



PROGRAMME OF PLENARY SESSIONS,  
SCIENTIFIC CONFERENCE  
“Early Precambrian vs Modern Geodynamics”

<b>29 May (Monday)</b>		
9.20-9.30 <b>Opening of the Conference</b>		
<i>Chairperson: Sergei Svetov</i>		
1	9.30-10.00	<b>Vrevsky A.B.</b> Early Precambrian geodynamics: facts and their interpretation
2	10.00-10.30	<b>Slabunov A.I.</b> Meso- and Neoproterozoic geodynamic processes: examples from the Fennoscandian and South African shields
3	10.30-11.00	<b>Thurston P.C.</b> , Goutier J. Archean Terrane relationships in the Superior Province: implications for tectonic models
	11.00-11.20	Coffee break
<i>Chairpersons: Shauket Baltybaev, Olga Turkina</i>		
4	11.20-11.40	<b>Mints M.V.</b> Deep structure of Superior Province and mantle-plume model of the North America Neoproterozoic evolution: integrated interpretation of geological and geophysical data
5	11.40-12.00	<b>Svetov S.A.</b> Subduction-accretion complexes in the architecture of the early continental crust
6	12.00-12.20	<b>Safonov O.G.</b> , Reutsky V.N., Golunova M.A., Butvina V.G., Yapaskurt V.O., Varlamov D.A., Shcherbakov V.D., van Reenen D.D. Carbon isotope characteristic as an indicator for the source of high-temperature granitoids in granulite complexes
	12.20-12.40	Coffee break
7	12.40-13.00	<b>Rusin A.I.</b> Precambrian prehistory of epi-oceanic collision Phanerozoic orogens
8	13.00-13.20	<b>Sharkov E.V.</b> , Bogina M.M., Chistyakov A.V. Large igneous provinces (LIPs) of continents throughout the Earth's history: from Archean to Late Cenozoic
9	13.20-13.40	<b>Medvedev P. V.</b> , Slabunov A. I., Svetov S. A. Archean Geodynamic settings on the Fennoscandian shield and the ecological niches of early life
10	13.40-14.00	<b>Kudryashov N.M.</b> , Mokrushin A.V. Mesoarchean gabbroanorthosite and related rocks (Kola region, Russia)
	14.00-15.10	Lunch
<i>Chairpersons: Alexander Vrevsky, Michael Mints</i>		
11	15.10-15.30	<b>Samsonov A.V.</b> , Stepanova A.V., Salnikova E.B., Arzamastsev A.A., Egorova S.V., Larionova Yu.O., Erofeeva K.G. Remnants of Paleoproterozoic LIPs in the Northern Fennoscandia: new age and geochemical data for mafic dyke swarms
12	15.30-15.50	<b>Kozlov P.S.</b> , Likhanov I.I. Meso–Neoproterozoic evolution of the Transangarian Yenisei Ridge
13	15.50-16.10	<b>Sviridenko L.P.</b> Mantle diapirism as a typical manifestation of Precambrian magmatic geotectonics
	16.10-16.30	Coffee break
14	16.30-16.50	<b>Savko K.A.</b> , Samsonov A.V., Bazikov N.S. Paleotectonic correlations of Vaalbara supercraton and Sarmatia megablock: evidence of joint geological history during 2.6-2.2 Ga
15	16.50-17.10	<b>Gulbin Yu.L.</b> , Sirotkin A.N. P–T paths and geodynamic evolution of the Precambrian bedrock of Ny Friesland, Spitsbergen
16	17.10-17.30	<b>Borovkov N. V.</b> Significance of Eastern Antarctic PR2 & PR3 - Cambrian Charnockites for Geodynamic Reconstructions of Rodinia and Gondwana Supercontinents
	17.30-18.00	Discussion of presentations

	18.15-20.00	Icebreaker party
<b>30 May (Tuesday)</b>		
<i>Chairpersons: Pentti Hölttä, Victor Balagansky</i>		
17	9.10 - 9.40	<b>Glebovitsky V.A.</b> , Sedova I.S. Rare element behaviour in rock-forming minerals upon high-grade metamorphism, granitization and migmatization on the Aldan Shield and their isotopic-geochronological periodization
18	9.40-10.00	<b>Turkina O.M.</b> Isotope-geochemical indicators of formation, stabilization and evolution of the Archean crust of granulite-gneiss terranes of the SE Siberian craton
19	10.00-10.20	<b>Shchipansky A.A.</b> Early Precambrian vs. Modern Boninite Series: Implications for the Geodynamic Evolution through Geological History
20	10.20-10.40	<b>Lobach-Zhuchenko S.B.</b> , Egorova Yu.S., Baltybaev Sh.K., Balagansky V.V., Stepanyuk L.M., Galankina O.L., Yurchenko A.V., Bogomolov E.S. Peridotites in Paleoproterozoic orthogneisses of the Bug granulite-gneiss terrain (Ukrainian Shield): composition and genetic models
	10.40-11.00	Coffee break
21	11.00-11.20	<b>Likhanov I.I.</b> , Krylov A.A., Nozhkin A.D., Kozlov P.S. Anticlockwise P–T evolution at ~ 1.75 Ga recorded from ultrahigh-temperature Fe- and Al-rich granulites, southern Yenisei Ridge: a possible link to mantle plume and implication for Proterozoic supercontinent tectonics
22	11.20-11.40	<b>Kozlov N.E.</b> , Martynov E.V., Sorokhtin N.O., Marchuk T.S. Petrogeochemical methods for reconstruction of geodynamic environments of formation of Early Precambrian complexes and their constraints
23	11.40-12.00	<b>Mints M.V.</b> , Sokolova E.Yu., Glaznev V.N. and LADOGA_WG. 3D model of deep crustal structure of the Svecofennian accretionary orogen (Finland, Russia): synthesis of geological mapping data, seismic and magnetotelluric profiling and gravimetric data
24	12.00-12.20	<b>Volodichev O.I.</b> , Maksimov O.A. Neoproterozoic Gridino eclogite-bearing complex: geodynamics, formation and evolution problems
25	12.20-12.40	<b>Li X.L.</b> , Zhang L.F., Wei C.J., Slabunov A.I. Petrology and U-Pb dating of eclogites from Uzkaya Salma, Belomorian Province (Russia)
26	12.40-13.00	<b>Yu H.L.</b> , Zhang L.F., Wei C.J., Li X.L., Guo J.-H. Age and P–T Conditions of the Gridino eclogite in the Belomorian Province, Russia
	13.00-14.30	Lunch
<i>Chairpersons: Alexander Samsonov, Oleg Volodichev</i>		
27	14.30-14.50	<b>Berezin A.V.</b> , Skublov S.G., Mel'nik A.E. Age and composition of a protolith of eclogites of the Belomorian Mobile Belt
28	14.50-15.10	<b>Shchipansky A.A.</b> , Sidorov M.Yu., Balagansky V.V. UHP eclogitic rocks from the Belomorian Belt, Baltic Shield: strong evidence for a deep subduction in the Archean
29	15.10-15.30	<b>Sidorov M.Yu.</b> , Shchipansky A.A. Carbon minerals in the UHP eclogites and eclogitic rocks of the Belomorian province: results of a study by the Raman spectroscopy
30	15.30-15.50	<b>Balagansky V.V.</b> , Gorbunov I.A., Mudruk S.V., Sibelev O.S. Kinematics of main deformations during Early Precambrian orogenies and exhumation of eclogites in the northwestern Baltic shield
	15.50-16.00	Coffee break
31	16.00-16.20	<b>Kozlovskii V.M.</b> , Travin V.V., Korpechikov D.I., Zaitseva M.N., Kurdyukov E.B., Travin A.V., Terent'eva L.B., Savatenkov V.M. Gently Sloping Shear Zones in the Belomorian Mobile Belt: Geology, Age, and P–T Parameters.
32	16.20-16.40	<b>Babarina I.I.</b> , Stepanova A.V., Azimov P.Ya., Serebryakov N.S., Egorova S.V. Tectonic heterogeneity in the SW foreland of the Lapland—Kola orogen, Central Belomorian Province, Fennoscandian shield
33	16.40-17.00	<b>Azimov P.Ya.</b> , Slabunov A.I., Stepanova A.V., Serebryakov N.S., Babarina I.I. The Paleoproterozoic High-Pressure Granulites in the Belomorian Province of the

		Fennoscandia: the petrological evidences for continent-continent collision
	17.00 -17.20	Coffee break
34	17.20-17.40	<b>Stepanova A.V.</b> , Stepanov V.S., Azimov P.Ya., Babarina I.I., Egorova S.V., Larionov A.N., Larionova Yu.O. "Drusites" of the Belomorian province, Eastern Fennoscandia: a series of short distinct igneous events
35	17.40-18.00	<b>Azimov P.Ya.</b> , Stepanova A.V., Egorova S.V., Serebryakov N.S., Babarina I.I. Initial Late Paleoproterozoic low/middle-pressure granulite metamorphism in the Belomorian Province of the Fennoscandia
36	18.00-18.20	<b>Dokukina K.A.</b> Coupled high-pressure Partial Melting of TTG gneiss and Mafic rocks in the Belomorian Eclogite Province, Russia
	18.20-18.50	Discussion of presentations
<b>31 May (Wednesday)</b>		
<i>Chairpersons Phil Thurston, Alexandra Stepanova</i>		
37	9.00 - 9.20	<b>Pentti H.</b> Metamorphic map of Finland
38	9.20 - 9.50	<b>Baltybaev Sh.K.</b> Svecofennian orogen: asynchronicity of endogenic activity and tectonic zonation potential
39	9.50-10.10	<b>Bayanova T.B.</b> , Korgagin A.Y., Chashchin V.V., Subbotin V.V., Serov P. A., Elizarov D.V., Kamensky I. L., Nerovich L.I. , Drogobuzhskaya S.V. Significance of baddeleyite for plume processes in Arctic region (N-E part of the Fennoscandinavian Shield) from AR no PZ time
40	10.10-10.30	<b>Kaulina T.V.</b> , Elzarov D.V., Lialina L.M., Avedisyan A.A., Il'chenko V.L., Samigulin R.R. The behavior of Rb-Sr and U-Pb systems in rocks and minerals of the Litsevsky uranium ore field (Kola Peninsula)
	10.30-10.50	Coffee break
41	10.50-11.10	<b>Pystin A.M.</b> , Ulyasheva N.S., Kushmanova E.V., Pystina Yu.I., Panfilov A.V., Potapov I.L. The High Pressure Complexes of the North of the Urals: structure, material composition, geodynamics situations of formation of protolithes, age
42	11.10-11.30	<b>Sukhorukov V.P.</b> , Turkina O.M. UHT metamorphism occurrence in Yenisei Ridge (Russia): petrological evidences and U-Pb age
43	11.30-11.50	<b>Filippov M.M.</b> Evolution synchronicity of Paleoproterozoic Shunga phenomenon in similar basins
44	11.50-12.10	<b>Rundkvist T.V.</b> , Pripachkin P.V., Groshev N.Yu., Miroshnikova Ya.A. Magmatic megabreccia in the Early Proterozoic mafic-ultramafic Monchegorsk complex (Kola region)
	12.10-13.20	<b>Session of short reports and posters</b>
	13.20-14.20	Lunch
<i>Chairpersons: Andrey Shchipansky, Victor Glebovitsky</i>		
45	14.20-14.40	<b>Myskova T. A.</b> , Milkevich R. I., Zhitnikova I.A., Lvov P.A. Neoproterozoic Volcanic rocks from Khedo-Bolshozero Structure, Eastern Karelia: geochemistry, age, geodynamics setting
46	14.40-15.00	<b>Astafiev B.Yu.</b> , Voinova O.A. Geological structure and age of corundum-containing rocks of Kiyostrov archipelago (Russia)
47	15.00-15.20	<b>Gorbunov I. A.</b> , Balagansky V.V., Mudruk S.V. Spiral-shaped microfabrics of a rock matrix in shear zones of the Keivy terrane, northeastern Baltic Shield.
	15.20-15.40	Coffee break
48	15.40-16.00	<b>Kuleshevich L.V.</b> Gold mineralization in Karelia: geodynamic position, regularities of localization and formation conditions
49	16.00-16.20	Slabunov A.I., <b>Sibelev O.S.</b> , Li X.L. Neoproterozoic post-kinematic peraluminous granites in the Gridino mélangé zone (Belomorian Province, Fennoscandinavian Shield): geology, age and geodynamic setting
50	16.20-16.40	<b>Slabunov A.I.</b> , Singh V.K. Central Bundelkhand greenstone complex of the

		Bundelkhand Craton, India: new geochronological data, a geodynamic setting and the position of the craton in the Kenorland Supercontinent
16.40-17.10		<b>General discussion, closing of the Conference.</b>

## List of short reports and posters

Arestova N. A., Chekulaev V. P. The composition of the volcanic rocks of Karelia as the reflection of conditions the crust formation in Meso – Neoproterozoic formations of the Baltic shield

Bogina M.M., Zlobin V.L. Early Paleoproterozoic (~2.45 Ga) mafic volcanic rocks of the Kola Craton: petrogeochemical and isotope-geochemical data

Bozhko N.A. Granulite belts in supercontinental cycles

Chashchin V.V. Oceanization processes in the continental crust of the eastern Fennoscandian shield

Dokukina K.A., Mints M.V., Konilov A.N. Melting of eclogitized sedimentary rocks in the Belomorian Eclogite Province, Russia

Drogobuzhskaya S., Bayanova T., Lyalina L. Geochemical investigations of baddeleyite from the Paleoproterozoic mafic and Paleozoic alkaline intrusions (Kola Peninsula) by LA-ICP-MS

Felitsyn S.B., Alfimova N.A., Matrenichev V.A., Bogomolov E.S. Sm-Nd and Rb-Sr systematics from Si- and Fe-rich bands of banded iron formations (Kola peninsula, Karelia and East-European Craton)

Gordon F.A., Akimova E.Yu. The distribution specifics of precious metals mineralization in the North-East part of Hautavaara Structure (South Karelia)

Imamverdiyev N.A., Romanko A.E., Veliyev A.A., Gasanguliyeva M.Y. The role of the lithosphere menthy in the origine of the late-Cenozoic collision volcanism of the Lesser Caucasus Ivanov K.S., Erokhin Yu.V., Kozlov P.S., Likhanov I.I., Khiller V.V. Precambrian complexes of West Siberia and its flanking

Kartushinskaya T.V., Balagansky V.V., Kaulina T.V. Petrography, petrochemistry and age of some felsic veins spatially associated with eclogite of the Belomorian province (Baltic shield)

Kolyadina A.I. Comparative analysis of Paleoproterozoic greenstone structures gold-uranium mineralization on the example of Lapland Belt, Kuusamo Belt, Belt of Perapochia, Kuolayarvinsky and Onega depressions

Kondrashova N.I. Indicator potential of the trace elements of igneous rocks in reconstructing their geodynamic setting (exemplified by the Paleoproterozoic evolution of the Karelian Craton, Baltic Shield)

Kyrylyuk V.P. "Geodynamics" and Early Precambrian shield geology of Cratons

Lubnina N.V., Slabunov A.I. Architecture of Neoproterozoic Kenorland Supercontinent: testing by new paleomagnetic data for Karelian Craton granulites

Maslov V.A. Precambrian evolution of the Rucker granite-greenstone Terrane of East Antarctica: structural settings, age and geological sequence of events, geodynamic analysis.

Melnichenko A.K., Varzieva T.B. Geodynamics and metallogenics of the Vendian and Ordovician greenschist metamorphic rocks of Central Tajikistan (South-West Tian-Shan)

Nesterova N.S., Slabunov A.I., Rizvanova N.G. Comparative analysis of the isotope ages of titanites, apatites, zircons (U-Pb) and amphiboles (Ar-Ar) in the eastern part of the Kaapwaal craton

Polyansky O.P., Prokopiev A.V., Koroleva O.V., Tomshin M.D., Reverdatto V.V., Babichev A.V., Travin A.V., Vasiliev D.A. Combine plume-assisted and plate stretching mechanism of rifting and dating of the Yakutsk–Vilyui dyke swarms (Eastern Siberia)

Slabunov, A.I.; Singh, V.K., Shchiptsov, V.V., Lepekhina E. N., Kevlich V.I. A new Paleoproterozoic (1.9-1.8 Ga) event in the crustal evolution of the Bundelkhand Craton, India: the results of SHRIMP dating of zircons from giant quartz veins

Terekhov E. N., Shcherbakova T. F., and Konilov A. N. Olivine-Bearing Rocks of the Lapland Granulite Belt as possible analogues of the piclogites from deep zones of the lithosphere (Baltic Shield)

Tsybulyaev S.V. Paleoproterozoic bimodal volcanism of the Kursk block, eastern Sarmatia: geochemical classification and melts sources

Vrevsky A.B. Characteristics of Neoproterozoic plume-lithospheric processes in the Kola-Norwegian Province of the Fennoscandian Shield