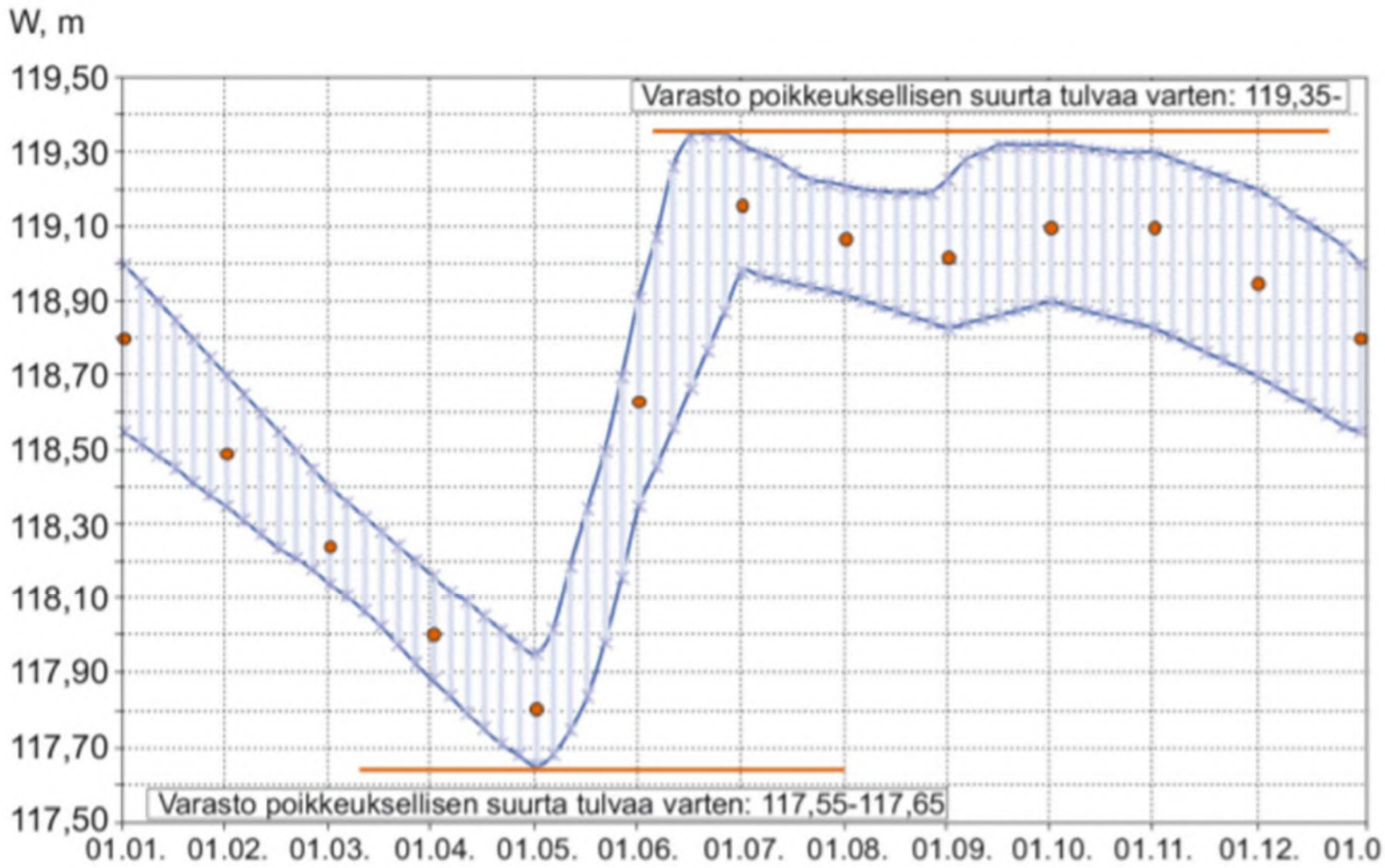
Water level regulation in Lake Inari

Photos: Centre for Economical Development, Transport and the Environment

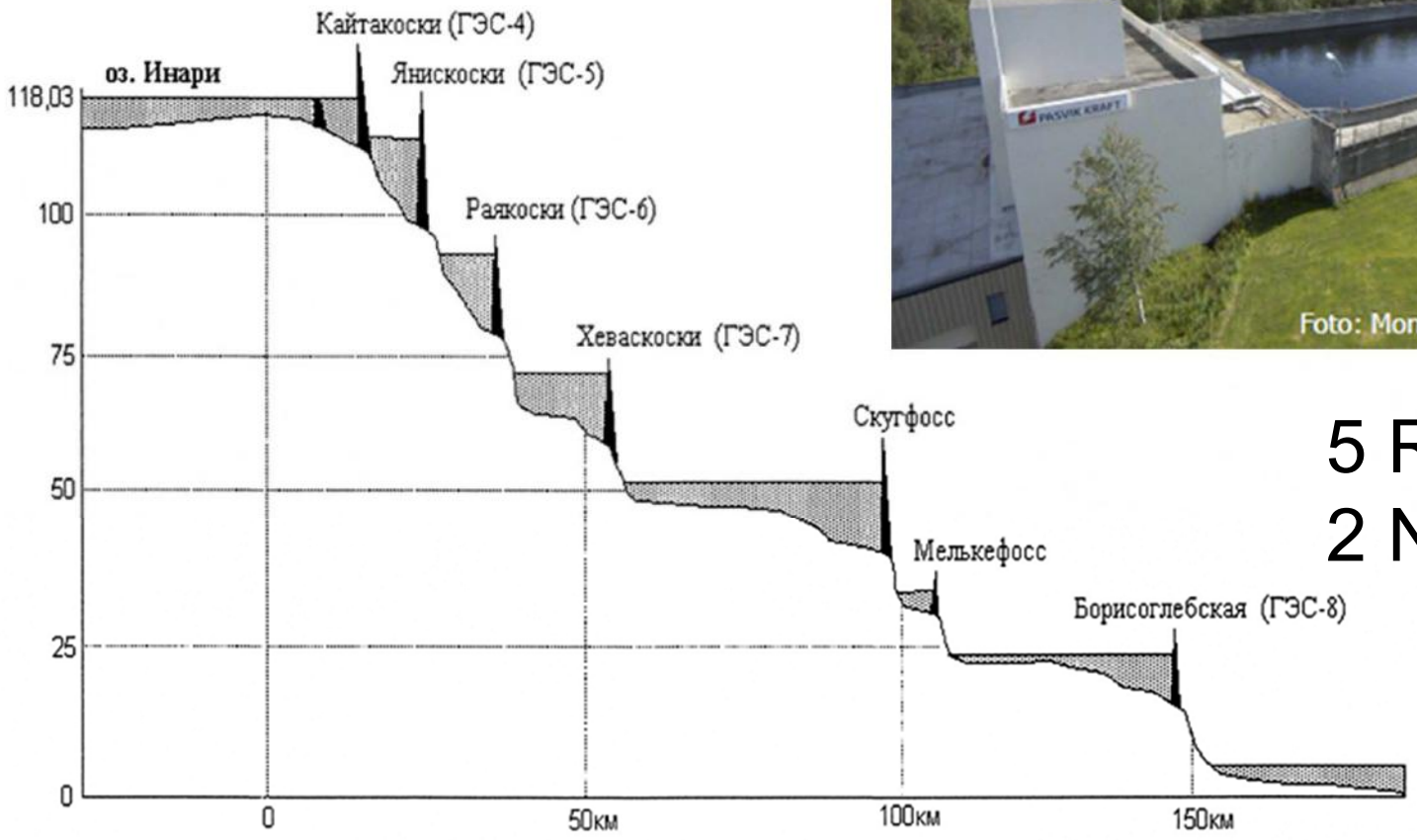
Lake Inari regulation - State agreement between Soviet Union/Russia, Norway and Finland since 1959

Finland, Norway and Russia have set up a Lake Inari-delegation, to which each country has designated a control supervisor.

Ecological target zone for Lake Inari, accepted by regulatory commission in 25.3.1999



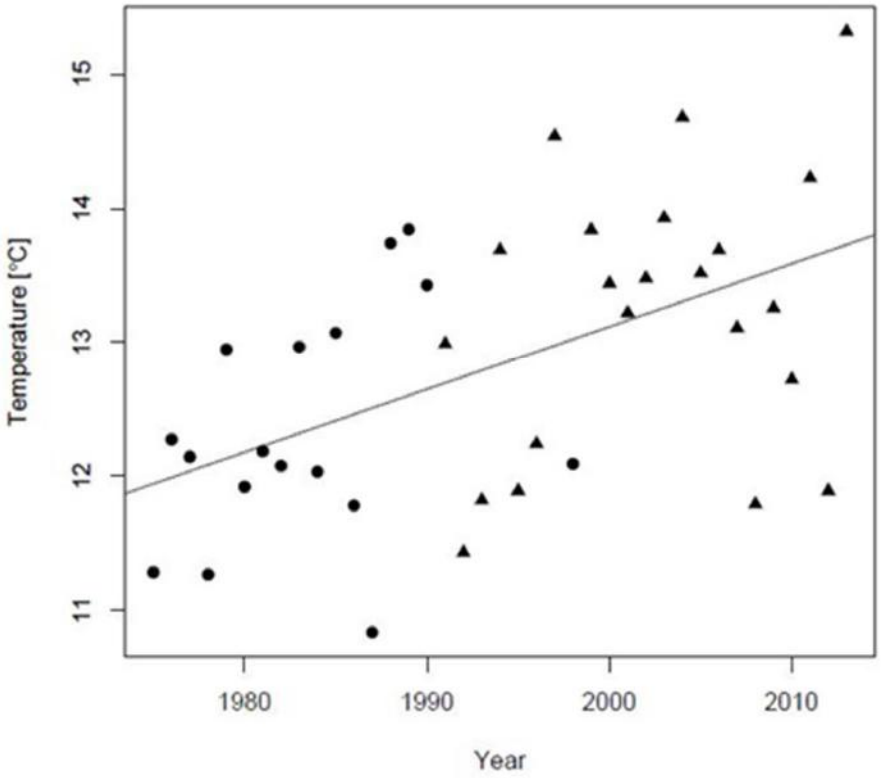
Longitudinal profile of Pasvik river and 7 HEP stations



5 Russian
2 Norwegian

Climate change

It is getting warmer and more wet



Average water temperature has increased approx. 2 degrees in the Pasvik river the past 40 years

Lake Inari freezes later, ice is thinner and ice-cover period is shorter

Warmer water is affecting the fish - trout will loose and perch will win….

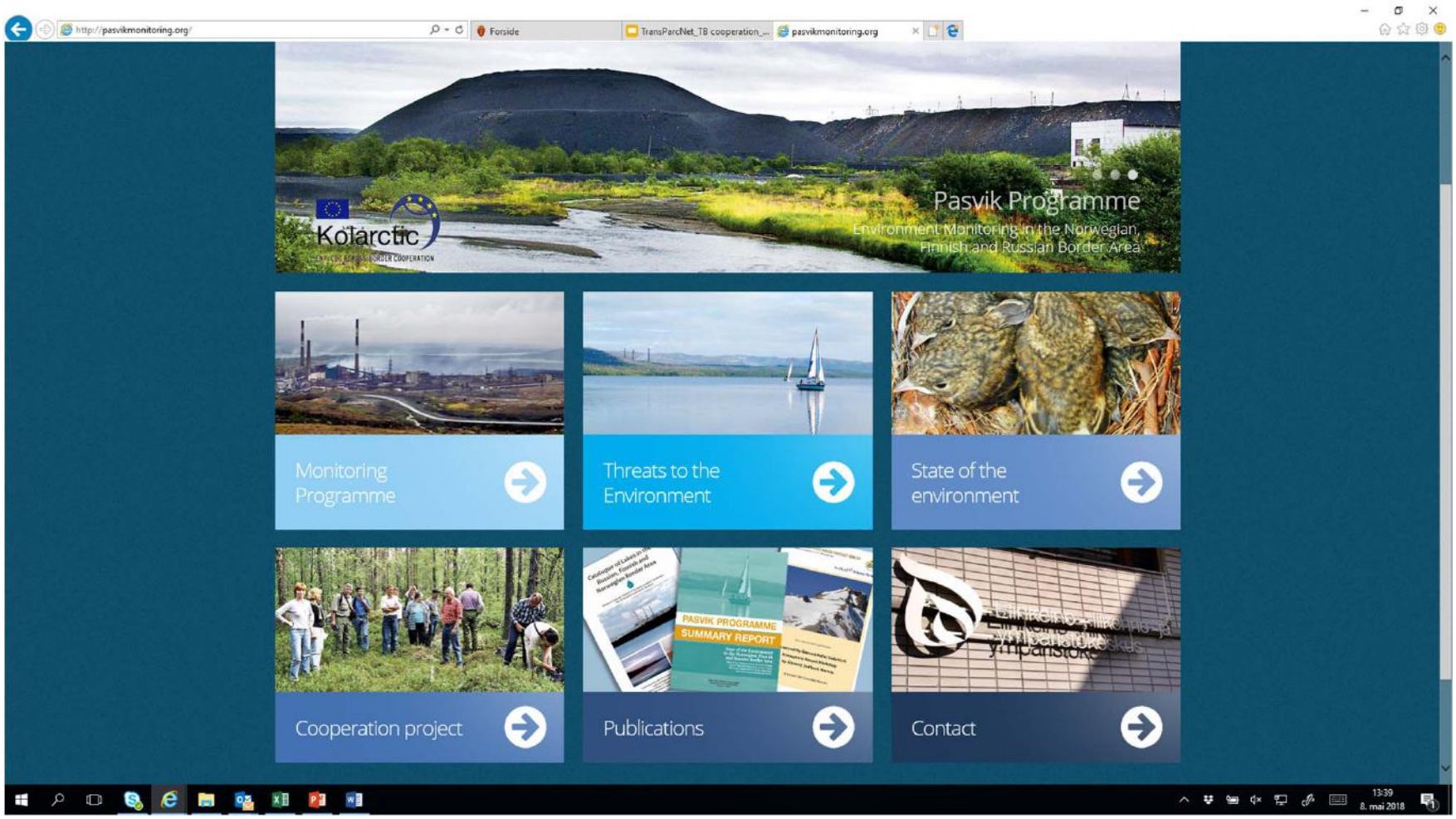
Vendace invasion

(Vendace: Coregonus albula)

Photo: Erno Salonen, Natural Resources Institute Finland

Joint water monitoring

www.pasvikmonitoring.org




Norsk-Finsk Grensevassdragskommisjon
Suomalais-Norjalainen Rajavesistökomissio
Since 1980 – a governmental Agreement between Norway and Finland on a transboundary water commission
• Cooperative body for coordination of both countries interests in the joint rivers *Tana-, Pasvik-* and *Neiden*.
• The Transboundary water Commission is an advisory body for respective countries governments
• Russia has been observer since 1993


LILY
Pasvik Inari
Trilateral Park

Future projects

Kolarctic ENI CBC – programme: 3 accepted applications

- REARC - Ecological Restoration of Arctic Rivers
- Cross-border dialogue and Multi-Use Planning in the Pasvik and Grense Jakobselv river catchments
- PAN - Phenomena of Arctic Nature (visitor centers)

Other projects:

Brown trout genetics and ecology

Photos: Steinar Wikan, Per Arne Amundsen, Riina Tervo, Paul Aspholm, Valery Buzun, Natalia Polikarpova, Alyona Aphanasova, Johannes Abildsnes