European Research
and International Cooperation Office

CNRS IN RUSSIA

80 years of building new worlds
through knowledge

Hugues PLISSON/CNRS Photothèque, The Pechora River, looking south-east towards the Ural, from the Mousterian site of Byzovaya, in northern Russia, near the Arctic Circle

WHAT IS THE CNRS ?

The Centre National de la Recherche Scientifique (National Centre for Scientific Research) is a public body under the authority of the French Minsitry of Education, Research and Innovation.

Founded in 1939, the CNRS is the largest fundamental research organisation in France and among the top 5 of research institutions in Europe. It carries out scientific activities in all fields of knowledge through ten specialised Institutes.

CNRS INTERNATIONAL RESEARCH COOPERATION TOOLS

IRL

International Research Laboratories are international and sustainable research structures based on strongly localized scientific collaboration. They involve scientists from a small number of French and foreign institutions to carry out research activities around shared scientific axes.

IRP

International Research Projects are collaborative research projects established between one or more CNRS laboratories and laboratories abroad in order to consolidate a scientific partneship.

IRN

International Research Networks aim at structuring an international scientific community around a shared research topic through the organisation of workshops, seminars, and thematic schools.

IEA

International Emerging Actions are PI-to-PI projects, the purpose of which is the exploration of new fields of research and new international partnerships. They involve mobility of scientists.

CNRS COOPERATION WITH RUSSIA

KEY FIGURES

3000

Publications with Russia (2016-2017) 58% of Russia's co-publications with France (InCites Data)

almost 1000

Visits of CNRS reserchers in Russia

in 2017

almost 250

Russian PhD students in CNRS labs

in 2018

50

Russian postdoctoral fellows in CNRS labs

in 2018

INSTITUTIONAL PARTNERSHIPS

RUSSIAN FOUNDATION FOR BASIC RESEARCH

RFBR

The cooperation between the CNRS and Russia is based on a strong partnership with the Russian Foundation for Basic Research (RFBR). The CNRS and the RFBR jointly support IRLs, IRPs and IRNs as well as IEAs.

The CNRS collaborates with the Institutes of the Russian Academy of Sciences (RAS), the Joint Institute for Nuclear Research (JINR), the Kurchatov Institute and the Ioffe Institute, as well as with the Moscow State University, the National Research University Higher School of Economics (HSE), Skolkovo Institute of Science and Technology (Skoltech), the Novosibirsk State University, the Tomsk State University, the ITMO University - St Petersburg. It also has links with many other Russian universities.

4 INTERNATIONAL RESEARCH LABORATORIES (IRL)

Interdisciplinary Scientific Center Poncelet - ISCP

The ISCP conducts and coordinates French-Russian scientific investigations in the areas of theoretical and mathematical physics, mathematics and informatics. This laboratory associates the CNRS and five Russian partners institutions: the Independant University of Moscow, the Higher School of Economics, the Skolkovo Institute of Science and Technology, the Steklov Institute of Mathematics, and the AA Kharkevich Institute for Problems of Transmission of Information from the Russian Academy of Sciences.

French-Russian Studies Centre in Moscow - CEFR

The overall objective of the CEFR is to foster scientific exchanges between France and Russia in all the disciplines of humanities and social sciences. The CEFR is under the double authority of the French Ministry for Europe and Foreign Affairs and the CNRS.

Multidisciplinary Research on Prehistoric Art in Eurasia - ARTEMIR

This international research project consists of studying the archeology and art history through the combination of new technical and artistic approaches. This collaboration is supported by the Institute of Archaeology and Ethnography in Novosibirsk (Siberian Branch of RAS) and the Russian Foundation for Basic Research (RFBR).

Co-evolution of Man and Environment in Eastern Siberia - COSIE

This international research project focuses on the understanding of human-environment co-evolution through historical, archaeological, epidemiological and paleogenomic research. This cooperation is co-funded by the North-Eastern Federal University in Iakoutsk and the Russian Foundation for Basic Research (RFBR).

10 INTERNATIONAL RESEARCH PROJECTS

ABSORPTION SPECTROSCOPY OF MOLECULES OF INTEREST IN ATMOSPHERIC SCIENCES AND PLANETOLOGY - SAMIA

Zuev Institute of Atmospheric Optics (SB RAS), RFBR

CNRS, université Grenoble-Alpes, université de Reims Champagne- Ardennes, université de Franche-Comté, université Sorbonne université

TERAHERTZ AND MID-INFRARED COLLECTIVE PHENOMENA IN SEMICONDUCTOR NANOSTRUCTURES - TERAMIR

Institute for Physics of Microstructures (RAS), Razhanov Institute of Semi-conductor Physics (SB RAS), Moscow State University of Education, Ioffe Physico-Technical Institute (RAS), Lomonosov Moscow State University, RFBR

CNRS, université Sorbonne Paris-Cité, université de Montpellier

Institute of High Pressure Physics (PAN), Institute of Physics (PAN) (Poland)

INNOVATIVE MATERIALS AND NANOMATERIALS BASED ON TAILOR-MADE FUNCTIONAL BUILDING BLOCKS - CLUSPOM

Nikolaev Institute of Inorganic Chemistry (SB RAS), RFBR

CNRS, université Bretagne-Loire, université Saint-Quentin-en-Yvelines

KINETICS & PHYSICS OF NON-EQUILIBRIUM PLASMAS IN DISCHARGES AND THEIR AFTERGLOW - KAPPA

Lomonosov Moscow State University, Joint Institute for High Temperatures (RAS), RFBR

CNRS, université Paris-Saclay, université Sorbonne-Université, université fédérale de Toulouse

NOVEL MACHINERIES CONTROLLING CELL MIGRATION AND THEIR ROLE IN CANCER PROGRESSION - MIG MAC

N. N. Blokhin Cancer Research Center of Ministry of Health of the Russian Federation, Tomsk National Research Medical Centre of the Russian Academy of Sciences (RAS), RFBR

CNRS, université Paris-Saclay, CEA

INTERNATIONAL RESEARCH PROJECTS

JOINT UNDERGROUND LABORATORY IN EUROPE - JOULE

JINR, RFBR

CNRS, université Grenoble-Alpes

Czech Technical University in Prague (Czech Republic)

Comenius University (Slovakia)

LABORATORY OF CRITICAL PHENOMENA IN FUNCTIONAL ELECTRONICS, ACOUSTICS AND FLUIDICS - LICS

Wave Research Center of A.M Prokhorov General Physics Institute, Institute of Radio Engineering and Electronics (RAS), Moscow Technological University, Ogarev Mordovia State University, RFBR

CNRS, université Lille Nord de France

NEOLITHISATION OF COMMUNITIES ON THE RUSSIAN PLAIN (7TH- 3RD MILL. BC) - NORTH

Museum of Ermitage, Institute of Zoology (RAN), Institute of History of the Material Culture (RAS), RFBR

CNRS, Paris-I-Panthéon-Sorbonne, université Côte-d'Azur, Muséum National d'Histoire Naturelle, université Bretagne-Loire, Ministère de la Culture, université Franche-Comté

CLIMATES AND ENVIRONMENTS FROM ICE ARCHIVES - VOSTOK

Konstantinov Nuclear Physics Institute of the National Research Center Kurchatov Institute, Arctic & Antarctic Research Institute, National Mineral Research University, Institute of Geography (RAS), Limnological Institute (SB RAS), RFBR

CNRS, CEA, IRD, université Grenoble-Alpes, université Paris-Saclay, université de Lyon

PHYSICS OF NANOSTRUCTURES AND INNOVATIVE DEVICES BASED ON COMPOUND SEMICONDUCTORS - PHYNICS

Ioffe Physico-Technical Institute (RAS), V.A.Kotel'nikov Institute of Radio Engineering and Electronics (RAS), ITMO, RFBR

CNRS, université Paris-Saclay, université de Montpellier, université fédérale Toulouse Midi-Pyrénées, université Côte-d'Azur

8 INTERNATIONAL RESEARCH NETWORKS (IRN)

FUNDAMENTAL RESEARCH IN CHEMISTRY FOR SEPARATION AND DURABILITY TARGETING A SUSTAINABLE NUCLEAR ENERGY PRODUCTION - SENA

Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Lomonosov Moscow State University, Mendeleyev University of Chemical Technology, RFBR

CNRS, CEA, Languedoc-Roussillon Universités

HELIO-PLASMAS - H-P

Space Research Institute (RAS), RFBR

CNRS, CNES, université Fédérale de Toulouse

ANALYSIS AND MODELING OF NORTHERN HEMISPHERE COLD CLIMATE FORESTS - CCF

Karelian Research Center (RAS)

CNRS, IRD, Languedoc-Roussillon universités, université Paris-Sciences et lettres

EUROPEAN ULTRA RELATISTIC ENERGIES AGREEMENT - EUREA

JINR, the Kurchatov Institute, RFBR

CNRS, université Bretagne Loire, université de Lyon, université Grenoble-Alpes, université Paris-Saclay, université Clermont-Auvergne

CATALYTIC RECOVERY OF THE BIOMASS - BIOMASS

Boreskov Institute of Catalysis (SB RAS), Institute of Chemistry and Chemical Technologies (SB RAS) Siberian Federal University, RFBR

CNRS, université de Strasbourg, université de Lyon

TRANSPORT, LOCALIZATION AND COMPLEXATION OF METALS IN HYPERACCUMULATING PLANTS - LOCOMET

Timiryazev Institute of Plant Physiology (RAS)

CNRS, universités Lille Nord de France, université de Lorraine, INRA

BRIGHT FAR-INFRARED OPTOELECTRONIC SOURCES APPLIED TO FIELD-MATTER INTERACTION STUDIES, LIFE SCIENCES AND ENVIRONMENTAL MONITORING - FIR LAB

Lomonosov Moscow State University, RFBR

CNRS, ENS de Paris, Sorbonne-Université, université Paris-Diderot

FROM TUNDRA TO STEPPE: FLUXES OF CARBON, WATER AND METALS IN SIBERIA - TTS

University of Tomsk, Institute of General and Experimental Biology (RAS), Institute of Soil Sciences and Agrochemistry (RAS), Institute of Water and Ecological Problems (RAS), Melnikov Permafrost Institute (RAS), Sukachev Institute of Forest (RAS), Yugra State University, RFBR

CNRS, IRD, université fédérale Toulouse Midi-Pyrénées, Météo France, CNES, BRGM, Centre Val-de-Loire universités

CNRS cooperates with Russian institutions from more than 15 cities

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