WP10 LTS – Joint long-term sustainability of RIs

CREMLINplus kick-off meeting, DESY, Hamburg
19-20 February 2020

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Partners: DESY

Among the main objectives:

- to promote synergies between the Russian and European RIs;
- to promote sustainable networking across European and Russian scientific communities;
- to stimulate dialogue between scientists and policymakers as a means of support for science diplomacy;
- to raise awareness of the innovation potential of the RIs as key drivers for the development of a competitive knowledge-based economy;
- to contribute to the European-Russian cooperation on RIs with European strategic initiatives;
- to raise awareness and knowledge on socio-economic impact of existing and future RIs.

The Work Package 10 includes the following tasks:

Task 10.1: Promote synergy

The very first task is aimed at the promotion and exploitation of synergy potential across the CREMLINplus activities.

Synergies across the RI communities from different scientific domains involved in the project can be found for instance in: management and governance issues, complementarity of instrumentations, legal issues of the operation of the megascience projects as well as intercultural communication challenges.

This will be realized by setting up side events to the annual project meetings.

Task 10.2: Link Russian megascience projects to EU strategic initiatives

CREMLINplus will support and initiate actions to establish and strengthen long-term collaborations between the European strategic initiatives such as LEAPS, LENS and Russian megascience projects and LIST-11 RIs. Many partners of CREMLINplus project are key partners in EU strategic initiatives such as LEAPS and LENS.

Within this task DESY and NRC KI will also initiate the exchange with ESFRI and the respective ESFRI Strategy Working Groups. This aims at providing updated information on the status of implementation of the Russian megascience projects, and at addressing the perspective of establishing closer ties between ESFRI and the ESFRI Landscape Analysis, and Russian megascience projects.

Regular policy briefs for the Joint Science and Technology Coordination Committee (JSTCC) will be prepared and provided.

LEAPS League of European Accelerator-based Photon Sources

LENS LEAGUE OF ADVANCED EUROPEAN NEUTRON SOURCES

ESFRI
European Strategy Forum on Research Infrastructures

Task 10.3: Workshop on innovation and technology transfer

A workshop will be organized for Russian RIs and megascience projects and LIST-11 to highlight the essential role of global research infrastructures in addressing grand challenges and as hubs for innovation and to present the innovation potential of the Russian megascience projects.

RIs are important innovation drivers for the development of a competitive technology-based economy and also test beds of innovative equipment and instrumentation.

The similar workshop was organized within the CREMLIN project in 2017 in DTU, Denmark. It was focused on the innovation potential and industry collaboration possibilities for the megascience projects, including industrial users, technology transfer, and links to the regional innovation system around the megascience facilities.

Task 10.4: RIs in science diplomacy

Under this task an international workshop on the role of RIs in science diplomacy will be organized on the territory of the Russian Federation. For this purpose, it is expected to use the expertise of leading Russian Universities, including Russian Primakov Institute of World Economy and International Relations (IMEMO).

CREMLINplus as both a political and research effort will provide a platform for dialogue between policymakers and scientists. Exchange will be established with the managers of the Horizon 2020 project Using Science for/in Diplomacy for Addressing Global Challenges (S4D4C).

Task 10.5: Workshop on socio-economic impact of RIs

There is increasing political and social pressure at all levels for RIs to demonstrate the positive contribution they make to society in general, including the impact on regional and national economies, and the benefits they offer to citizens through the science they deliver. The effect which the RIs have on society and scientific policy is named as “Socio-Economic Impact” and has an increasingly important factor in deciding whether to construct an RI, in setting the level of funding for operations, and in informing decisions about the lifetime and ultimately closure of an RI.

A workshop will be organized to transfer knowledge on this issue to Russian RI managers and policymakers. Recommendations will be worked out on how to raise awareness on the socio-economic impact of both megascience facilities and LIST-11 RIs, e.g. in nuclear medicine applications, industrial material science, space applications.

Thank you for your attention!