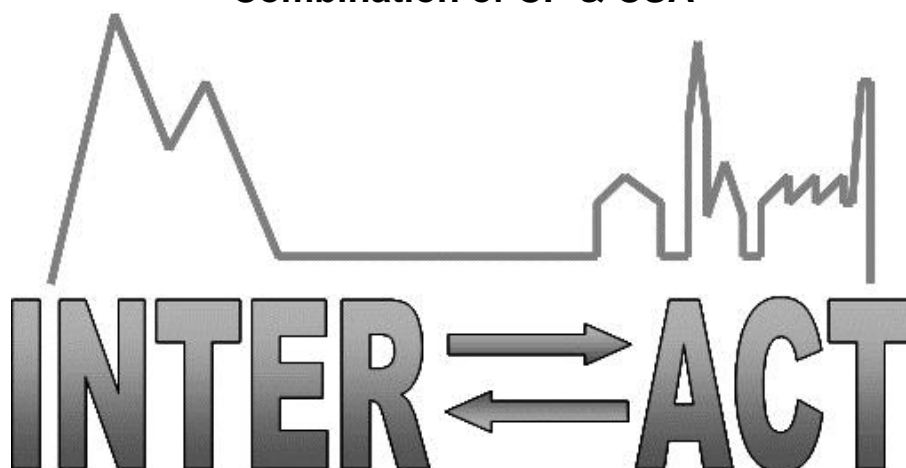


Combination of CP & CSA



D7.5 – Enhanced GIS: An enhanced GIS containing monitoring information available on the INTERACT web site

Project No.262693– INTERACT

FP7-INFRASTRUCTURES-2010-1

Start date of project: 2011/01/01
Due date of deliverable: 2013/08/31

Duration: 48 months
Actual Submission date: 2013/08/31

Lead partner for deliverable: SLU
Author: Tomas Thierfelder

Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the Consortium (including the Commission Services)	
CO	Confidential, only for members of the Consortium (including the Commission Services)	

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Publishable Executive Summary

Deliverable 7.5, “Enhanced GIS – an enhanced GIS containing monitoring information available on the INTERACT web site”, has two components. Firstly, there has been a deployment of Monitoring GIS at the Abisko Scientific Research Station. Secondly, this enhancement of the Abisko Scientific GIS is accessible through the INTERACT web site as a result of D7.4. Through the aim of deploying the monitoring GIS, equipment permanently installed at the Swedish Abisko Scientific Research Station has been thoroughly represented in the Abisko Scientific GIS, and may be found under the menu alternative “Monitoring” at www.abiskogis.se. With the Monitoring GIS, the administrative routines of keeping a monitoring catalogue updated have been transferred from traditional media to a publically available web resource. Considering active monitoring equipment across field stations is an important step towards sharing resources and improving the effectiveness of the collective monitoring effort. An example of the visualisation of the monitoring component available through a link on the INTERACT web site can be seen below.

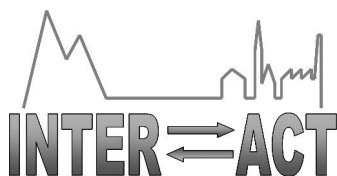
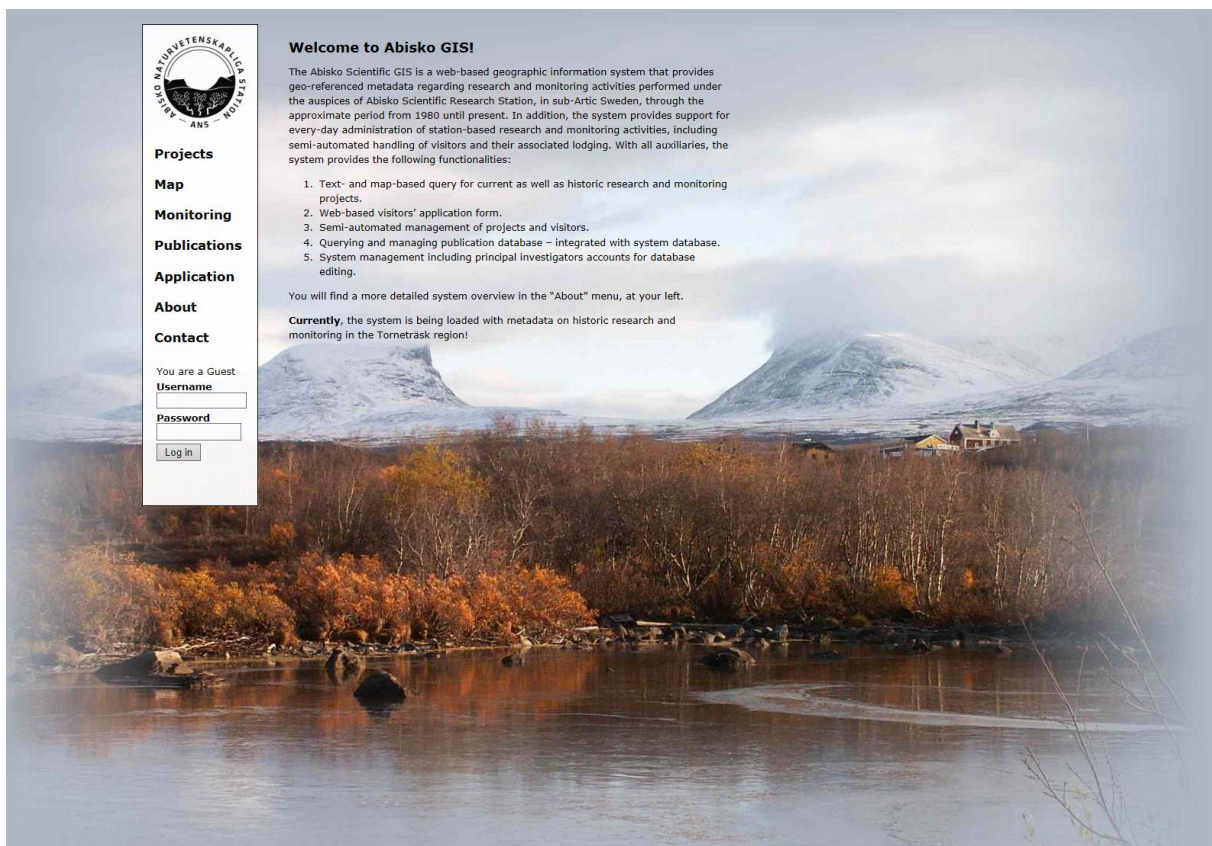
INTERACT Deliverable Report 7.5

Work Package 7: Data Management

Deliverable 7.5: Enhanced GIS – Deployment of Monitoring GIS at Abisko Scientific Research Station

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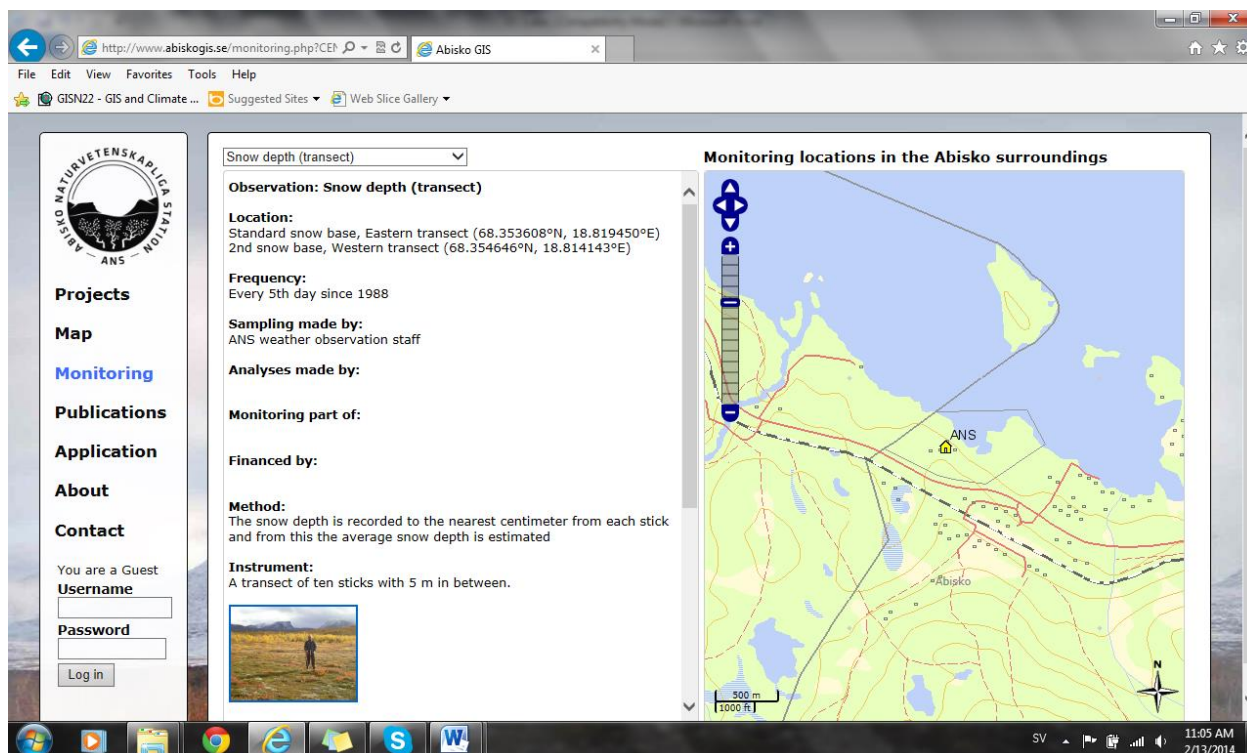
INTERACT Deliverable 7.5

Enhanced GIS

A geographic metadata catalogue for environmental monitoring and research

The Abisko Scientific GIS (<http://www.abiskogis.se>) is a web-based geographic information system that will provide geo-referenced metadata regarding research and monitoring activities performed under the auspices of Abisko Scientific Research Station, sub-Artic Sweden, through the approximate period from 1980 until present. In addition, the system is generically designed for every-day administration of station-based research and monitoring activities, including semi-automated handling of visitors and their associated lodging. Via the administration of visitors, standardized (INSPIRE-compatible) protocols are utilized for harvesting new metadata that describe their intended research and monitoring activities. When these metadata are added to the existing geo-database, present station activities are connected with the past at real-time pace.

Deliverable 7.5, “Enhanced GIS – an enhanced GIS containing monitoring information available on the INTERACT web site”, has two components. Firstly, there has been a deployment of Monitoring GIS at the Abisko Scientific Research Station. Secondly, this enhancement of the Abisko Scientific GIS is accessible through the INTERACT web site as a result of D7.4. Through the aim of deploying the monitoring GIS, equipment permanently installed at the Swedish Abisko Scientific Research Station has been thoroughly represented in the Abisko Scientific GIS, and may be found under the menu alternative “Monitoring” at www.abiskogis.se. With the Monitoring GIS, the administrative routines of keeping a monitoring catalogue updated have been transferred from traditional media to a publically available web resource. Considering active monitoring equipment across field stations is an important step towards sharing resources and improving the effectiveness of the collective monitoring effort. An example of the visualisation of the monitoring component available through a link on the INTERACT web site can be seen below.



Enhanced GIS presenting monitoring sites and general information from the Abisko region.