

“The XI<sup>th</sup> international scientific-methodical conference  
"Quality management in modern High school"  
on the 30<sup>th</sup> of October 2013 y.

The theme of scientific report:

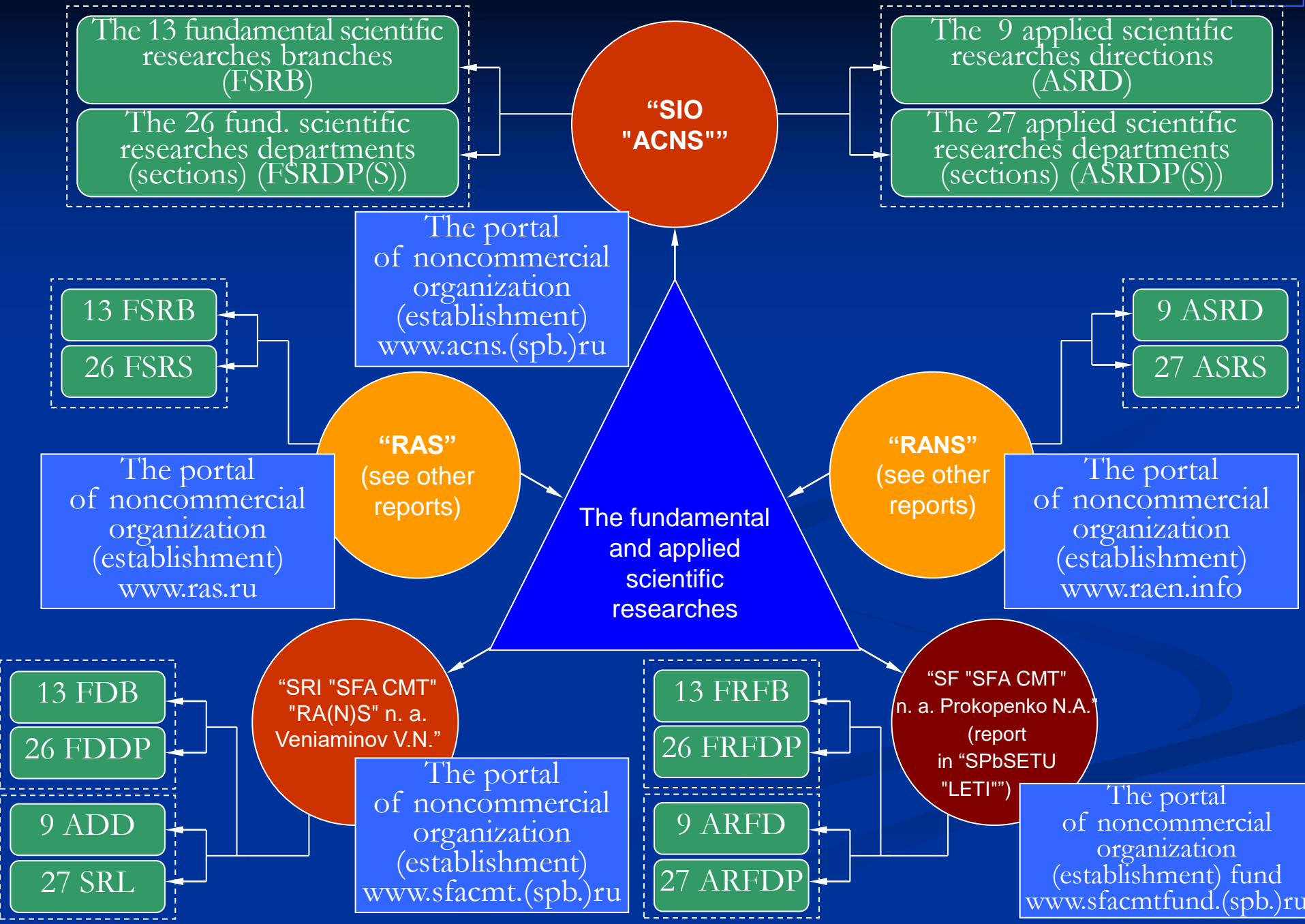
2. *“The fundamental scientific researches  
financing divisions (at the microscopic level)  
of “SF “SFA CMT” n. a. Prokopenko N.A.””*

3. *“The applied scientific researches  
financing divisions (at the microscopic level)  
of “SF “SFA CMT” n. a. Prokopenko N.A.””*

*The section “Educational politics  
and new technologies of teaching”*

The reporter: the author of the unique cognitive modeling technology  
on spec. 01.02.01, 05.13.01, 05.13.10, 19.00.03, 08.00.10 Vetrov A.N.

The Russian Federation, Saint-Petersburg city, 2013 y.



The fundamental scientific researches financing (management) divisions of "SF "System and financial analysis based on cognitive modeling technology" named after Prokopenko N.A." ("SIO "Academy of cognitive natural sciences") (F1)

1. The fundamental scientific researches (management) fin. divisions (see "SIO "ACNS" and "SRI "SFA CMT" of "RA(N)S" n. a. Veniaminov V.N."

the basis for the analysis and increase of efficiency of functioning of the organizational structure

A.1. FRFB – the fundamental researches financing branch [see FDB – the fund. developments (SR – scientific researches) branch] "Cognitive modeling in the mathematical sciences" ("OMN")

A.1.1. FRFDP – the fundamental researches financing department [see FDDP – the fundamental developments department (FSRS(DP) – the fundamental scientific researches section (department))] "The (dev. of) theory of mathematics and the complex system analysis based on the cognitive modeling technology" ("SM") (\*)

A.1.2. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of cybernetics and (cognitive) informatics ("SPMI")(\*)

Tasks and problems at the micro level

A.2. FRFB[FD(SR)B] "Cognitive modeling in the physical sciences" ("OFN")

A.2.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of physics, astronomy and space researches" ("SOFA")(\*)

A.2.2. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of nuclear physics and physics of nucleus kernel" ("SYF")(\*)

Tasks and problems at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis of "SF "SFA CMT" n. a. Prokopenko N.A." ("SIO "ACNS") at the realization stage

The fundamental scientific researches financing (management) divisions of “SF “System and financial analysis based on cognitive modeling technology” named after Prokopenko N.A.” (“SIO “Academy of cognitive natural sciences””) (F2)

1. The fundamental scientific researches (management) fin. divisions (see “SIO “ACNS”” and “SRI “SFA CMT” of “RA(N)S” n. a. Veniaminov V.N.”

the basis for the analysis and increase of efficiency of functioning of the organizational structure

A.3. FRFB[FD(SR)B] “Cognitive modeling in the nano-technologies and information technologies” (“ONIT”)

A.3.1. FRFDP[FDDP(FSRS(DP))] “The (development of) theory of electronics, radio-engineering and connection” (“SVLTSEB”)

A.3.2. FRFDP[FDDP(FSRS(DP))] “The (development of) theory of automatics, computer engineering and the system analysis based on the cognitive modeling technology” (“SITA”)(\*)

A.3.3. FRFDP[FDDP(FSRS(DP))] “The (development of) theory of nano-technologies for the mechanical-engineering, instrument-making, polygraphy, reprography and foto-cinema-technics, easy and food-processing industry, transport, architecture and construction” (“SNT”)(\*)

Tasks and problems at the micro level

A.4. FRFB[FD(SR)B] “Cognitive modeling in the exact sciences” (“OEMMPU”)

A.4.1. FRFDP[FDDP(FSRS(DP))] “The (development of) theory of (theoretical) mechanics and gyroscopes” (“SM”)(\*)

A.4.2. FRFDP[FDDP(FSRS(DP))] “The (development of) theory of mechanical-engineering, instrument-making and metrology” (“SPMPU”)

A.4.3. FRFDP[FDDP(FSRS(DP))] “The (development of) theory of power-engineering and electrical-engineering” (“SE”)

Tasks and problems at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis of “SF “SFA CMT” n. a. Prokopenko N.A.” (“SIO “ACNS””) at the realization stage

The fundamental scientific researches financing (management) divisions of "SF "System and financial analysis based on cognitive modeling technology" named after Prokopenko N.A." ("SIO "Academy of cognitive natural sciences"") (F3)

1. The fundamental scientific researches (management) fin. divisions (see "SIO "ACNS" and "SRI "SFA CMT" of "RA(N)S" n. a. Veniaminov V.N."

the basis for the analysis and increase of efficiency of functioning of the organizational structure

A.5. FRFB[FD(SR)B] "Cognitive modeling in the industry and chemical sciences" ("OHNM")

A.5.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of the easy, food, wood and wood-processing industry, the architecture and constructions, the agricultural, wood, water, fish economy and aqua-culture" ("SNM")(\*)

A.5.2. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of chemistry, chemical technology and chemical industry" ("SCHN")

Tasks and problems at the micro level

A.6. FRFB[FD(SR)B] "Cognitive modeling in the biological sciences" ("OBN")

A.6.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of biology and pharmacology" ("SOB")

A.6.2. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of physical-chemical bio-technology" ("SFCHB")(\*)

Tasks and problems at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis of "SF "SFA CMT" n. a. Prokopenko N.A." ("SIO "ACNS"") at the realization stage

The fundamental scientific researches financing (management) divisions of "SF "System and financial analysis based on cognitive modeling technology" named after Prokopenko N.A." ("SIO "Academy of cognitive natural sciences"") (F4)

1. The fundamental scientific researches (management) fin. divisions (see "SIO "ACNS" and "SRI "SFA CMT" of "RA(N)S" n. a. Veniaminov V.N."

the basis for the analysis and increase of efficiency of functioning of the organizational structure

A.7. FRFB[FD(SR)B] "Cognitive modeling in the physiology, fundamental medicine and public health service" ("OFFM")

A.7.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of physiology, bio-physiology and private physiology" ("SF")(\*)

A.7.2. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of medicine, public health services, labor safety, environment preservation and ecology of person" ("SFM")(\*)

Tasks and problems at the micro level

A.8. FRFB[FD(SR)B] "Cognitive modeling in the sciences about The Earth" ("ONZ")

A.8.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of geo-physics, geology, mining and metallurgy" ("SGGGGN")

A.8.2. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of oceanology, structure and physics of atmosphere, geodesy, cartography and geography of The Earth and planets" ("SOFAG")

Tasks and problems at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis of "SF "SFA CMT" n. a. Prokopenko N.A." ("SIO "ACNS"") at the realization stage

The fundamental scientific researches financing (management) divisions of "SF "System and financial analysis based on cognitive modeling technology" named after Prokopenko N.A." ("SIO "Academy of cognitive natural sciences"") (F5)

1. The fundamental scientific researches (management) fin. divisions (see "SIO "ACNS"" and "SRI "SFA CMT" of "RA(N)S" n. a. Veniaminov V.N."

the basis for the analysis and increase of efficiency of functioning of the organizational structure

A.9. FRFB[FD(SR)B] "Cognitive modeling in the social sciences" ("OON")

A.9.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of social sciences, philosophy, science-study, politics and political sciences, sociology, (cognitive) psychology, state, law and jurisprudential sciences, patenting business, invention and rationalization work" ("SFPSPP")(\*)

A.9.2. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of economics and economic sciences, organization, management, statistics and the financial analysis based on the cognitive modeling technology" ("SE")(\*)

Tasks and problems at the micro level

A.10. FRFB[FD(SR)B] "Cognitive modeling in the global problems and international relations" ("OGPMO")

A.10.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of demography, pedagogics and national education, standardization, complex studying of separate countries and regions, general and complex problems of natural, exact, technical, public, applied sciences and manufacture branches" ("SGP")

A.10.2. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of culture and cultural-science, art and art-science, mass communication, journalism and mass media means, religion, internal trade and tourist-excursion service, external trade, transport, housing-communal services, housekeeping and consumer services at the international level" ("SMO")

Tasks and problems at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis of "SF "SFA CMT" n. a. Prokopenko N.A." ("SIO "ACNS"") at the realization stage

The fundamental scientific researches financing (management) divisions of "SF "System and financial analysis based on cognitive modeling technology" named after Prokopenko N.A." ("SIO "Academy of cognitive natural sciences"") (F6)

1. The fundamental scientific researches (management) fin. divisions (see "SIO "ACNS" and "SRI "SFA CMT" of "RA(N)S" n. a. Veniaminov V.N."

the basis for the analysis and increase of efficiency of functioning of the organizational structure

A.11. FRFB[FD(SR)B] "Cognitive modeling in the historical-philological sciences" ("OIFN")

A.11.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of history and historical sciences" ("SI")

A.11.2. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of science of language, (cognitive) linguistics, literature, study of literature and oral national creativity" ("SYL")(\*)

Tasks and problems at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis of "SF "SFA CMT" n. a. Prokopenko N.A." ("SIO "ACNS"") at the realization stage



The fundamental scientific researches financing (management) divisions of "SF "System and financial analysis based on cognitive modeling technology" named after Prokopenko N.A." ("SIO "Academy of cognitive natural sciences"") (F7)

1. The fundamental scientific researches (management) fin. divisions (see "SIO "ACNS" and "SRI "SFA CMT" of "RA(N)S" n. a. Veniaminov V.N."

the basis for the analysis and increase of efficiency of functioning of the organizational structure

A.12. FRFB[FD(SR)B] "Cognitive modeling in the sports sciences" ("OSN")

Tasks and problems at the micro level

A.12.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of competitions, sport and sports sciences" ("STSSSN")

A.13. FRFB[FD(SR)B] "Cognitive modeling in the military sciences" ("OVN")

Tasks and problems at the micro level

A.13.1. FRFDP[FDDP(FSRS(DP))] "The (development of) theory of architecture, construction, technics, history, education, politics and economics in the armed forces" ("STASTIOPEVS")

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis of "SF "SFA CMT" n. a. Prokopenko N.A." ("SIO "ACNS"") at the realization stage

The applied scientific researches financing (management) divisions of "SF "System and financial analysis based on cognitive modeling technology" named after Prokopenko N.A." ("SIO "Academy of cognitive natural sciences"") (A1)

2. The applied scientific researches (management) fin. divisions (see "SIO "ACNS"" and "SRI "SFA CMT" of "RA(N)S" n. a. Veniaminov V.N."

the basis for the analysis and increase of efficiency of functioning of the organizational structure

B.1. ARFD – the applied researches financing direction [see ASR(D)D – the applied scientific researches (developments) direction] "Cognitive modeling in the natural sciences" ("NEN")

B.1.1. ARFDP[ASRS(DP)(SRL)] "The (research of) applications of (cognitive) informatics, cybernetics, automatics, computer engineering, data transmission and connection" ("SIC")(\*)

B.1.2. ARFDP[ASRS(DP)(SRL)] "The (research of) applications of mathematics, mathematical physics, mechanics, metrology, astronomy, space researches, the complex system analysis based on CMT and complex problems of natural sciences" ("SMMF")(\*)

B.1.3. ARFDP[ASRS(DP)(SRL)] "The (research of) applications of geo-chemical ecology and preservation of environment" ("SNOS")

B.1.4. ARFDP[ASRS(DP)(SRL)] "The (research of) applications of the models of The Earth and The Solar system planets in the geography, geology, geodesy and cartography, astronomy and other sciences" ("SNZ")(\*)

B.1.5. ARFDP[ASRS(DP)(SRL)] "The (research of) applications of the models, methods and technologies of geology of oil and gas and oil and gas industry" ("SNG")

B.1.6. ARFDP[ASRS(DP)(SRL)] "The (research of) applications of the system analysis based on CMT, prediction, standardization, unification and complex problems of exact technical sciences" ("SSAP")(\*)

B.1.7. ARFDP[ASRS(DP)(SRL)] "The (research of) applications of theor. and exp. physics, geo-physics, power-engineering, electrical-engineering, electronics and radio-engineering, nuclear physics, technics and instrument-making" ("SF")(\*)

B.1.8. ARFDP[ASRS(DP)(SRL)] "The (res. of) applications of (non)organic chemistry, crystallography, mineralogy and chemical industry" ("SH")(\*)

Tasks and problems at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis of "SF "SFA CMT" n. a. Prokopenko N.A." ("SIO "ACNS"") at the realization stage

The applied scientific researches  
financing (management) divisions  
of “SF “System and financial analysis based on  
cognitive modeling technology” named after Prokopenko N.A.”  
 (“SIO “Academy of cognitive natural sciences”) (A2)

2. The applied scientific researches (management)  
fin. divisions (see “SIO “ACNS”  
and “SRI “SFA CMT” of “RA(N)S” n. a. Veniaminov V.N.”

the basis for the analysis and increase of efficiency  
of functioning of the organizational structure

B.2. ARFD[ASR(D)D] “Cognitive modeling  
in the applied technical sciences and technologies” (“NNT”)

B.2.1. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of mining and metallurgy” (“SGM”)

B.2.2. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of the sciences about wood and wood processing” (“SNL”)

B.2.3. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of the noo-sphere knowledge and technologies:  
the (heavy) mechanical-engineering, instrument-making, polygraphy,  
reprography and foto-cinema-technics, easy and food-processing industry,  
transport, architecture, construction and other branches” (“SNZT”)(\*)

B.2.4. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of the scientific problems of agro-industrial complex” (“SNPAK”)

Tasks and problems  
at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis  
of “SF “SFA CMT” n. a. Prokopenko N.A.” (“SIO “ACNS”) at the realization stage

The applied scientific researches  
financing (management) divisions  
of “SF “System and financial analysis based on  
cognitive modeling technology” named after Prokopenko N.A.”  
 (“SIO “Academy of cognitive natural sciences””) (A3)

2. The applied scientific researches (management)  
fin. divisions (see “SIO “ACNS””  
and “SRI “SFA CMT” of “RA(N)S” n. a. Veniaminov V.N.”

the basis for the analysis and increase of efficiency  
of functioning of the organizational structure

B.3. ARFD[ASR(D)D] “Cognitive modeling  
in the geo-political sciences and researches” (“NSGI”)

B.3.1. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of geo-politics and safety” (“SGB”)

B.3.2. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of classical and military history” (“SVIT”)

Tasks and problems  
at the micro level

B.4. ARFD[ASR(D)D] “Cognitive modeling in the society steady development  
of post-industrial country” (“NURS”)

B.4.1. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of the complex problems of country development” (“SPUR”)(\*)

Tasks and problems  
at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis  
of “SF “SFA CMT” n. a. Prokopenko N.A.” (“SIO “ACNS””) at the realization stage

The applied scientific researches  
financing (management) divisions  
of “SF “System and financial analysis based on  
cognitive modeling technology” named after Prokopenko N.A.”  
 (“SIO “Academy of cognitive natural sciences”) (A4)

2. The applied scientific researches (management)  
fin. divisions (see “SIO “ACNS”  
and “SRI “SFA CMT” of “RA(N)S” n. a. Veniaminov V.N.”

the basis for the analysis and increase of efficiency  
of functioning of the organizational structure

B.5. ARFD[ASR(D)D] “Cognitive modeling  
in the social-economic and jurisprudential sciences” (“NSEPP”)

B.5.1. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of the inter-branch jurisprudential and economic system  
researches of society and country” (“SMEESI”)

B.5.2. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of the complex problems of micro-(macro-)economics,  
social sphere and market economy of the country” (“SPMSRH”).

B.5.3. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of economics, management, sociology, statistics  
and their other branches” (“SES”)

B.5.4. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of the financial analysis, accounting and audit  
of the (credit) organization based on  
the cognitive modeling technology” (“SFABUA”)(\*)

Tasks and problems  
at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis  
of “SF “SFA CMT” n. a. Prokopenko N.A.” (“SIO “ACNS”) at the realization stage

**The applied scientific researches  
financing (management) divisions  
of “SF "System and financial analysis based on  
cognitive modeling technology" named after Prokopenko N.A.”  
 (“SIO "Academy of cognitive natural sciences"”) (A5)**

**2. The applied scientific researches (management)  
fin. divisions (see “SIO "ACNS”  
and “SRI "SFA CMT" of "RA(N)S" n. a. Veniaminov V.N.”**

the basis for the analysis and increase of efficiency  
of functioning of the organizational structure

**B.6. ARFD[ASR(D)D] “Cognitive modeling  
in the biological and medical sciences” (“NBME”)**

**B.6.1. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of biology, ecology and physiology of plants” (“SBE”)**

**B.6.2. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of bio-technology, bio-medicine, ergonomics and labor safety  
of organic individuals” (“SB”)(\*)**

Tasks and problems  
at the micro level

**B.7. ARFD[ASR(D)D] “Cognitive modeling  
in the humanitarian sciences, art and creativity” (“NGNOT”)**

**B.7.1. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of (cognitive) linguistics, (national) creativity,  
culture, art and religion” (“SGNT”)(\*)**

**B.7.2. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of literature, science-study, philosophy,  
journalism and mass communication means” (“SLPZ”)**

**B.7.3. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of the problems of (cognitive) psychology, education, science and supports  
of young scientists (the grants programs and others)” (“SPOPMU”)(\*)**

**B.7.4. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of the innovations of the project "The Russian encyclopedias", philosophy of science,  
technics and technology on branches of knowledge” (“SRE”)**

Tasks and problems  
at the micro level

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis  
of “SF "SFA CMT" n. a. Prokopenko N.A.” (“SIO "ACNS””) at the realization stage

The applied scientific researches  
financing (management) divisions  
of “SF “System and financial analysis based on  
cognitive modeling technology” named after Prokopenko N.A.”  
 (“SIO “Academy of cognitive natural sciences””) (A6)

2. The applied scientific researches (management)  
fin. divisions (see “SIO “ACNS””  
and “SRI “SFA CMT” of “RA(N)S” n. a. Veniaminov V.N.”

the basis for the analysis and increase of efficiency  
of functioning of the organizational structure

B.8. ARFD[ASR(D)D] “Cognitive modeling  
in the physical training and sport” (“NFS”)

Tasks and problems  
at the micro level

B.8.1. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of sport, sports sciences and actions” (“SSSNM”)

B.9. ARFD[ASR(D)D] “Cognitive modeling  
in the military sciences” (“NVN”)

Tasks and problems  
at the micro level

B.9.1. ARFDP[ASRS(DP)(SRL)] “The (research of) applications  
of architecture, construction, technics,  
history, education, politics and economics  
in the armed forces” (“SASTIOPEVC”)

Note: the scientific researches financing divisions in the field of the system, financial and complex analysis  
of “SF “SFA CMT” n. a. Prokopenko N.A.” (“SIO “ACNS””) at the realization stage