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THE FUNDAMENTAL RESEARCHES FINANCING BRANCH
“COGNITIVE MODELING IN THE SCIENCES ABOUT THE EARTH” (“ONZ”)
OF “THE SF "SFA CMT" NAMED AFTER N.A. PROKOPENKO”

The developed “The fundamental researches financing branch
"Cognitive modeling in the sciences about The Earth"” (“ONZ”) treats to the fundamental researches financing divisions of “The scientific fund "System and financial analysis based on cognitive modeling technology" named after N.A. Prokopenko” (“The SF "SFA CMT" named after N.A. Prokopenko” – The SF) as the first SF in structure of “The SIO "Academy of cognitive natural sciences”” (“The SIO "ACNS””), an additional component of science and education system of the modern country for the financing of creation, distribution and use of the fundamental main and derivative scientific results of the cognitive modeling technology (CMT) (www.vetrovan.(spb.)ru) [see the fundamental researches financing branches and departments of The SF]:

- 1) it is executed by the principle of “administrative-economy submission”;
- 2) works in several main directions, which allow to provide the financing of development, production and promotion of the fundamental main and derivative scientific results (my second report on SRW from 2006-2008(9) y. was submitted to “The SPbSETU "LETI”” and The Government of The RF for the translation, carrying out of int. action and receiving of “The Nobel Prize”);
- 3) includes several various main divisions:
I. “The fundamental researches financing department "The theory of the geo-physics, geology, mining and metallurgy”” (“SGGGGN”)
[the financing of fundamental researches and developments in area “ T h e o r e t i c a l g e o - p h y s i c s ” –
theory of geo-magnetism and high layers of atmosphere, theory of meteorology, theory of climatology, theory of oceanology, theory of hydrology of land, theory of glaciology, theory of physics of The Earth, theory of cognitive modeling technology in theoretical geo-physics, geology, mining and metallurgy;

the financing of fundamental researches and developments in area “ T h e o r e t i c a l g e o l o g y ” – theory of lithology, theory of tectonics, theory of geological-geo-physical researches of deep structure of The Earth, theory of regional geology, theory of planetology, theory of stratigraphy, theory of paleontology, theory of geo-chemistry, theory of mineralogy, theory of petrography, theory of experimental and technical mineralogy and petrography, theory and methods of mineralogical-petrographical and geo-chemical laboratory researches, theory of anthropogenic period, theory of neo-tectonics, theory of geo-morphology, theory of ore minerals geology, theory of nonmetallic minerals geology, theory of geology of fields of oil, gas and condensates, theory of geology of deposits of coal, bituminous breeds and peat, theory of methods of search and investigation of minerals deposits, theory of technics and technology of geological-prospecting works, theory of hydro-geology, theory of engineering geology, theory of frozen condition of ground, theory of cognitive modeling technology in t h e o r e t i c a l g e o l o g y ;

the financing of fundamental researches and developments in area “ T h e o r e t i c a l m i n i n g ” – theory of technics and technology of development of deposits of firm minerals, theory of development of deposits of ferrous metals ores, theory of development of deposits of ores and looses of color and rare metals and diamonds, theory of development of deposits of coal and combustible slates, theory of development of peat deposits, theory of development of deposits of building and road materials, fire-resistant, ceramic, glass and mineral technical raw materials, theory of development of deposits of chemical and agricultural-chemistry raw materials and salts, theory of development of deposits precious and ornamental stones, theory of enrichment of minerals, theory of development of oil and gas deposits, theory of cognitive modeling technology in t h e o r e t i c a l m i n i n g ;

the financing of fundamental researches and developments in area “ T h e o r e t i c a l m e t a l l u r g y ” – theory of metallurgical processes, theory of metallurgical heating-engineering, theory of manufacture of ferrous metals and alloys, theory of manufacture of nonferrous metals and alloys, theory of powder metallurgy, theory of metallurgy of semi-conductors, theory of rolling manufacture, theory of drawing and hardware manufacture, theory of pipes manufacture, theory of metallurgical science, theory of technical analysis in metallurgy, theory of cognitive modeling technology in t h e o r e t i c a l m e t a l l u r g y] .

II. "The fundamental researches financing department
"The theory of the oceanology, structure and physics of atmosphere,
geodesy, cartography and geography of The Earth and planets" ("SOFAG")
[the financing of fundamental researches and developments in area
"Theoretical oceanology" –
 theory of oceanology, theory of applied oceanology,
 theory of aerial-photograph and photo-metrology, theory of topography,
 theory of photo-topography, theory of cartography, theory of oceanography,
 theory of mapping of underwater world of The Earth and planets,
 theory of cognitive modeling technology
 in theoretical oceanography;
the financing of fundamental researches and developments in area
"Theoretical structure of atmosphere" –
 theory of structure of atmosphere, theory of aerial-photograph and photo-metrology,
 theory of topography, theory of photo-topography, theory of cartography,
 theory of planetodesy of atmospheres, theory of atmosphere mapping of The Earth and planets,
 theory of cognitive modeling technology
 in theoretical structure of atmosphere;
the financing of fundamental researches and developments in area
"Theoretical physics of atmosphere" –
 theory of questions of atmosphere of The Earth and planets,
 theory of general problems of atmosphere physical experiment,
 theory of physics of elementary particles of atmosphere,
 theory of atmosphere fields, theory of physics of atmosphere gases and liquids,
 theory of thermo-dynamics and statistical physics of atmosphere,
 theory of physics of atmosphere micro-disperse firm bodies,
 theory of physics of atmosphere plasma, theory of physics of atom and molecule of atmosphere,
 theory of atmosphere optics, theory of atmosphere radio-physics, theory of atmosphere acoustics,
 theory of cognitive modeling technology
 in theoretical physics of atmosphere;
the financing of fundamental researches and developments in area
"Theoretical geodesy and cartography" –
 theory of supreme geodesy, theory of applied geodesy,
 theory of aerial-photograph and photo-metrology, theory of topography, theory of photo-topography,
 theory of cartography, theory of selenodesy, theory of planetodesy,
 theory of mapping of The Moon and planets,
 theory of cognitive modeling technology
 in theoretical geodesy and cartography;
the financing of fundamental researches and developments in area
"Theoretical geography" –
 theory of geography, theory of historical geography, theory of military geography,
 theory of physical geography, theory of economical and social geography,
 theory of regional geography, theory of medical geography and theory of toponymics,
 theory of cognitive modeling technology
 in theoretical geography] .

The fundamental researches financing branches and departments of The SF
 allow to the financing of development, production and promotion
 of the main and derivative scientific results of CMT.