The latest results of seismological, seismotectonic, and paleoseismological investigations in the Karelia-Barents sector of the European Arctic

Evgenii Rogozhin
Schmidt Institute of Physics of the Earth. Russian Academy of Sciences
Triangles are permanent seismic stations: black ones are other countries’, white ones are the Russian’s, yellow ones belong to the New Arkhangelsk network.
The role of the Arkhangelsk seismic network in seismic monitoring of European sector of the Arctic

NORSAR, Norway

Cooperation of NORSAR and the Arkhangelsk network

Earthquake epicenters 2012-2015
The present day seismicity on the map of the main tectonic structures for the Barents Sea Region

1 – depressions; 2 – ancient platforms;
3 – foredeeps; 4 – deep depressions slopes;
5 – Baikal folding belts; 7 – Scandinavian Chalcedonic folding;
8 – 9 – Folding of Early Cemerige age;
10 – deep depressions;
11 – 12 – main faults;
13 – active Spreading Center;
14 – other faults;
15 – earthquake epicenters of 1998–2015;
CA – Santa Anna graben;
ΦΒ – France-Victoria graben;
Ο – Orly trough
Paleoseismic investigations on the Cola Peninsula

Paleoseismic fault and zone of ancient, the Late Holocene earthquake with the intensity of VIII in the Kandalaksha depression
Seismic zoning map of Russia, 1997

Thank You!