

Request for services (for realisation of Pilot Project in Pyryatynskiy National Nature Park within APENA Project)

Background information for tenderers

Established in 2009, Pyryatynskiy National Nature Park (NNP) is one of the youngest parks not only in the Poltava region, but throughout Ukraine. Despite his young age, the NNP is unique due to the high values of nature conservation, research, culture and education. The overall objective of the Pilot Project is to demonstrate Management Planning as key tool for successful implementation of the provisions of the Habitats and Birds Directives. The NNP is the pilot site for this contract.

In order to achieve effective conservation management, it has to be based on an understanding not just of the components of the site in terms of habitats and species, but how these components interact, the ecosystems they form, and the processes that sustain or threaten them. In particular, management measures must take into account past and present human use, its current or future impact, and the means by which optimum usage can be achieved.

Specification of services

In order to elaborate the intended management plan for NNP the contractor requires obtaining sufficient data describing the current situation of the pilot site. For that purpose, the following services (tasks) shall be conducted by the successful tenderer:

- (1) Acquisition of GIS data (shapefile format) from territory of NNP Pyryatynskiy (satellite image, river network, rail and road network, land use, forests, settlements) and provide to contractor until 30 September 2017
- (2) Analysis of territory of NNP Pyryatynskiy from different aspects, namely:
 - **Climate** - climatic features of the site
 - **Geology and land forms** - type of bed rock, erosion/deposition and other processes
 - **Soils and substrates** - mechanical composition, physical and chemical properties, depth, classification of soil types
 - **Hydrology** –hydrographical network in the area, records of surface and ground water status and dynamics, water quality
 - **Agriculture** - agricultural uses in and outside the site especially when they affect the quality of the site
 - **Forestry** – forestry or silvicultural activities in and outside the site
 - **Recreation and tourism** - frequency of visits to pilot site, any seasonal variation and estimate the impact on important site features.
 - **Hunting and fishing** - information on estimates of, or actual numbers taken, relevant laws and regulations, the efficiency of regulation.
 - **Education, demonstration and research** - all educational and research use of the site.

The analysis will be done in text format (*.doc) in English (up to 5 pages per aspect). It shall include necessary graphs, tables and pictures per aspect. Extent of total text should

be up to 50 standard pages but no less than 30 pages. The analysis shall be done until end of November 2017.

- (3) Prepare and print final 50 maps (content of maps will be provided by the contractor in time) by using GIS software and equipment for (ArcGIS or compatible software, A0 plotter) by April 2018.

Indicative start of works: early September 2017.

If you would like to be considered for this service, please send your **commercial offer** in English by email to apena@eptisa.com no later than **6pm Kyiv time (GMT+2), August 16, 2017**, titled:

“GIS Services for Nature Pilot Project”

Applications received after the deadline will not be considered.