# Fact Sheet WP4, CREMLIN

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| **CREMLIN**<br>**Call: H2020 INFRASUPP-6 2014,(CSA)** | Connecting Russian and European Measures for Large-scale Research Infrastructures |
| **CREMLIN Grant:** | EUR 1,696,250.00 |
| **Duration:** | 36 months as of 01/09/2015 |
| **Work package 4:** | Science Cooperation with the PIK research reactor in the field of neutron sources |
| **Participants WP4:** | Juelich/Leader, PNPI/Co-Leader, HZG, TUM, ILL, ESS |

## Objectives

1. to identify the research interests and needs of EU and Russian partners in the PIK project
2. to develop guide lines for a general instrumentation concept for the PIK reactor in cooperation with international partners
3. to help in the development of a state-of-the-art supporting structures at the PIK reactor (sample environment and supporting laboratories, user access system, data management and storage, etc.)

### List of deliverables

| Deliverable Number [14] | Deliverable Title | Lead beneficiary | Type [15] | Dissemination level [16] | Due Date (in months) [17] |
|---|---|---|---|---|---|
| D4.1 | Development of the Education and Training Programme on Neutron Instrumentation | 3 - PNPI | Report | Public | 6 |
| D4.2 | Workshop on mapping user demands | 7 - HZG | Other | Public | 9 |
| D4.3 | Guidelines for the general PIK Instrumentation Concept | 2 - Juelich | Report | Public | 36 |
| D4.4 | Recommendations on Common Data Standard Policy | 9 - ILL | Report | Public | 36 |
| D4.5 | D4.5 Recommendations on the state-of-the-art user system for PIK (M36) | 8 - TUM | Report | Public | 36 |

| Description of deliverables |
|---|
| D4.1 Development of the Education and Training Programme on Neutron Instrumentation (M6) D4.2 Workshop on mapping the demand and needs of the Russian and European neutron communities /workshop report (M9) D4.3 Guidelines for the general instrumentation concept of the PIK reactor (M36) D4.4 Recommendations on Common Data Standard Policy (M36) D4.5 Recommendations on the state-of-the-art user system for PIK (M36) |
| D4.1 : Development of the Education and Training Programme on Neutron Instrumentation [6] |
| D4.1 Development of the Education and Training Programme on Neutron Instrumentation (M6) |
| D4.2 : Workshop on mapping user demands [9] |
| D4.2 Workshop on mapping the demand and needs of the Russian and European neutron communities /workshop report (M9) |
| D4.3 : Guidelines for the general PIK Instrumentation Concept [36] |
| D4.3 Guidelines for the general instrumentation concept of the PIK reactor (M36) |
| D4.4 : Recommendations on Common Data Standard Policy [36] |
| D4.4 Recommendations on Common Data Standard Policy (M36) |
| D4.5 : D4.5 Recommendations on the state-of-the-art user system for PIK (M36) [36] |
| D4.5 Recommendations on the state-of-the-art user system for PIK (M36) |

## Distribution of funding among the WP4 participants
## Total: EUR 200,000
- EC requested person-months (PM) – 0
- Travels/goods/services – EUR 200,000

| 2/Juelich | Cost (€) | Justification |
|---|---|---|
| Travel | 26,000 | Travels/invitations to workshops/meetings /events throughout WP4 |
| Equipment | | |
| Other goods and services | 8,000 | Organise School on Design Methods for Neutron Instrumentation |
| | 8,000 | Organise School on Modern Neutron Simulation Packages |
| | 8,000 | Organise Training Course on Simulation of Neutron Scattering Instruments |
| Total | 50,000 | |
| 3/PNPI | Cost (€) | Justification |
| Travel | 25,000 | Participation in the workshops, schools, etc. within the WP4 |
| Equipment | | |
| Other goods and services | 25,000 | Organization of the meetings of sub-committees on the PIK Instrumentation Concept |
| Total | 50,000 | |

| 7/HZG | Cost (€) | Justification |
|---|---|---|
| Travel | 17,000 | Travels/invitations to workshops/meetings /events WP4 |
| Equipment | | |
| Other goods and services | 8,000 | Organisation of a Workshop on Neutron Scattering Methods for Engineering Materials Science |
| Total | 25,000 | |
| 8/TUM | Cost (€) | Justification |
| Travel | 10,000 | Participation in the workshops, meetings, etc. within the WP4 |
| Equipment | | |
| Other goods and services | 7,000 | Organization of workshop: Engineering for neutron instrument construction |
| | 8,000 | Organization of workshop: Advanced sample environment for Neutron instrumentation |
| Total | 25,000 | |
| 9/ILL | Cost (€) | Justification |
| Travel | 24,000 | Travels in WP4 |
| 10/ESS | Cost (€) | Justification |
| Travel | 24,000 | Travel for participation in the meetings, etc. within the WP4. (12 meetings á 2.000€) |