

INTERNATIONAL
SCIENCE AND TECHNOLOGY
CENTER
Luganskaya ulitsa, 9
PO Box 25, 115516 Moscow,
Russian Federation
Tel: +7 (095) 982-3200
Fax: +7 (095) 982-3201
E-mail: istcinfo@istc.ru; <http://www.istc.ru>



МЕЖДУНАРОДНЫЙ
НАУЧНО-ТЕХНИЧЕСКИЙ
ЦЕНТР
Луганская улица, 9
А/Я 25, 115516 Москва,
Российская Федерация
Тел: +7 (095) 982-3200
Факс: +7 (095) 982-3201
E-mail: istcinfo@istc.ru; <http://www.istc.ru>

Projects Approved for Funding by ISTC Governing Board at the 38th Funding Session

1. Newly Approved Projects

2975 New Methods of Interpretation of New Satellite Data on the Earth Gravity Field and Its Temporal Variations: Development and Applications

Project Manager: Tsybin N N; Leading Institution: Research Institute of Aviation Systems (Moscow); Supporting Institution: Institute of Physics of the Earth (Moscow); Collaborators: Ecole et Observatoire des Sciences de la Terre (Strasbourg, France), Institut de Physique du Globe (Paris, France), United States Geological Survey (Menlo Park, CA, USA); Duration: 36 months; Funding parties: EU

3024 Semiconductor Coordinate-Sensitive Detectors of Radiation Particles on Basis of Functionally Integrated Pixel Structures

Project Manager: Mukhamedshin R A; Leading Institution: Russian Academy of Sciences / Institute of Nuclear Research (Moscow); Supporting Institutions: NIKIMT (Institute of Assembly Technology) (Moscow), Scientific Research Institute of Molecular Electronics and Plant "Micron" (Zelenograd, Moscow); Collaborators: CEA / DAM / Centre d'Etude de Bordeaux-Gradignan (Gradignan, France), Durham University / Department of Physics (Durham, UK), Institute for Advanced Studies (Tokyo, Japan), Istituto Nazionale di Fisica Nucleare - sez. di Trieste / Dipartimento di Fisica (Trieste, Italy), Istituto Nazionale di Fisica Nucleare (INFN) - sez. Perugia (Perugia, Italy), Kinki University / School of Science and Engineering (Osaka, Japan), Louisiana State University / Department of Physics and Astronomy (Baton Rouge, LA, USA); Duration: 24 months; Funding parties: JP

3097 Development of Methods to Research Atmosphere Contaminations, Conditions of Formation and Composition of Airplanes' Condensation Trails

Project Manager: Dedesh V T; Leading Institution: Gromov Flight Research Institute (Zhukovsky, Moscow reg.); Collaborators: Deutsches Zentrum fur Luft- und Raumfahrt e.V. / Corporate Development and External Relations (Brussels, Belgium), Deutsches Zentrum fur Luft- und Raumfahrt e.V. / Institut fur Physik der Atmosphäre; Duration: 24 months; Funding parties: EU

3124 Development of Novel Approaches in X-Ray Optics and X-Ray Methods to Study Matter

Project Manager: Kozhevnikov I V; Leading Institution: Russian Academy of Sciences / Institute of Crystallography (Moscow); Supporting Institution: VNIITF (Snezhinsk, Chelyabinsk reg.); Collaborators: Consiglio Nazionale delle Ricerche / IFN-CNR (Rome, Italy), European Synchrotron Radiation Facility (Grenoble, France), Osmic Inc. (Troy, MI, USA); Duration: 36 months; Funding parties: EU

3130 Smart Biosensor Systems for Analysis of Blood Esterases, Assessment of Esterase Status of Organisms, and Biomonitoring

Project Manager: Makhaeva G F; Leading Institution: Institute of Physiologically Active Substances (Chernogolovka, Moscow reg.); Supporting Institution: Moscow State University / Department of Chemistry (Moscow); Collaborators: Institut de Pharmacologie et de Biologie Structurale/Centre National de la Recherche Scientifique (Toulouse, France), Medical Research Council / Applied Neuroscience Group (Nottingham, UK), Pacific Northwest National Laboratory (Richland, WA, USA), University of Leicester / MRC Toxicology Unit (Leicester, UK), University of Michigan / School of Public Health (Ann Arbor, MI, USA), University of Padua / Dipartimento di Medicina Ambientale e Sanita Pubblica (Padova, Italy), US Army's Edgewood Chemical Biological Center (Aberdeen Proving Ground, MD, USA), US Environmental Protection Agency / National Health and Environmental Effects Research Laboratory (Research Triangle Park, NC, USA); Duration: 36 months; Funding parties: EU

3175 Novel Self-Organized Macromolecular Systems for Delivery of Drugs and Genetic Material into Living Cells

Project Manager: Shtilman M I; Leading Institution: Mendeleev Chemical Technological University (Moscow); Supporting Institution: Moscow State University / Department of Chemistry (Moscow); Collaborators: Johannes Kepler Universitat Linz (Linz, Austria), Lund University, Center for Chemistry and Chemical Engineering (Lund, Sweden), University of Crete (Heraklione, Greece); Duration: 24 months; Funding parties: EU

3186 Theoretical Investigation and Experimental Development of Methods of Building up Non-Toxic Combustion Chamber of Gas-Turbine Engine with Low Soot Formation in Combustion Liner

Project Manager: Rutovsky V B; Leading Institution: MAI (Moscow Aircraft Institute) (Moscow); Collaborators: AIRBUS SAS (Blagnac, France), JAXA / Aeronautical Environment Technology Center (Tokyo, Japan), NIKA GmbH (Frankfurt am Main, Germany), Snecma Moteurs, France (Moissy Cramayel, France); Duration: 36 months; Funding parties: JP

3221 Development of New Technology and Equipment for Production of BIODIESEL (Vegetable Oil Esters)

Project Manager: Toroubarov A I; Leading Institution: State Research Institute of Organic Chemistry and Technology (Moscow); Collaborator: University of Texas at Austin / Center for Energy and Environmental Resources (Austin, TX, USA); Duration: 24 months; Funding parties: CA

3253 Study of Mechanisms of Active Medium Formation by Electric Discharge in Pulse-Periodic Oxygen-Iodine Laser

Project Manager: Nikolaev V D; Leading Institution: VNIIEF (Sarov, N. Novgorod reg.); Supporting Institutions: FIAN Lebedev (Moscow), TRINITI (Troitsk, Moscow reg.); Collaborators: Air Force Research Laboratory (Albuquerque, NM, USA), Deutsches Zentrum fur Luft- und Raumfahrt e.V. / Institut fur Technische Physik (Stuttgart, Germany), Deutsches Zentrum fur Luft- und Raumfahrt e.V. (Koln, Germany), Kawasaki Heavy Industries, Ltd. (Tokyo, Japan), Schafer Corporation (Albuquerque, NM, USA); Duration: 30 months; Funding parties: CA

3261 Study of Curium Thermodynamics in Molten Chlorides

Project Manager: Bychkov A V; Leading Institution: NIIAR (Atomic Reactors) (Dimitrovgrad, Ulianovsk reg.); Collaborator: European Commission / Joint Research Center / Institute for Transuranium Elements (Karlsruhe, Germany); Duration: 24 months; Funding parties: EU

3266 Experimental and Theoretical Study of the Residual Nuclide Production in 40-2600 MeV Proton-Irradiated Thin Targets of ADS Structure Materials

Project Manager: Titarenko Yu E; Leading Institution: ITEF (ITEP) (Moscow); Collaborators: CEA / DSM / DAPNIA/CEN Saclay / Service de Physique Nucleaire (Gif-sur-Yvette Cedex, France), Forschungszentrum Karlsruhe Technik und Umwelt / Institut fuer Reaktorsicherheit (Karlsruhe, Germany), Georgia Institute of Technology / The Nuclear & Radiological Engineering & Health Physics Program of the George W. Woodruff School of Mechanical Engineering (Atlanta, GA, USA), JAERI / Nuclear Data Center (Tokyo, Japan), Los Alamos National Laboratory / Nuclear Physics Group (T-16) (Los-Alamos, NM, USA), Los Alamos National Laboratory (Los-Alamos, NM, USA), Oak Ridge National Laboratory (Oak Ridge, TN, USA), Royal Institute of Technology (Stockholm, Sweden), SCK-CEN (Brussels, Belgium), Universitat Hannover / Zentrum fur Strahlenschutz und Radioekologie (ZSR) (Hannover, Germany); Duration: 30 months; Funding parties: EU

3275 Variety of Culturable Microorganisms in Atmospheric Aerosol of Southwestern Siberia

Project Manager: Safatov A S; Leading Institution: State Research Center of Virology and Biotechnology VECTOR (Koltsovo, Novosibirsk reg.); Collaborator: Universitat Mainz / Institut fur Physik der Atmosphere (Mainz, Germany); Duration: 24 months; Funding parties: EU

3288 Investigations of Gas and Aerosol Exchange Between the Atmosphere and Underlying Surface Using New Instruments with Fast time response

Project Manager: Obvintseva L A; Leading Institution: Karpov Institute of Physical Chemistry (Moscow); Supporting Institutions: Institute of Atmospheric Physics (Moscow), Institute of General Physics named after A.M. Prokhorov RAS (Moscow); Collaborators: TNO (Apeldoorn, Netherlands), UFZ-Umweltforschungszentrum Leipzig-Halle GmbH (Leipzig, Germany), University of Graz / Institute for Geophysics, Astrophysics and Meteorology (Graz, Austria); Duration: 36 months; Funding parties: EU CA

3293 Technology Development for Growth of Large Volume CaMoO₄ Scintillation Crystal for Double Beta-Decay Experiment in Yang-Yang Korean National Laboratory

Project Manager: Kornoukhov V N; Leading Institution: ITEF (ITEP) (Moscow); Supporting Institutions: MISIS (Steel and Alloys) (Moscow), Institute for Nuclear Problems (Minsk, Belarus); Collaborator: Seoul National University / Basic Science Research Institute (Seoul, Korea); Duration: 15 months; Funding parties: RK

3294 Production of ZnO-Based Film Structures Emitting in Blue and Near-UV Spectra

Project Manager: Novodvorsky O A; Leading Institution: Institute of the Problems of Laser and Information Technologies (Shatura, Moscow reg.); Supporting Institutions: Russian Academy of Sciences / Institute of Radioengineering and Electronics (Moscow), MISIS (Steel and Alloys) (Moscow), FIAN Lebedev (Moscow); Collaborators: National Institute for Materials Science (Tsukuba, Japan), Technische Universitat Dresden / Institut fur Halbleiter- und Mikrosystemtechnik (Dresden, Germany); Duration: 36 months; Funding parties: EU

3308 Terahertz Josephson Spectroscopy

Project Manager: Gubankov V N; Leading Institution: Russian Academy of Sciences / Institute of Radioengineering and Electronics (Moscow); Collaborators: Forschungszentrum Julich / Institut fur Festkorperforschung (Julich, Germany), Institute of Electrical Engineering (Bratislava, Slovakia), Technical University of Denmark (Lyngby, Denmark), University of Rochester / Department of Electrical and Computer Engineering (Rochester, NY, USA); Duration: 36 months; Funding parties: EU

3310 Theoretical Research of Mechanisms of Negative Differential Resistance Appearance in Molecular "Wires"

Project Manager: Pavlovskii V A; Leading Institution: VNIIEF (Sarov, N. Novgorod reg.); Collaborators: Arizona State University / Department of Physics and Astronomy (Tempe, AZ, USA), University of Texas at Austin / Department of Physics (Austin, TX, USA); Duration: 24 months; Funding parties: US

3319 Stress determination on a base of advanced interferometric measurements of deformation response induced by local mechanical influence

Project Manager: Pisarev V S; Leading Institution: Central Aerodynamic Institute (Zhukovsky, Moscow reg.); Collaborators: Deutsches Zentrum fur Luft- und Raumfahrt e.V. / Institute of Materials Research (Koln, Germany), Universitat Stuttgart / Institut fuer Technische Optik (Stuttgart, Germany); Duration: 24 months; Funding parties: EU

3320 Development of Analytical Methodology for Quantitative Determination of Organophosphorus Chemical Agents in Air

Project Manager: Pildus I E; Leading Institution: Scientific Research Institute of Hygiene, Toxicology and Occupational Pathology (Volgograd, Volgograd reg.); Collaborator: Department of the Army / U.S.Army Soldier and Biological Chemical Command / Edgewood Chemical Biological Center (Aberdeen Proving Ground, MD, USA); Duration: 36 months; Funding parties: US

3330 Nitrogen Doped Carbon Nanotube Cathodes for Flat Panel Displays and Flat Lamps

Project Manager: Okotrub A; Leading Institution: Institute of Inorganic Chemistry (Akademgorodok, Novosibirsk reg.); Collaborator: Korea Advanced Institute of Science and Technology (Taejon, Korea); Duration: 24 months; Funding parties: RK

3342 Development of Technology for Production and Application of Radionuclide Sorbents Basing on Man-Caused Wastes after Dressing Apatite-Nepheline Ores

Project Manager: Shcherbakov V M; Leading Institution: VNIIEF (Sarov, N. Novgorod reg.); Supporting Institution: Russian Academy of Sciences / Kola Science Centre / Tananaev Institute of Chemistry and Technology of Rare Elements and Mineral Raw Materials (Apatity, Murmansk reg.); Collaborator: Sandia National Laboratories (Albuquerque, NM, USA); Duration: 24 months; Funding parties: US

3345 Source Term Assessment at Ex-vessel Stage of Severe Accident

Project Manager: Bezlepkin V; Leading Institution: FSUE "Saint Peterburg Research and Design Institute ATOMENERGOPROEKT" (St Petersburg); Supporting Institutions: Institute of Safe Atomic Power Engineering Development (Moscow), Research Institute of Technology (Sosnovy Bor, Leningrad reg.), Joint Stock Company «I.I.Polzunov Scientific and Design Association on Research and Design of Power Equipment» (St Petersburg), All-Russian Research and Designing Institute of Complex Energetic Technology (St Petersburg); Collaborators: Atomic Energy Canada Limited (Chalk River, ON, Canada), CEA / DEN (Gif-sur-Yvette Cedex, France), European Commission / Joint Research Center / Institute for

Transuranium Elements (Karlsruhe, Germany), Gesellschaft für Anlagen und Reaktorsicherheit mbH (Köln, Germany), VTT Processes (Espoo, Finland); Duration: 36 months; Funding parties: EU

A-1247 Synthesis and Screening of Non-Protein Amino Acids and Peptides as Potential Constituents of Radiomodifying and Pharmacological Agents

Project Manager: Geolchanyan A V; Leading Institution: Institute of Biotechnology (Yerevan, Armenia); Supporting Institution: Center of Traumatology, Orthopedics, Burns and Radiology (Yerevan, Armenia); Collaborators: Nagasaki University / Graduate school of Biomedical Sciences (Nagasaki, Japan), Ohio State University / Health Sciences Center (Columbus, OH, USA), Research Institute of Innovative Technologies for the Earth (Kyoto, Japan), Université de Paris-Sud / Institut de Chimie Moléculaire et des Matériaux D'Orsay (Orsay, France), University of Toronto / Faculty of Pharmacy (Toronto, ON, Canada); Duration: 36 months; Funding parties: EU

A-1306 Development of High Spatial Resolution Detectors For X-Ray Imaging Based on YAG:Ce and YAP:Ce Scintillation Crystals

Project Manager: Mkrtchyan M A; Leading Institution: Yerevan Physics Institute (Yerevan, Armenia); Supporting Institution: Institute for Physical Research (Ashtarak-2, Armenia); Collaborators: CERN (Geneva, Switzerland), European Synchrotron Radiation Facility (Grenoble, France); Duration: 36 months; Funding parties: US

A-1321 Radioprotective and Radiorecovery Cu and Mn Nicotinyl-L-Amino Acid Schiff Base Chelates

Project Manager: Malakyan M H; Leading Institution: Center of Traumatology, Orthopedics, Burns and Radiology (Yerevan, Armenia); Collaborators: McMaster University (Hamilton, ON, Canada), University of Arkansas for Medical Sciences (Little Rock, AR, USA); Duration: 36 months; Funding parties: CA

B-1252 Development and Demonstration of Ultrasonic Mid-Infrared-Laser-Based Photoacoustic Technique of Trace-Gas Detection for Applications in Technology and Life Sciences

Project Manager: Starovoitov V S; Leading Institution: B.I. Stepanov Institute of Physics (Minsk, Belarus); Collaborators: Heinrich Heine Universität Düsseldorf / Institut für Lasermedizin (Düsseldorf, Germany), Laser Zentrum Hannover e.v. (Hannover, Germany), University of Nijmegen (Nijmegen, Netherlands); Duration: 36 months; Funding parties: EU

B-1319 Development of Global Coupled-Channels Optical Potential Based on Realistic Wave Functions Obtained by the Soft-Rotator Model for Accurate Calculations of Nucleon-induced Nuclear Reactions

Project Manager: Soukhovitski E S; Leading Institution: Joint Institute of Energy and Nuclear Research - Sosny (Minsk, Sosny, Belarus); Collaborators: International Atomic Energy Agency (Vienna, Austria), JAERI / Tokai Research Establishment (Tokai Mura, Japan), Kyushu University/Department of Advanced Energy Engineering Science (Fukuoka, Japan), University of Sevilla (Sevilla, Spain); Duration: 36 months; Funding parties: EU JP

G-1294 Investigation of Pollution by Radionuclides, Toxic Elements and Creation of the Radiation and Hydrochemical Monitoring System of the R. Kura Basin in Georgia

Project Manager: Chkhartishvili A G; Leading Institution: Scientific-Research Center for Radiobiology and Radiation Ecology (Tbilisi, Georgia); Collaborators: Forschungszentrum Jülich / Department of Safety and Radiation Protection (Jülich, Germany), Sandia National Laboratories / Geosciences and Environment Center (Albuquerque, NM, USA), Università degli Studi di Milano / Dipartimento di Fisica (Milan, Italy); Duration: 36 months; Funding parties: EU

G-1318 Influence of Orexinergic System on Epileptic Activity of the Brain

Project Manager: Doreulee N; Leading Institution: Tbilisi State University (Tbilisi, Georgia); Collaborators: Hamamatsu University School of Medicine / Department of Physiology (Hamamatsu, Shizuoka reg., Japan), Harvard Medical School / Vamc Brockton (Brockton, MA, USA), Heinrich Heine Universität Düsseldorf / Institut für Neurophysiologie (Düsseldorf, Germany), Leibniz Institute for Neurobiology / Center for Learning and Memory Research / Department of Neurochemistry and Molecular Biology (Magdeburg, Germany), University Hospital Hamburg-Eppendorf, University of Hamburg (Hamburg, Germany); Duration: 36 months; Funding parties: EU

G-1335 Comprehensive analysis of the spin transport in discrete alloys „semiconductor – ferromagnet“ with controlled disorder

Project Manager: Kervalishvili P J; Leading Institution: Georgian Technical University (Tbilisi, Georgia); Supporting Institutions: Kurchatov Research Center (Moscow), State University of Nizhny Novgorod / Research Physical and Technical Institute (N. Novgorod, N. Novgorod reg.); Collaborators: Laboratoire National des Champs Magnetiques Pulses (Toulouse, France), Silicon Storage Technology, Inc. (Sunnyvale, CA, USA); Duration: 36 months; Funding parties: US

K-1296 Creation of the Working Model of Water Balance and Water Quality in Basin of the Syrdarya River at the Territory Kazakhstan

Project Manager: Solodukhin V P; Leading Institution: National Nuclear Center of the Republic of Kazakhstan / Institute of Nuclear Physics (Almaty, Kazakhstan); Collaborator: Sandia National Laboratories (Albuquerque, NM, USA); Duration: 36 months; Funding parties: US

K-1328 Semipalatinsk Test Site Environment Assessment Using Bioindication Methods

Project Manager: Mukusheva M K; Leading Institution: National Nuclear Center of the Republic of Kazakhstan (Kurchatov, Kazakhstan); Collaborators: Environment Agency (Bristol, UK), University of Liverpool / School of Biological Sciences (Liverpool, UK); Duration: 36 months; Funding parties: CA

K-788.2 Atlas of Bacterial and Virus Zoonotic Infections Distribution in Kazakhstan

Project Manager: Aubakirov S A; Leading Institution: Kazakh Scientific Center for Quarantine and Zoonotic Diseases (Almaty, Kazakhstan); Supporting Institution: National Biotechnology Center of Kazakhstan / Scientific Research Agricultural Institute (Gvardeiski, Kazakhstan); Collaborators: Johns Hopkins University / Center for International Emergency, Disaster and Refugee Studies (Baltimore, MD, USA), The University of Kansas (Lawrence, KS, USA); Duration: 36 months; Funding parties: CA

KR-1122.2 Biotechnological Approaches to the Creation of New Botanical Pesticides and Molecular-Biological Aspects of Their Influence on Harmful Organisms

Project Manager: Chakaeva A S; Leading Institution: Kyrgyz Research Institute of Livestock, Veterinary and Pastures (Bishkek, Kyrgyzstan); Collaborators: Institute of Organic Chemistry and Biochemistry (Prague, Czechia), University of British Columbia (Vancouver, BC, Canada), University of California (Riverside, CA, USA); Duration: 36 months; Funding parties: CA

KR-1325 Enhancement of the Foot and Mouth Disease Control Program in Kyrgyz Republic: Advancement in Diagnostic Assays and Control Measures

Project Manager: Kasenov M T; Leading Institution: Kyrgyz Research Institute of Livestock, Veterinary and Pastures (Bishkek, Kyrgyzstan); Supporting Institution: Open Joint Stock Company Altyn-Tamyr (Bishkek, Kyrgyzstan); Collaborators: Colorado State University / College of Veterinary Medicine and Biomedical Sciences (Fort Collins, CO, USA), Iowa State University / Institute for International Cooperation in Animal Biologics (Ames, IA, USA), The University of Georgia / College of Veterinary Medicine (Athens, GA, USA), United States Department of Agriculture / Plum Island Animal Disease Center (Greenport, NY, USA); Duration: 36 months; Funding parties: US CA

KR-1327 The estimation of Potential Biological Danger from Natural Arbovirus Foci in Kyrgyz Republic with a Help of Modern Molecular-Genetic Methods, Studying of Isolated Viruses and Development of Diagnostic Preparations

Project Manager: Breininger I G; Leading Institution: Republican Center of Quarantine and Especially Dangerous Infections (Bishkek, Kyrgyzstan); Supporting Institutions: State Sanitary Epidemiological Supervision Department (Bishkek, Kyrgyzstan), National Academy of Sciences of Kyrgyzstan / Biotechnology Institution (Bishkek, Kyrgyzstan); Collaborator: Florida Gulf Coast University (South Fort Myers, FL, USA); Duration: 36 months; Funding parties: US CA

2. Project Development Grants

3081 Development of New Methods of Manufacturing Unique Mono-Block Large-Sized Plates

Project Manager: Tishchenko M F; Leading Institution: NPO Lutch (Podolsk, Moscow reg.); Supporting Institutions: NIKIMT (Institute of Assembly Technology) (Moscow), MISIS (Steel and Alloys) (Moscow); Collaborators: Ilsenburger Grobblech (Ilsenburg, Germany), Midland Resources Holding Ltd. / Moscow Representative Office (Moscow), TU Bergakademie Freiberg / Institut für Metallformung (Freiburg, Germany); Duration: 36 months; Funding parties: CA

K-1279 Development of Technology for Obtaining Artificial Seeds of Plants Heavy Metal-Hyperaccumulators for Phytoremediation of Polluted Soils

Project Manager: Uteulin K R; Leading Institution: Institute of Plant Physiology, Genetics and Bioengineering (Almaty, Kazakstan); Supporting Institution: Kazakh Scientific Center for Quarantine and Zoonotic Diseases (Almaty, Kazakstan); Collaborators: Alberta Agriculture, Food and Rural Development / Crop Diversification Centre South (Alberta, Canada), University of California / College of Agricultural and Environmental Sciences (Davis, CA, USA); Duration: 36 months; Funding parties: CA

K-1284 Catalytic Synthesis of Phosphoric Ethers from Low-Valence Phosphorus Derivatives

Project Manager: Polimbetova G S; Leading Institution: Institute of Organic Catalysis and Electrochemistry (Almaty, Kazakstan); Supporting Institutions: Pavlodar Chemical Plant (Pavlodar, Pavlodar reg., Kazakstan), Pavlodar subsidiary of "Reagent-Vostok" Ltd. (Pavlodar, Pavlodar reg., Kazakstan); Collaborator: Universitat Kaiserslautern (Kaiserslautern, Germany); Duration: 36 months; Funding parties: US

3. Reallocation of Funds for Earlier Approved Projects

A-1232 Synthesis and Investigations of Binary and Multicomponent Metal-Oxide Semiconductors for Manufacture of Chemical Nanosensors and Electronic Nose Arrays for Monitoring of Different Toxic Gases in Environment and Civilian Defense

Project Manager: Aroutionian V M; Leading Institution: Yerevan State University (Yerevan, Armenia); Collaborators: Aligent Technologies, Inc. (Fort Collins, CO, USA), Auburn University / Materials Research and Education Center (Auburn, AL, USA), CEA / DSM / DRECAM/CEN Saclay (Saclay, France), Heinrich Heine Universitat Dusseldorf / Institut fur Physik der Kondensierten Materie (Dusseldorf, Germany), Institute of Chemical Technology (Prague, Czechia), Korea Institute of Energy Research (Yusong-gu, Korea), Kyushu University (Fukuoka, Japan), Nagasaki University (Nagasaki, Japan), National Renewable Energy Laboratory (Golden, CO, USA), Synopsys, Inc. (Mountain View, CA, USA), The Inje University (Gimhae, Korea), Universita Degli Studi di Roma "Tor Vergata" (Rome, Italy), University of Uppsala / Department of Engineering Sciences, Solid State Physics (Uppsala, Sweden); Duration: 36 months; Funding parties: EU RK

KR-964 Development of De-toxicants of Combined Action on the Basis of Humic Substances and their Derivatives

Project Manager: Kydraliev K A; Leading Institution: National Academy of Sciences of Kyrgyzstan / Institute of Chemistry and Chemical Technology (Bishkek, Kyrgyzstan); Supporting Institutions: JSC Biochimash (Moscow), Moscow State University / Department of Chemistry (Moscow); Collaborators: CEA / DEN / DDIN (Gif-sur-Yvette Cedex, France), Forschungszentrum fur Umwelt und Gesundheit GmbH (GSF) / Institut fur Okologische Chemie (Neuherberg, Germany); Duration: 36 months; Funding parties: EU