



## **Project of Strategic Interest NEXTDATA**

### **Deliverable D2.1.6**

**Report on the activities of training and configuration of the shared system.**

**WP Coordinator: Maria Teresa Melis**  
Ev-K2-CNR, Italy

**Co- author:**  
**F. Dessì**  
Laboratorio TeleGIS, Università di Cagliari, Italy

Some of the activities of the NextData Project are devoted to the consolidation of relationships with key partners and research institutions in Pakistan (PMD, WAPDA, GCISC), concerning the management and enhancement of observational systems and local storage, processing and validation data according protocols and comparison with the international scientific community on key issues in the region of Hindu-Kush Karakoram Himalaya (HKKH). As part of these activities, a trip to Pakistan from 9 to 17 March 2014 has been carried out with the aim of illustrating and train local staff of various organizations and institutions around the sharing technologies and data acquisition using the GeoNetwork platform. Correspondingly, seminars in Islamabad and Gilgit (Baltistan) were organized.

### **Objectives of the activity**

The main aim of this activity was to carry out two training courses for the staff of local institutions at Islamabad, as PMD, WAPDA, GCISC, ICIMOD and at Gilgit for the PhD students of KIU, the personal of CKNP, Forest department, Rescue 1122 and WWF. The first part of the course was held in Islamabad with the specific objective to illustrate the installation, data loading and querying procedures of the SHARE-GeoNetwork system and its services for the cataloguing of data and metadata of climatological stations.

The second course, held in Gilgit, focused on the illustration of the basic techniques of remote sensing data processing and analysis using satellite images and GIS analysis.

The data validation methodologies were also presented in the field using GPS equipments.

### **Involvement of local researchers/local communities**

- Islamabad: staff of PMD, WAPDA, GCISC, ICIMOD, a total of 12 students.
- Gilgit: KIU students; staff of CKNP DIRECTORATE, DEPARTMENT FORESTS GB REPRESENTATIVES, PLANNING AND DEVELOPMENT DEPARTMENT GILGIT-BALTISTAN, a total of 20 students.

### **On site activities**

Activities held at Ev-K2-CNR Islamabad Office, in KIU IT hall, and in the field around Gilgit for the practical session with the GPS.

### **Tools**

- Laptop, projector, GPS, compass, field data sheets.
- Software: GeoNetwork Opensource, Trial version of ENVI, ArcGIS and ArcPAD.

### **Any preparatory or post-mission activities carried out**

The activities carried out before the depart concerned:

- Presentations (.PPT).
- Organization of teaching equipment as well as software and data to be used during practical sessions.
- Printing of map to be used in the field and field data sheets.
- Arrangement of ArcPad project and interface for the GPS.

**Preliminary results**

Both courses had very positive feedback from the attendees, with a considerably high level of interest regarding technologies and methodologies illustrated. The staff of the PMD also showed the will to share their own data through the services of the NextData SHARE-GeoNetwork portal.

**Continuation of the activities**

The participants in the training activities have shown interest and demanded to continue the training activities in the future, to strengthen and consolidate the concepts presented during these courses.