

# ACTIVITY 6. ASSESSMENT AND ESTIMATION OF RESOURCE POTENTIAL IN THE PILOT TERRITORIES

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## KOSTOMUKSHA CITY AND KALEVALA MUNICIPAL DISTRICT

Compiled by Karelian Research Center  
of the Russian Academy of Sciences

*Report for WP 2. Urban and rural resource management*

## **INTRODUCTION**

This is an English summary of three reports dealing with resource potential of Kostomuksha City and Kalevala Municipal District Located in northern parts of the Republic of Karelia. These reports have been compiled as part of “Green cities and settlements” (GREENSETTLE) project, which has been financed by Karelia ENPI CBC programme. The research has been done by specialists of the Karelian Research Center of the Russian Academy of Sciences. The original reports in Russian are available at project’s Russian website at <http://greensettle.krc.karelia.ru/section.php?id=11>

## **1. GENERAL DESCRIPTION OF THE NATURAL COMPLEX AND THE POTENTIAL OF NATURAL RESOURCES IN THE PILOT**

- Potential for development of the mining sector
- Potential for development of the forest sector
- Geological structure of the territory
- Tectonic characteristics of the territory
- Assessment of surface waters
- Geomorphological characteristics
- Characteristics of the landscapes of the pilot areas
- Description of forests
- Protected areas and biological resources
- Potential for tourism and recreation

## **2. OVERALL ASSESSMENT OF THE POTENTIAL FOR TOURISM AND RECREATION IN THE PILOT AREAS**

- Overall description and assessment of the potential for tourism and recreation in the pilot areas
- Assessment of current utilization of the tourism and recreation potential of the pilot areas, and perspectives for tourism development

The conclusion is that no more than 10% of the tourism and recreation potential of the pilot areas is currently utilized. The primary reasons for that are infrastructural constraints (first of all, limited capacity of tourist accommodation facilities) as well as the lack of qualified staff and large-scope integrated tourism-related projects that aim to optimize utilization of the tourism and recreation potential and enhance the tourism and related infrastructure in the areas (including projects on organization of local tourist centres in settlements of cultural and historical value, foundation and development of eco- and ethno-communities).

### **3. ASSESSMENT OF THE ENVIRONMENTAL SITUATION AND POTENTIAL FOR SUSTAINABLE DEVELOPMENT OF THE PILOT AREAS:**

- Environmental impact trends in Kostomuksha City and Kalevala Municipal District in 2010-2011
- Specific indices of environmental pollution in Kostomuksha City in 2011
- Assessment of air pollution sources
- Assessment of water pollution sources
- Municipal wastes
- Normative rates of solid municipal waste production by public, trade, amenity and other institutions
- Industrial wastes
- Waste production volumes at “Karelian Pellet” company
- Indicators of eco-intensity and eco-productivity

By analyzing the trends in the rates of environmental pollution in Kostomuksha City it has been concluded that the air pollution levels are increasing.