

## ECP 2005 GEO 038026 EGN

### EGN

# User Testing Component

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<sup>1</sup> OJ L 79, 24.3.2005, p. 1.

## 1 Executive Summary

The EGN Consortium and in particular Work package (WP) No 9 have made arrangements for a Test Phase which will follow the implementation of the EGN Infrastructure. The intention is to evaluate the EGN achievements and support the further development.

Two main components of the technical EGN Architecture are involved. The end-user will access the so-called EGN Web GIS Reference Application by an internet browser. The Reference Application will connect to the EGN Central Service, which again is supplied by the EGN Local Services. For the end-users and Value Added Resellers (VARs) the Local Services are not visible, so the testing will concentrate on the EGN Central Service or more precisely the EGN Web Service as a whole.

Three groups will be involved in testing (see also D9.1).

The technical questions are naturally linked with the developments in WP6 and WP7, and information will come directly from these Work packages and from experts within the project.

The data providers will give feedback through an online form. The group of data providers comprises the Reference Group plus the three members of the consortium, who grant access to their data (BKG, BEV, SMA).

Participation of end-users is especially important and therefore EGN will use its contacts to the EGN Interest Group and communities related with geo informatics (GI). By this step a good number of non-project testers should be reached. An online form then gives them a convenient possibility to respond.

The online forms base on prior work, which has been compromised under the term Web Service Requirements. They were discussed in several documents (D6.1, D9.1, D11.1).

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## 2 Introduction

### 2.1 Objectives of WP9

Since the delivery of D9.1 User Test Plan progress has been made in several work packages. The most important dependencies of WP9 concern WP7, where a concept of the Reference Application has been delivered, and WP6, which provided a prototype and an interface specification for the EGN Web Service.

As defined in D9.1 the objective of WP9 will be to test, evaluate and assess the EGN Web Service and Reference Application. The task of D9.1 was to set up a plan for this process.

Within D9.2 the means for feedback supported testing are provided and documented.

The evaluation and assessment results of the Test Phase will be documented in a comprehensive Test Implementation Analysis (D9.3).

### 2.2 Purpose

This document describes which steps were taken in order to facilitate the Test Phase. While the components for testing the technical parameters come from WP6 and WP7, WP9 provides the means to collect the feedback of providers and end-users.

### 2.3 Change summary

Version	Date	Author	Notes
0.1	27/02/2008	Walter Wurzer	Initial draft

### 2.4 Related Documents

Title	Author	Date	Version
/1/ Web Services requirement documentation	Anne Blankert, Frans Knibbe	31/05/2007	D6.1
/2/ User Test Plan	Walter Wurzer	31/08/2008	D9.1
/3/ Analysis of the “state of the art”: Issues for implementing the EGN	BKG, Geodan, ESRI	30/11/2007	D11.1

infrastructure			

## 2.5 Contact details

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### **3 Testing components**

#### **3.1 Technical and Expert Testing**

The testing of applications and services under technical aspects will be done in the respective working packages. The functionality of the EGN Central Service (WP6) is essentially tested by the EGN Web GIS Reference Application (WP7) and the ESRI ArcGIS Extension. The VAR's perspective is taken by WP7 (Pro DV, Geotask) and WP8 (ESRI).

Technical data can be retrieved from the log files of the EGN Central Service and the EGN Web GIS Reference Application. Examples are response times of queries and access statistics.

Evaluation of more complex issues like security, compliance with standards and fulfilment of business requirements will have to be judged by qualified people within the project.

Special test software for WP9 is not necessary.

#### **3.2 Online Form for Data Providers**

The group of data providers consists of the members of the Reference Group and three Consortium members BKG, BEV and SMA. After the implementation of the web services they will be contacted (via email) and asked to reply to the online form.

(Click the following web link to view the online form for providers)

[http://www.surveymonkey.com/s.aspx?sm=GB3Dsbg\\_2b3GXiGidzNJxRvQ\\_3d\\_3d](http://www.surveymonkey.com/s.aspx?sm=GB3Dsbg_2b3GXiGidzNJxRvQ_3d_3d)

The following remarks concern the content of the providers' online form:

The major part of the questions follows from the Web Service Requirements, which were documented in D6.1, D9.1 and D11.1 in the section for data providers.

In addition the respondents are asked to quantify the efforts they have put into the implementation of the local web service. This will strongly depend on whether they have developed their local service on their own or use the software provided by Geodan (determined by the first question in the online form). Differences can also be expected concerning the type of implementation effort, whether this investment in hardware or software investment, effort of data transforming, service development and service installation.

When speaking about “richness of data” one must consider that this question cannot be judged in the context of the EGN Web Services alone but we also have to take into account the existing data and the conceptual model.

The implementation of the EGN Infrastructure might lead to some changes in the online form.

### 3.3 Online Form for End-users

The group of end-users will test the EGN Central Service by using the functionality of the EGN Web GIS Reference Application. The main addressee will be the EGN Group of Interest. Another platform for testing EGN is suggested to be the GI-Testbed (<http://plone.itc.nl/gitestbed/>). This is a geospatial testbed for the European research community.

The end-users will have the opportunity to use EGN and give feedback by an online form. Online forms offer a convenient way to give feedback and are therefore widespread in internet applications.

(Click the following web link to view the online form for end-users)

[http://www.surveymonkey.com/s.aspx?sm=WmsuRw1Jjpy8i\\_2bjZfrXxsg\\_3d\\_3d](http://www.surveymonkey.com/s.aspx?sm=WmsuRw1Jjpy8i_2bjZfrXxsg_3d_3d)

In order to get many responses the online form should be accessible easily. A good possibility would be to attach a web link to the Reference Application or the EuroGeoNames homepage. After submitting the form the end-user will be redirected to EGN.

Below are some remarks concerning the content of the end-users’ form:

The questions follow from the Web Service Requirements, which were documented in D6.1, D9.1 and D11.1 in the section for end-users.

The form allows to specify the problem types which could possibly occur when using EGN Web Services and Reference Application.

The domain for the average response rate should be close to the one, which an end-user would use. More technical values can be retrieved from log files.

The languages in the drop-down of Question 5 are defined by EGN. (see D11.1, Section 6, Translations).

The end-user will judge data richness different from the provider and the answers will to some extent reflect his expectations.

As the Web Services and the Reference Application are currently in development, adaptations to the online form are possible. For example the question regarding the service level depends on what will finally be implemented.

## **4 Next Steps**

The next step for WP9 will be the Test Phase itself. The Test Phase will start immediately with the EGN Infrastructure being operational. WP9 will inform the end-users about the beginning of the Test Phase and ask them to cooperate. The providers will be contacted separately.

Collection of test results (end-user, provider, technical results) will continue until November. Analysis of results can start in October and subsequently the WP9 members will compile the reporting deliverable D9.3 Test Implementation Analysis (incl. Implementation technical reports).