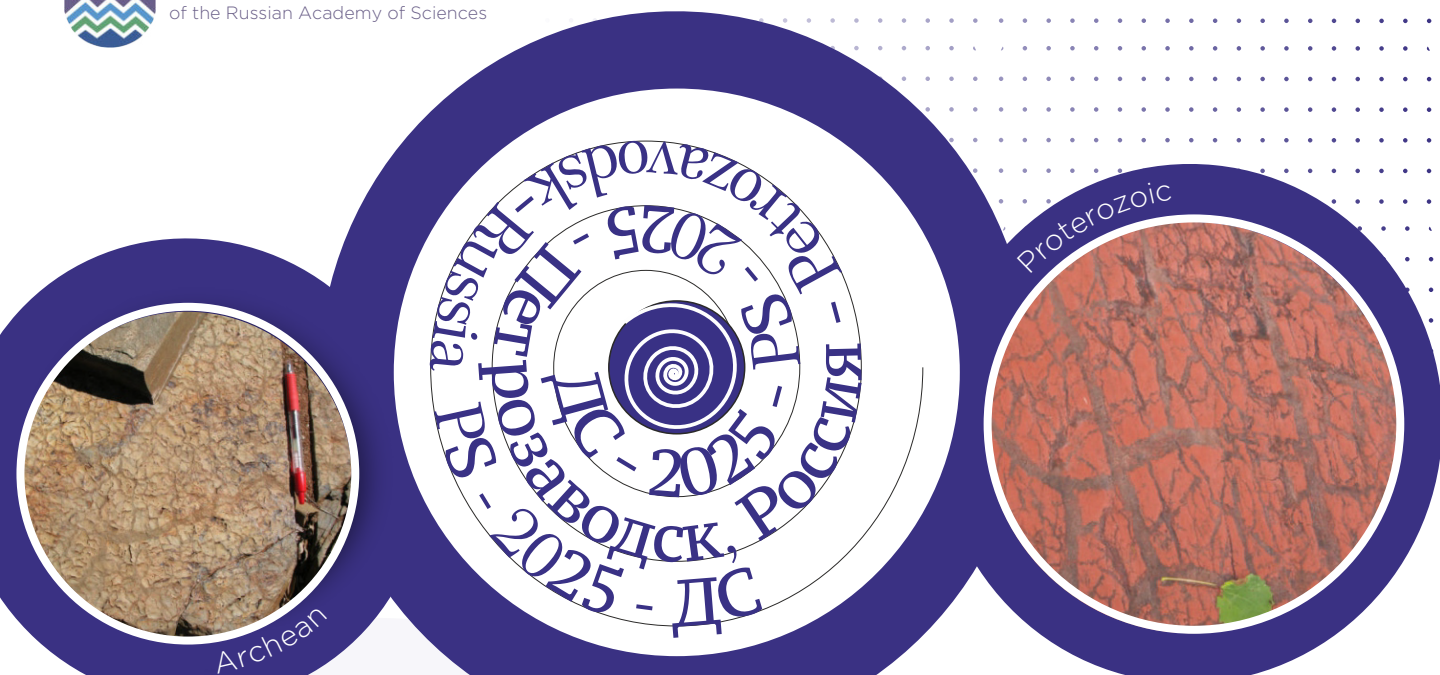




**Institute of Geology**  
of the Karelian Research Centre  
of the Russian Academy of Sciences



# PROGRAM

## «Precambrian summit - 2025»

11-17 August | IG KarRC RAS | Petrozavodsk



Website  
<http://igkrc.ru/PS2025>



E-mail  
[ps2025ptz@gmail.com](mailto:ps2025ptz@gmail.com)

9.30-9.40 Welcome and Opening Remarks

Plenary session, Chairpersons: D.P. Gladkochub, S.A. Svetov

09.40-10.00 Perchuk A.L., Zakharov V.S., Gerya T.V.  
Influence of mantle temperature on subduction and collisional processes in the early Earth

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10.00-10.20 Turkina O.M.  
Evolution of grantoid magmatism and stages of crustal growth and accretion-collision events in the southwestern Siberian Craton in Archaean

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10.20-10.40 Hofmann A.  
Early Crustal Evolution of the Kaapvaal and Zimbabwe cratons – similarities and differences (*on-line*)

10.40-11.00 Coffee break (tea, coffee)

11.00-11.20 Balagansky V. V.  
Early Precambrian of the Kola Region (northeastern Fennoscandian Shield)

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11.20-11.40 Goev A.G., Dokukina K.A.  
The structure of the lithosphere of the Kola region according to new seismological data. Part 1 – experiment and results

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11.40-12.00 Dokukina K.A., Goev A.G.  
The structure of the lithosphere of the Kola region according to new seismological data. Part 2 – interpretation

12.00-12.20 Coffee break (tea, coffee)

12.20-12.40 Hegde V.S., Corfu F., Pratihari A.R., Shalini G.  
Neoproterozoic convergent margin processes and greenstone belt development: an insight from the volcano-sedimentary sequence of the Western Dharwar Craton (*on-line*)

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12.40-13.00 Singh V., Slabunov A.  
Early Precambrian Crustal Evolution of the Bundelkhand Craton (*on-line*)

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- 14.20-14.40**     Kudryashov N.M., Mokrushin A.V.  
Archean anorthosite and subalkaline magmatism of the Keivy structure (Kola region): geochronological and isotope-geochemical studies
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- 14.40-15.00**     Nesterova N.S., Slabunov A.I.  
Meso-Neoarchean felsic volcanics of the Gimoly greenstone belt, Fennoscandian Shield
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- 15.00-15.20**     Maksimov O.A., Lezzhov A.M., Slabunov A.I., Sibelev O.S.  
Two stages of Neoarchean granulite metamorphism in the Voknavolok complex (Fennoscandian Shield)
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- 15.20-15.40**     Fedotova A.A., Turkina O.M. Postnikov A.V., Fugzan M.M., Anosova M.O., Astrakhantsev O.V., Kirnozova T. I. , Sabirov I. A.  
Two stages of formation of the Archean Nurlat granulite complex of the Volga-Uralia (*on-line*)
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- 15.40-16.00**     Coffee break (tea, coffee)
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- 16.00-16.20**     Donskaya T.V., Gladkochub D.P., Turkina O.M., Efremova U.S.  
Early Proterozoic orogenic belts of the southern and central parts of the Siberian craton as indicators of its formation
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- 16.20-16.40**     Gladkochub D.P., Donskaya T.V., Efremova U.S.  
Evidence of magmatic events of the early Paleoproterozoic (2.4–2.1 Ga) in the south of the Siberian Craton
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- 16.40-17.00**     Mishra S., Slabunov A., Ruiz M.F.C., Singh V.K., Partida E.G.  
Paleoproterozoic S-Type Granites from Lesser Himalaya, India: composition, zircon geochronology, Nd-Systematics and geodynamic setting
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- 17.00-17.20**     Abdrakhmanov I.A., Gulbin Yu.L.  
Mesoproterozoic granulite complex of the Bunger hills, east Antarctica: P–T paths and evidence for an extensional tectonic setting
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- 17.20-17.40**     Sukhanova M.A., Salnikova E.B., Stepanova A.V., Kervinen A.V., Azimov P.Ya.  
New data on the age of metamorphism of rocks of the core and SW foreland of the Lapland-Kola Orogen: U-Pb (ID TIMS) geochronological studies of monazite
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17.40-18.00

Bozhko N.A.

Changes in size and amount of continental blocks in evolution of supercontinental cyclicity (*on-line*)

18.00-21.00 Icebreaker party

Tuesday  
on August 12th

Institute of Geology KRC RAS

9.00 Session start

*Plenary session, Chairpersons: Sh.K. Baltybaev, N.V. Lubnina*

09.00-09.20

Erofeeva K. G., Zhitnikova I. A., Samsonov A. V., Stepanova A. V., Maksimov O. A., Larionova Yu. O.

Episodes of Paleoproterozoic suprasubduction magmatism of the Lapland-Kola orogen: results of U-Th-Pb isotopic dating of zircon from metamorphosed sedimentary and volcanic rocks of the Umba and Tersa terranes

09.20-09.40

Goncharov D.A., Savko K.A., Terentiev R.A.

Petrogenesis of I-type Paleoproterozoic granitoids in the south of the Vorontsov terrane of the Volga-Don orogen

09.40-10.00

Savko K.A., Samsonov A.V., Tsybulyaev S.V., Korish E.Kh.

Geochemical control of melt sources for Paleoproterozoic crustal adakites of Sarmatia

10.00-10.20

Baltybaev Sh.K., Yurchenko A.V., Savatenkov V.S., Rizvanova N.G.

Isotope response to latent geological processes in the White sea and northern Ladoga region

10.20-10.40 Coffee break (tea, coffee)

10.40-11.00

Ivashchenko V. I.

Metallogenic and ore-forming systems of the Ladoga structure of the Fennoscandian Shield

11.00-11.20

Bakaeva A.V., Chazhengina S.Y., Svetov S.A., Kervinen A.V.

Paleoproterozoic molassoid complexes of the Central Karelia

11.20-11.40

Volkova V.E., Sukhorukov V.P.

PT-parameters of metamorphism of amphibolites of the Onot greenstone belt (SW Siberian Craton) (*on-line*)

11.40-12.00

Egorova S.V., Stepanova A.V., Erofeeva K.G.  
Sariolian (2.4 Ga) large igneous province on Fennoscandian Shield:  
composition, lateral zoning, melts sources

12.00-12.20 Coffee break (tea, coffee)

12.20-12.40

Stepanova A.V., Egorova S.V., Salnikova E.B., Sukhanova M.A.  
Age and composition of mafic dykes in the Vodlozero block: constraints  
on supercontinent correlations for the Fennoscandian Shield

12.40-13.00

Ustinova V.V., Chazhengina S.Y., Stepanova A.V.  
Mafic melts and carbon bearing sediments: contact interaction  
in the Onega paleobasin

13.00-14.30 Lunch

*Plenary session, Chairpersons: O.M. Turkina, A.L. Perchuk*

14.30-14.50

Abdrakhmanov I.A., Leitchenkov G.L., Skublov S.G., Talalay P.G. ,  
Salimgaraeva L.I., Zhang N.  
First data on the composition and age of subglacial rock from the zone  
of magnetic anomaly (Princess Elizabeth Land, east Antarctica)

14.50-15.10

Babarina I.I., Azimov P.Ya., Serebryakov N.S.  
Collision deformations and late Paleoproterozoic metamorphism trend  
in the east of the Belomorian province (the Lapland-Kola orogen)

15.10-15.30

Konyshv A.A.  
Precambrian rare-metal granites of Salmi anorthosite-rapakivi-granite  
complex, Karelia

15.30-15.50

Singh S.P., Renjith M.L.  
Taphrogenic trachytic and lamprophyre-lamproitic series dyke magmatism  
in the Sidhi Gneissic Complex (SGC), central India: Petrogenetic and  
geodynamic implications (*on-line*)

15.50-16.10

Medvedev P.V., Kondrashova N.I., Lyutikov A.V.  
Results of a comprehensive study of Paleoproterozoic carbonate rocks  
in eastern Fennoscandia

16.10-16.30

Siahi M., Hofmann A.

Sedimentological and geochemical characterization of dolostones from the Buffalo River inlier, Pongola Supergroup (South Africa): implications for Mesoarchean carbonate platform development (*on-line*)

16.30-17.30

Poster session

17.30-18.15 Discussion

Wednesday  
on August 13th

Sports and Recreation venue Yalgora

9.00 Bus departure from IG KarRC RAS

*Plenary session, Chairpersons: V.V. Balagansky, T.V. Donskaya*

10.00-10.20

Slabunov A.I.

Hadean-Archean geology and geodynamics of the Earth: achievements and research potential

10.20-10.40

Svetov S.A., Rybnikova Z.P., Bakaeva A.V., Gogolev M.A.

Magmatism and geodynamic scenarios at the Archaean-Paleoproterozoic boundary. A view from Karelia

10.40-11.00

Lubnina N.V., Slabunov A.I., Stepanova A.V., Vorontsova V.P.,  
Nesterova N.S

Paleomagnetism of the Belomorian Mobile Belt: Complex Research and Geodynamic Consequences

11.00-11.20 Coffee break (tea, coffee)

11.20-11.40

Shchipansky A.A.

Tectonic origin of the northern Belomorian eclogites, north-eastern of the Baltic shield

11.40-12.00

Azimov P., N.S. Serebryakov, A.M. Lezzhov, I.I. Babarina

High-pressure Paleoproterozoic metamorphism of Belomorian belt: not only eclogites

12.00-12.20

Bagdasaryan T.E., Krevsun D.A., Veselovskiy R.V., Chistyakova A.V.

Fission-track thermochronology of rocks of the Karelian Craton: thermal evolution of the basement of the Fennoscandian Shield

12.20-12.40 Coffee break (tea, coffee)

**12.40-13.00** Kozlovskii V.M., Kurdyukov E.B., Zinger T.F., Borisovskiy S.E., Zhilicheva O.M., and Travin V.V.  
Inner structure, composition, and Zr-Hf zircon thermometry of granulite complexes in the Belomorian belt: PCMA and Raman spectroscopic data

**13.00-13.20** Sukhorukov V.P., Turkina O.M.  
Age and PT-parameters of the early stage of metamorphism of the Angara-Kan block (Yenisey ridge)

13.20-14.30 Lunch

*Plenary session, Chairpersons: A.V. Samsonov, A.I. Slabunov*

**14.30-14.50** Yurchenko A.V., Baltybaev Sh.K., Myskova T.A.  
Synchronism of partial melting in Chupa gneisses and metagabbroids of the Belomorian mobile belt

**14.50-15.10** Rizvanova N.G.  
U-Pb (SIMS-ID) age of tantalite from rare-metal pegmatites from the Okhmylk deposit of the Kolmozero-Voronya greenstone belt (northeast of the Fennoscandian Shield)

**15.10-15.30** Kervinen A.V., Stepanova A.V., Erofeeva K.G.  
Problems of dating of layered intrusions in a collisional orogen on the example of the Boyarsky peridotite-troctolite massif

**15.30-15.50** Lubnina N.V., Zaripov T.R., Maksimov O.A., Andreev A.V., Slabunov A.I.  
Typification of banded iron quartzites of the Kostomuksha greenstone belt of the Karelian Craton based on petromagnetic data

15.50-16.10 Coffee break (tea, coffee)

**16.10-16.30** Pystin A.M., Pystina Yu. I.  
Granitogenesis in precambrian history Subpolar Urals lithospheric segment

**16.30-16.50** Vetrin V.R., Kremenetsky A.A.  
Ancient zircons from Cenozoic basalts of Iceland: composition and sources of matter

**16.50-17.10** Romanevich K.V., Kuznetsova E.V., Kabonen A.V.  
Approaches to assessing the impact of seismic events on a rock massif using the example of the Chertov Stul tract

17.10-18.00 Discussion and conference close

**18.10** Departure of the excursion participants to the station (departure from the station at 19.39)

Volodichev O.I., Kuzenko T.I., Maksimov O.A.

Subsolidus metamorphism of olivine gabbro-norites of the Belomorian mobile belt of the Fennoscandian Shield

Fateeva A.A., Stepanova A.V., Erofeeva K.G.

Composition and age of Paleoproterozoic granitoids in the eastern part of the Belomorian province

Kozlov N.E., Sorokhtin N.O., Mudruk S.V.

New approaches to lithological-stratigraphic studies of early Precambrian complexes

Kovalchuk A.A., Kervinen A.V.

Application of Raman spectroscopy of quartz inclusions in garnet for pressure assessment (using the example of the Belomorian province of the Fennoscandian Shield)

Konyshev A.A., Klimovskaya E.E., Vasilyev S.S.

Magmatic enclaves in wiborgites of the Salmi anorthosite-rapakivi granite complex

Krylov A.A., Likhanov I.I.

Early stages of the Paleasian ocean evolution at the western margin of the Siberian craton: petrological, geochemical and geochronological evidences

Likhanov I.I.

The "triple point" paradigm of aluminosilicates revisited

Likhanov I.I., Kozlov P.S., Nozhkin A.D., Ronkin Yu.L., Krylov A.A.

Mesoproterozoic picrite-picobasalt volcanism of the Yenisei ridge: petrogeochemistry, metamorphism, Rb-Sr и  $^{147}\text{Sm}$ - $^{143}\text{Nd}$  systematics

Mayorova T.P., Efanova L.I.

Precambrian stage of gold ore formation in the north of the Urals: characteristics and restrictions

Nozhkin A.D., Turkina O. M., Likhanov I.I., Ronkin Yu.L.

Evidence of Greenville age events at the western margin of the Siberian craton on example of granitoids of the Ryazanovsky massif (Yenisei ridge))

Semenov A.N., Polyansky O.P., Zinoviev S.V., Popov N.V., Nozhkin A.D.

Dissipative mechanism of granitoid generation of the Posolny massive in the South-Enisey ridge

Sirotkin A.N.

New occurrences of Vendian volcanics in the Spitsbergen archipelago: petrochemistry, absolute age and geodynamics

Slabunov A.I., Kervinen A.V., Salnikova E.B., Erofeeva K.G., Dubenskiy A.S.

A new Mesoproterozoic (1546 Ma) thermal event in the Central Karelian terrane of the Karelian Craton: results of zircon dating from Neoproterozoic felsic rock of the Kostomuksha greenstone belt

Slabunov A., Kervinen A., Sumit Mishra, Vinod K. Singh.

Neoproterozoic gabbro of the Southern-Bundelkhand terrane, Bundelkhand Craton: new geochronology data and geodynamic setting