

Aims and Objectives

The overall **aim** of the NANORUCER support activity is to pave the way for future cooperation between the EU and the Russian Federation in the field of nanotechnology and nanostructured materials (NN) as formulated in the description of the NMP work programme topic addressed.

The following three **objectives** will deliver this overall aim through corresponding work packages as described below:

Objective 1: Mapping of nanotechnology and nanostructured materials activities in Russia

In order to achieve this objective we have designed work packages 1, 2 and 3. WP 1 will develop the methodological and analytical framework for the mapping exercise. WP 2 will carry out an overview performance analysis of NN activities in Russia, and WP 3 will be concerned with the field work in Russia for fine mapping its NN activities.

Objective 2: Assessing the capacities of Russian NN R&D activities in order to identify strengths and weaknesses

WP 4 is concerned with the assessment of the Russian NN R&D capacities and will deliver to this objective.

Objective 3: Identifying opportunities for cooperation and developing recommendations and a specific action plan

For achieving this objective it is necessary to compare Russian NN activities with respective activities in European countries and use this comparison for identifying those opportunities for cooperation where both partner would benefit most. Accordingly WP 5 will summarise European NN activities based on already available information using the same analytical framework as in WP 4. Following WP 6 is concerned with the elaboration of opportunities and the development of recommendations and a concrete action plan.

Workplan

The work of the NANORUCER project is divided into eight discrete, but inter-connected work packages. Figure 1 provides a graphical representation of the work packages and their interrelationship. The outputs of each work package which form the inputs for connected work packages are indicated as shaded rhomboids.

Work package 1 will develop the analytical framework for the NANRUCER project. The results of this work package will be summarised in a methodological guidebook which will lay down the common framework for the project. In work package 2 we will carry out a performance analysis of the Russian nanotechnology innovation system in relation to Europe and important other countries such as the USA, Japan, and China. The analysis will be based on bibliometric indicators and patent statistics. Results will comprise objective information on scientific and technological output,

specialisation of countries in NN and overlap in R&D activities in particular between Russia and EU Member States, overall performance related to main competitors, key players, most important countries.

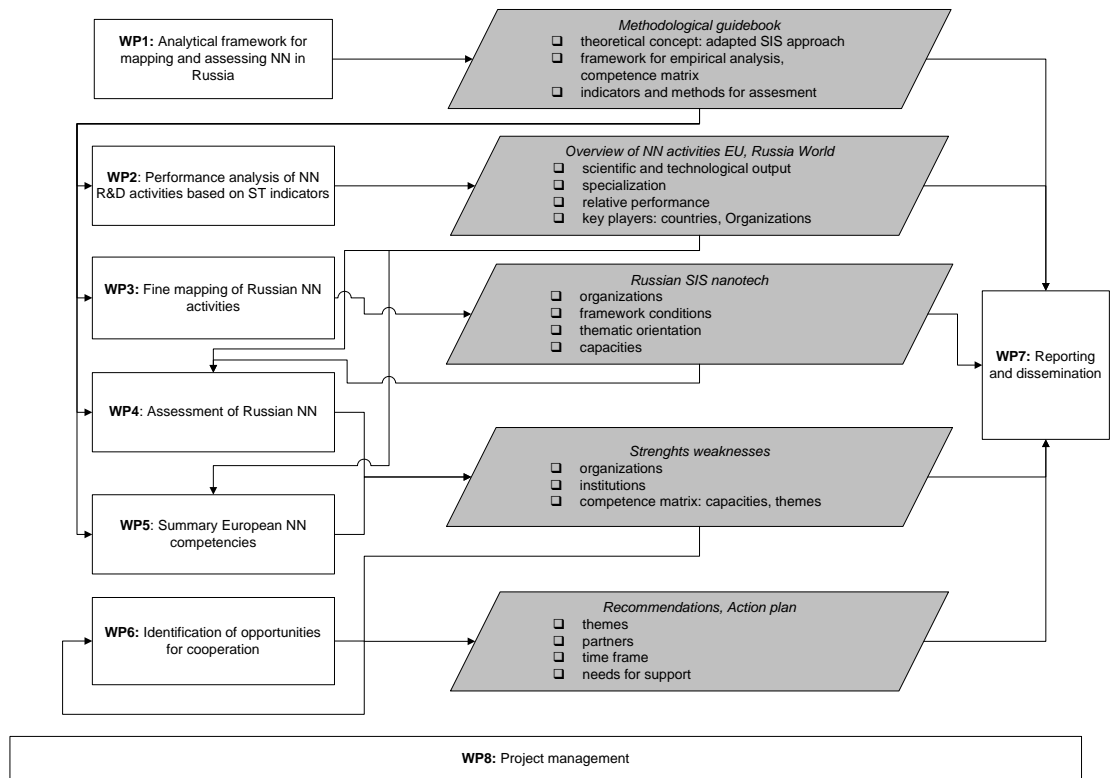
Work package 3 comprises a detailed fine mapping of nanotechnology and nanostructured materials (NN) research in Russia starting from the comprehensive information base collected by ISS RAS. As a result qualitative and quantitative information of the organisations, framework conditions, thematic orientation, and capacities of the Russian nanotechnology SIS will be available.

Work package 4 is concerned with the assessment of the capacities of the Russian nanotechnology SIS based on the empirical data gathered in the previous WPs. In parallel a summary of the European competencies in NN will be elaborated in work package 5. Both lines of information will be used to identify strengths and weaknesses of both systems. Based on this analysis opportunities for cooperation and joint activities can be identified in work package 6. These will be transferred into recommendations and a concrete action plan.

Finally results of the co-ordination action will be summarised in various reporting formats and disseminated broadly among the different stakeholder groups (work package 7).

For project management an own work package 8 has been defined. This will cover standard project management issues including contact with the European Commission.

Figure 1: Graphical presentation of the components of NANORUCER and their relationships



The NANORUCER action is designed for a period of 24 months. Timing of the different work packages is summarised in Figure 2 also indicating the different workshops and other meetings which are important elements of this support action.

Figure 2: Timing of different components of the action

