

**Title:**

EWP1.-D1.2: Outreach Activities and Workshops Summary Report

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**Working Group:**

EWP 1

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This report summarizes the activities and results achieved in the HUMBOLDT Extension Work Package 1.2 (Outreach Activities).

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## 1 Introduction

This document gives an overview of the outreach activities (EWP 1.2) carried out during the extension period (PM 49-54) of the HUMBOLDT project.

## 2 Methodology: Workshop Preparation and Evaluation

The core motivation to be followed in the project extension was to exploit the opportunities to strengthen the sustainability of the project results. This was meant to be achieved by

- Spreading the expertise and knowledge gained during the project;
- Achieve wider use of the HUMBOLDT Framework Components and greater acceptance;
- Generating success stories in dedicated user communities to increase the visibility and the exploitation opportunities;
- Focus for the extension period on Exploitation, Dissemination, Training and adoption of HUMBOLDT software for additional user communities;

As the main purpose of the extension was the education of potential users about the results that the project has created and about potential benefits these can bring, the main process in the extension was focused on the user groups that are involved to ensure that their requirements are collected and followed up on. The goal of this was to provide each contacted stakeholder with the right information and to involve them in an optimal way – both from their perspective and from the project's perspective. To summarize, there was no overall waterfall-like approach, but rather a user-specific process that led through several activities, e.g. invitation to workshops and provision of materials, and which was triggered by the user's initial contact or expression of interest.

In general, stakeholders go through three phases of interaction with the project:

- 1st level: Initial Contact – stakeholders get problem awareness and an introduction to HUMBOLDT methodological and technical aspects, while the project gets general feedback, e.g. on the general applicability of the approach and the stakeholders demand for a solution or support;
- 2nd level: Understanding – stakeholders get problem understanding and methodological understanding as well as training that teaches how to apply solutions to an application issue. The project gets requirements and detailed feedback;
- 3rd level: Involvement – stakeholders continuously follow the project activities and support it by using solutions, documenting this, eventually contributing to the community knowledge base and to the technical solutions, either through source code contributions or through financing projects;

To ensure that workshops contribute to the goals of the project, their preparation, execution and evaluation had to follow a common methodology. As part of the preparation, each Workshop was classified according to its goals and the targeted communities. The expectations towards a workshop's results were derived from its goals. These are possible goal categories, together with the main user types and the expected result types:

- 1 – Market assessment (End Users, Decision Makers), leading to high-level requirements, business process descriptions and input to the market studies on harmonisation tools
- 2 – Disseminate solution/methodology knowledge (End Users, Data Custodians), leading to new contacts
- 3 – Direct Support of continued developments (Developers), leading to contributions to the HUMBOLDT community and framework

- 4 – Disseminate implementation knowledge (Data Integrators), leading to new installations of HUMBOLDT software
- 5 – Evaluation of HUMBOLDT components (End users, Data Integrators, Data Custodians), leading to detailed requirements and evaluation reports

In addition to this definition of the workshops' contribution to the project, each workshop description also had to answer the questions what it was about, who was supposed to be targeted with the outreach activity and who was expected to benefit in which way.

Workshops also needed to follow an evaluation procedure. This evaluation procedure was developed based on questionnaires elaborated for the eSDI-Net+ project Workshops and focuses both on the workshop participants and organisers' expectations and results. For planning purposes a questionnaire comprising basic questions on the workshops' aims, goals and target groups were distributed in the beginning of the extension period (template is available in Annex I). For the events themselves a participant questionnaire was developed (template is available in Annex II). This aimed at revealing expectations, interests in HUMBOLDT Tools and Services as well as the satisfaction of workshop participants. The latter questionnaire was only distributed if appropriate for the respective kind of event/workshop. For the workshop organizers themselves a similar questionnaire was prepared to reveal whether expectations, aims and goals could have been met and to document additional outcomes of the events.

The participant evaluation forms were summarised by the workshop organiser, who sent the summarized results to the relevant EWP leaders and documented additional outcomes via the appropriate project infrastructures, specifically the Customer Relationship Management (CRM) system, the community website and the HUMBOLDT intranet. The main results are also documented in the following chapters.

## Workshops and Outreach Activities

### 2.1 Overview

In the extension period, altogether 22 workshops and important presentations dedicated to HUMBOLDT results were organised by HUMBOLDT partners. Figure 1 shows the distribution of contact levels according to the "depth" or "strength" of contact. (Note: multiple categories may apply for each workshop).

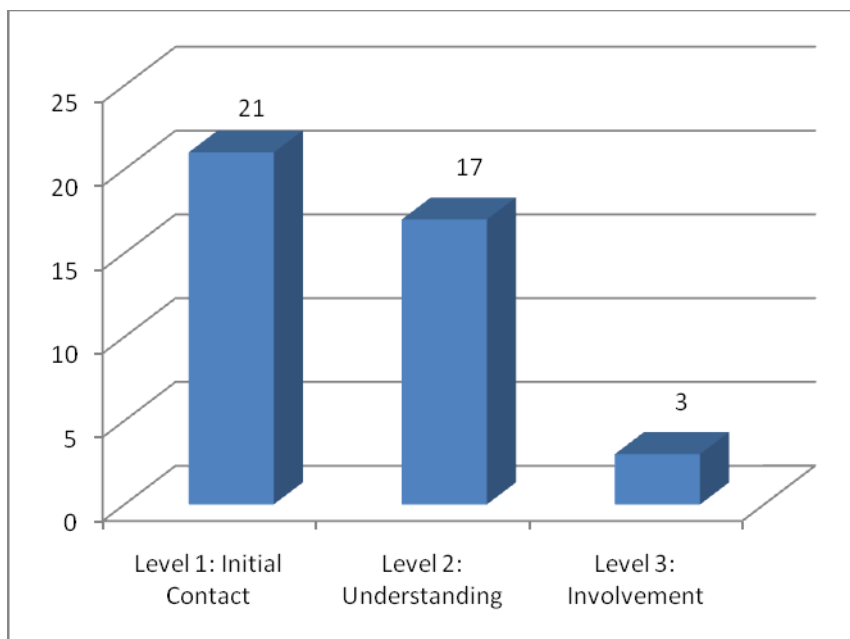


Figure 1. Contact level distribution of HUMBOLDT workshops in the extension period (01.10.2010-31.03.2011)  
Unit: [number of workshops]

It is apparent that although all workshops serve as "initial contact" for users with no prior knowledge on the project, "understanding" is also mentioned close on the second place with the difference between the two categories being not dramatic. Dissemination and awareness-rising activities during the project period yielded a good overall visibility of the project, and it gave us a chance to put more details in the presentations. Direct "involvement" is only mentioned 3 times, which also indicates that the majority of INSPIRE bound organisations are only beginning to deal with geo-data harmonisation processes and that developers dealing with this specific topic are hard to find. Direct involvement at this stage can rather be found in form of contributions and comments at the HUMBOLDT Community Website and Forum. Of course, this also means that a stronger focus will have to be put there at a later stage.

Figure 2 shows the distribution of different objectives (as mentioned in the previous chapters) among workshops.

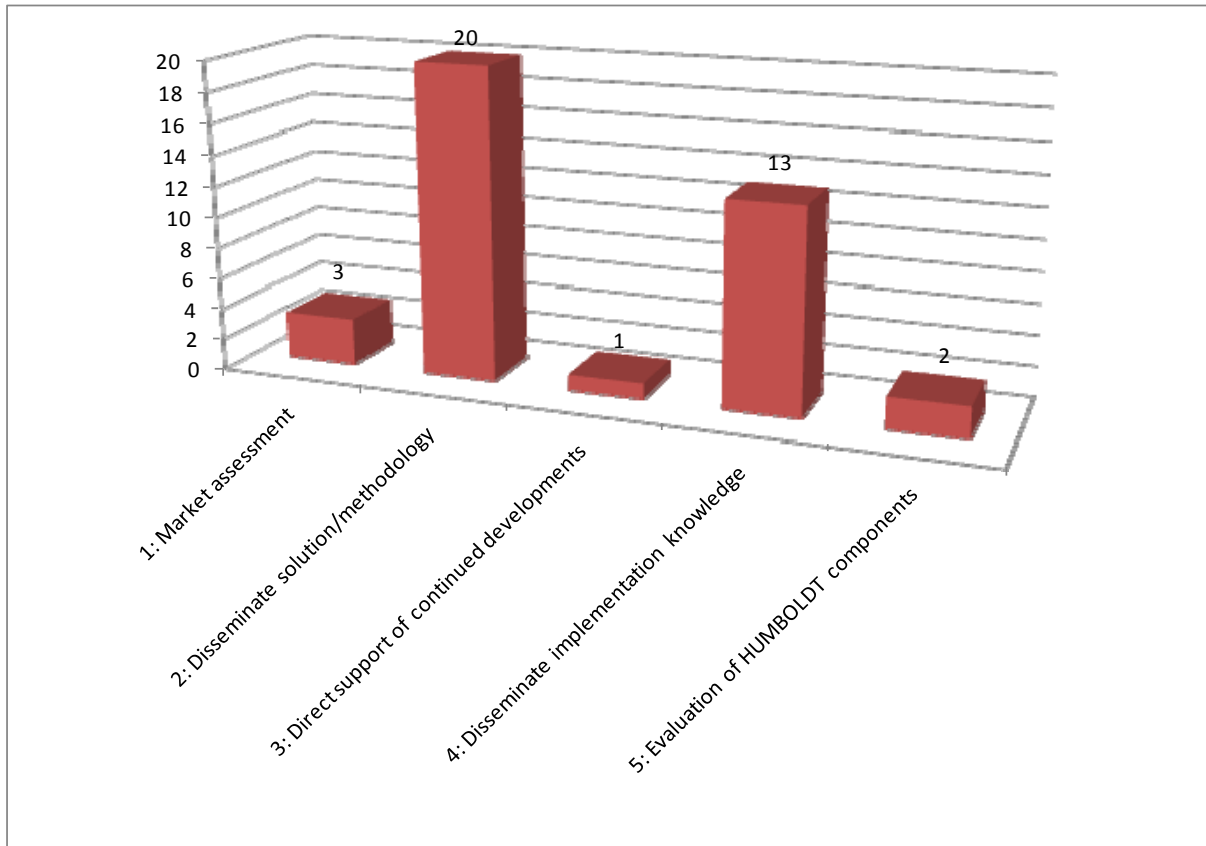


Figure 2. Distribution of the objectives for HUMBOLDT workshops in the extension period (01.10.2010-31.03.2011)  
Unit: [number of workshops]

As on the previous chart, an important shift from initial "market assessment" towards more direct dissemination can be observed. Dissemination of implementation knowledge is on second place, supported by the software tools developed and know-how achieved in the project period. However, few workshops were aimed at the direct support of continued developments or the evaluation of HUMBOLDT components. These two objectives are however strongly supported by the online community and can be catalysed by online tools such as the Community Website.

Figure 3 shows which user groups were targeted (and reached ) by HUMBOLDT workshops in the extension period.

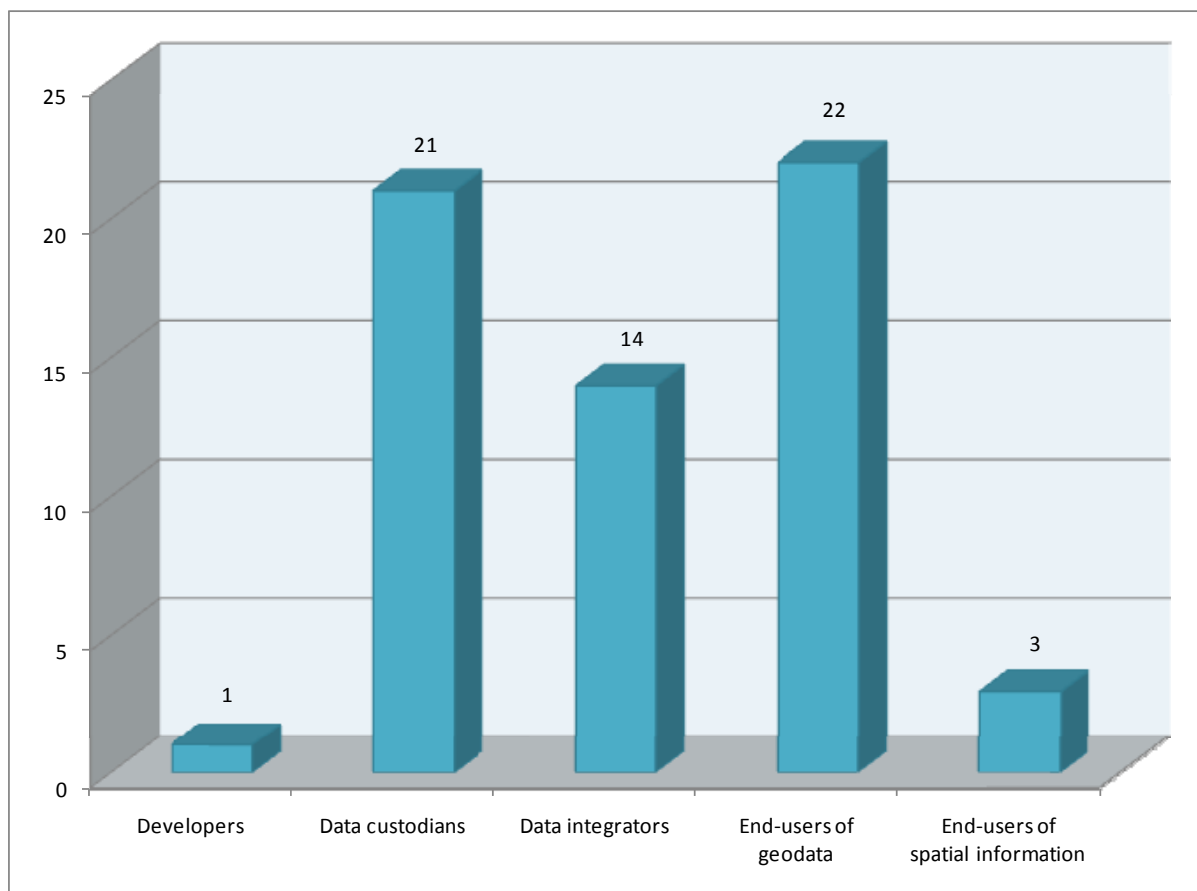


Figure 3. User groups reached by HUMBOLDT workshops in the extension period (01.10.2010-31.03.2011).  
Unit: [number of workshops]

Findings based on previous graphs are corroborated by the results shown on this chart. It can be seen that we have primarily reached an almost equal number of data custodians (interested e.g. in complying to INSPIRE rules) and end-users of geodata. Data integrators were also well represented at the workshops. End-users of spatial information were mainly involved as high-level contacts. As mentioned above, there were only few workshops targeted at the involvement level. Therefore, only one workshop directly aimed at developers. In the future, the online presence (Community website, etc.) can be used to enhance and intensify communication with this user group.

The below table gives an overview on the presentations given and workshops organised in the frame of the project extension.

In the subsequent chapters selected Workshops and Outreach Activities are described in detail.

**Table 1: Summary of HUMBOLDT Workshops and presentations during the extension period**

	Title	Project Partner	Website or contact	Location	Date	Public Event?	Goals	Participants
1	WORKSHOP on HUMBOLDT PROJECT at SDI Conference 2010	UISoR, HiG	Point of contact: Mauro Salvemini (UISoR); <a href="http://sdi2010.evkartenn.com/?page_id=16">http://sdi2010.evkartenn.com/?page_id=16</a> See chapter 3.2	Skopje, Republic of Macedonia	16. Sep 10	Yes	2,4	32
2	The HUMBOLDT approach for data harmonisation for Plan4all, Habitats and SDI-EDU David Ludlow - Presentation	UISoR, UWE, HSRS	<a href="http://www.plan4all.eu/wiki/Main_Page">http://www.plan4all.eu/wiki/Main_Page</a>	Rome, Italy	15 Oct 2010	No	2, 4	45
3	EFAEP General Assembly	UISoR	<a href="http://www.efaep.org/">http://www.efaep.org/</a>	Brussels, Belgium	25 Oct 2010	yes	2	15
4	GS Soil WP 5 Technical Meeting, HUMBOLDT presentation by Daniel Fitzner	Fraunhofer	Point of contact: Daniel Fitzner (Fraunhofer)	Brussels, Belgium	27 Oct 2010	no	2	20
5	Integrated Urban Monitoring Europe (IUME), Dissemination of ongoing research under the framework of IUME and promotion of HUMBOLDT framework tools for harmonization and integration aspects.	UWE	Point of contact: David Ludlow (UWE)	Brussels, Belgium	09 Nov. 2010	yes	2	25
6	Workshop and training session at the ASITA 2010 Conference <i>Two events</i>	UISoR, GISIG, CNR-IREA	<a href="http://www.asita.it/">http://www.asita.it/</a>	Brescia, Italy	9-12 Nov 2010	Yes	2, 4	15 25
7	INSPIRE Implementation for LMOs: Harmonisation and HUMBOLDT Tools  <i>Several events</i>	TUD	Point of contact: Sisi Zlatanova (TUD)	Delft, The Netherlands	12. Nov. 14. Nov. 19. Nov. and 26. Nov. 2010	No	4, 1, 2	34 6 25 31

	Title	Project Partner	Website or contact	Location	Date	Public Event?	Goals	Participants
8	Symposium GIS Ostrava 2011: Workshop "Harmonisation and Integration tools supporting INSPIRE implementation"	HSRS, Fraunhofer	<a href="http://gis.vsb.cz/gisostrava/">http://gis.vsb.cz/gisostrava/</a>	Ostrava, Czech Republic	25-27 January 2011; Workshop: 26 Jan 2011	no (part of the symposium)	2, 3, 4	36
9	Workshop in data harmonisation for planning and urban management data for stakeholders of Regional and Provincial Authority of Piedmont and Liguria in view of an e-learning training action	GISIG	<a href="http://www.gisig.it/humboldt/corso_data_harmonisation/">http://www.gisig.it/humboldt/corso_data_harmonisation/</a>	Turin, Italy  Genoa, Italy	14.febr.11  and 15.febr.11	No	1, 5	42
10	How to learn from harmonisation tools for environmental and energy sustainability	UISoR	Point of contact: Mauro Salvemini, Laura Berardi	Villa Vigoni, Lovenno di Menaggio (Como), Italy	21.Feb 2011	Yes	2	13
11	CISIS Data Harmonisation Workshop	UISoR	<a href="http://www.cisis.it/">http://www.cisis.it/</a>	Rome, Italy	23.febr.11	Yes	2	14
12	The HUMBOLDT approach for data harmonisation for BRISEIDE project	UISoR, GISIG	<a href="http://www.briseide.eu/">http://www.briseide.eu/</a>	Lisbon, Portugal	23.febr.11	No (project related WS)	2, 4	40
13	"Plan4All Seminar: Spatial Planning in Europe in terms of INSPIRE - Information, Requirements and Challenges (Humboldt and Urban Atlas)"	UWE	Point of contact: David Ludlow (UWE)	Brussels, Belgium	24. Feb 2011	Part of seminar	2, 3, 4, 5	25
14	HUMBOLDT Workshop "Best practice in harmonisation of geographical data" (organised for marine data managers from the Black Sea countries)	MARIS	Point of contact: Peter Thijsse  <a href="http://www.iode.org/index.php?option=com_content&amp;task=viewEventRecord&amp;eventID=809">http://www.iode.org/index.php?option=com_content&amp;task=viewEventRecord&amp;eventID=809</a>	IOC-IODE offices, Wandelaarkai 7 - Pakhuis 61, Oostende, Belgium	4 March 2011 (08:30-15:00)	No (project related WS)	2, 4	58

	Title	Project Partner	Website or contact	Location	Date	Public Event?	Goals	Participants
15	ISPRA	UISoR	<a href="http://www.isprambiente.it/site/it-IT/">http://www.isprambiente.it/site/it-IT/</a>	Rome, Italy	March 29, 2011	Yes	2	13
16	EUROGI	UISoR	<a href="http://www.eurogi.org/default.asp">http://www.eurogi.org/default.asp</a>	Rome, Italy	Feb/Mar 2011	Yes	2, 4	20
17	AGISEE Data Harmonisation Workshop "Methods and Tools for the implementation of the European Directive INSPIRE"	GISIG, UISoR	<a href="http://www.agisee.org/">http://www.agisee.org/</a>	Sofia, Bulgaria	March 16, 2011	Yes	2, 4	101
18	2nd EO-GMES Workshop  HUMBOLDT presentation/Urban Atlas/Community Building - Information Dissemination	UWE	Point of contact: David Ludlow (UWE)	Sofia, Bulgaria	17- 18 March 2011	Yes (conference)	2, 4	n/a
19	Presentation of HUMBOLDT results for Chilean SDI stakeholders	ULSoR	Mauro Salvemini, Laura Berardi	Rome, Italy	4 and 7 March 2011	No	2,4	12
20	Training workshop: „Datenharmonisierung im Kontext von INSPIRE“	TUM	<a href="http://www.rtg.bv.tum.de/index.php?option=com_content&amp;task=view&amp;id=533&amp;Itemid=9&amp;Itemid=43">http://www.rtg.bv.tum.de/index.php?option=com_content&amp;task=view&amp;id=533&amp;Itemid=9&amp;Itemid=43</a>	Munich, Germany	Conference 21. - 24. March 2011, Munich; workshop: 22.03.2011	Yes	2, 4, 5	15
21	HUMBOLDT Workshop - Beyond Europe - Community Building at the National University of Sciences and Technology in Islamabad, Pakistan	UWE	Point of contact: David Ludlow (UWE)  <a href="http://www.nust.edu.pk">http://www.nust.edu.pk</a>	Islamabad, Pakistan	23-24 March 2011	Yes, Partner project event	2, 4	n/a
22	Humboldt Workshop "HUMBOLDT Project - an effort in Data Harmonization"	HCMR	Angelos Lykiaropoulos	HCMR, Greece	28 March 2011	Yes	2, 4	13
	<b>TOTAL</b>							<b>675</b>

## **2.2 International Conference on SDI 2010**

*International Conference on SDI 2010, Skopje, Republic of Macedonia, 15 - 17 September 2010*

WORKSHOP on HUMBOLDT PROJECT

Organized by Sapienza Università di Roma – LABSITA (UISoR)

Other HUMBOLDT Partners involved: HiG

### **2.2.1 Workshop rationale and outlines**

The HUMBOLDT Workshop has been organised during the Conference SDI 2010 ([www.sdi2010.evkartenn.com](http://www.sdi2010.evkartenn.com)), 15th – 17th September at FON University in Skopje, Republic of Macedonia. One of the main theme of the conference was the development and use of Spatial Data Infrastructures (SDI's) and all their aspects. In this context the Workshop has fully demonstrated the need of investing adequate resources on the strategic dissemination and on the capacity building of some communities already interested in SDIs and in the INSPIRE issue.

The Workshop gave in the beginning an overview of Humboldt project within the framework of INSPIRE situation focusing on the crucial aspect of harmonization for fulfilling the mandate of the Member States regarding the INSPIRE Annexes. The second part of the WS has been devoted to present the HUMBOLDT framework and the tools developed. Specific reference has been given to the way how the tools and services have been made available on the web. Some scenarios have been used for demonstrating how and why to operate through HUMBOLDT framework. The third part gave the exact picture of the training and educational tools developed for making possible the use of the HUMBOLDT framework and services.

More information on the conference and the presentations held are available at [http://sdi2010.evkartenn.com/?page\\_id=16](http://sdi2010.evkartenn.com/?page_id=16).

### **2.2.2 Workshop results**

It has to be said that not only a considerable attendance was present and followed with great interest all the WS but a substantial Q&A session at the end demonstrated how the attendees were interested in several key aspects. Among the most relevant some have to be considered: the availability of web services and the open source policy, the scalability of the system and the usability in terms of integration in systems already in place, the way how the training is offered and how it is possible to be used.

The findings of the WS have been excellent and some follow up is expected on the basis of great interest and of contacts asked to the presenters.

As lesson learned from the event it should be considered to repeat this kind of workshop in similar adequate context for exploiting the results of the project. It should be highly considered that the web site, even if a reference point, is not absolutely sufficient to represent the real value of the Humboldt results which have to be presented as much as possible to interested communities during alive seminars.

## **2.3 Plan4all Thematic Workshop**

*Plan4all Thematic Workshop, Lazio Region in Rome, Italy, 13 – 15 October 2010*

HUMBOLDT Workshop for our partner project PLAN4ALL

Organized by Sapienza Università di Roma – LABSITA (UISoR)

Other HUMBOLDT Partners involved: UWE, HSRS

### 2.3.1 Workshop rationale and outlines

The HUMBOLDT workshop has been organised during the Plan4all Thematic Workshop (<http://www.plan4all.eu/simplecms/?menuID=106&action=article&presenter=Article>), 13th – 15th October at Lazio Region in Rome, Italy. The Plan4All workshop was a Project Meeting, not open to public but attended only by project partners, in order to take strategic decisions for the project.

The Plan4All project has to face urban planning issues in the context of spatial planning data and related metadata according to the INSPIRE principles.

Plan4All and HUMBOLDT projects have to face similar issues for spatial data, so the workshop dealt with all the issues that could be useful for the PLAN4ALL project.

The HUMBOLDT workshop gave in the beginning an overview of the project, taking in consideration the peculiar aspects of the Plan4All project and trying to show how the project faced harmonisation and other relevant issues; moreover it was introduced the HUMBOLDT training framework for education and HUMBOLDT training platform. The second part of the workshop was focused on technical aspects and Urban Planning Scenario was presented in detail, as it represents a Plan4All interest area. Moreover some aspects related to software and tools developed by the project have been showed. The third part gave an exact picture of Urban Atlas Scenario and the need of open, harmonized and standardized system in order to share knowledge between citizens, planners and political representatives.

### 2.3.2 Workshop results

The workshop was followed with interest by participants and the questionnaires demonstrated how the attendees were interested in introduced topics and scenarios.

In particular, attendees had great interest in the presentation of tools, asking if those tools were available and how, and were interested in the methodology and concepts used and explained in the Urban Atlas Scenario.

One of lessons learned during the workshop is that presenting HUMBOLDT project results towards other project currently going on is very important. In fact other partners may understand how to overcome critical points from the experience gained in another project, or may have a new point of view, may gain knowledge of new tools useful for their scope.

In this case attendees showed their interest in HUMBOLDT project, in particular about urban planning topics, and the way they were faced, and about harmonisation tools and technical aspects.

The Question and Ask session at the end demonstrated that people involved in PLAN4ALL project are interested in HUMBOLDT products and results, that can be useful and reused in their activities.

### 2.3.3 Results from the Evaluation questionnaire

For the HUMBOLDT workshop at the Plan4All meeting an evaluation questionnaire was specifically developed in order to individually depict the outcomes of the outreach activities for our partner project. The questionnaire is available in Annex IV.

**Number of participants: 45      Number of return questionnaires: 28**

**Table 2: Participants of the evaluation questionnaire**

Participant details		%
1	In the Humboldt project consortium	4
2	In the Plan4All consortium	92
3	Plan4All affiliated partner	4
4	An external partner	0
5	Other	0
category		
1	Public - General administration	3
2	Public - Local & regional Authority	27
3	Public - EU Authority	0
4	Public - Member state Authority	3
5	Public - data provider	0
6	Research	34
7	Education	7
8	NGO & citizen	13
9	Commercial	13
10	Other	0

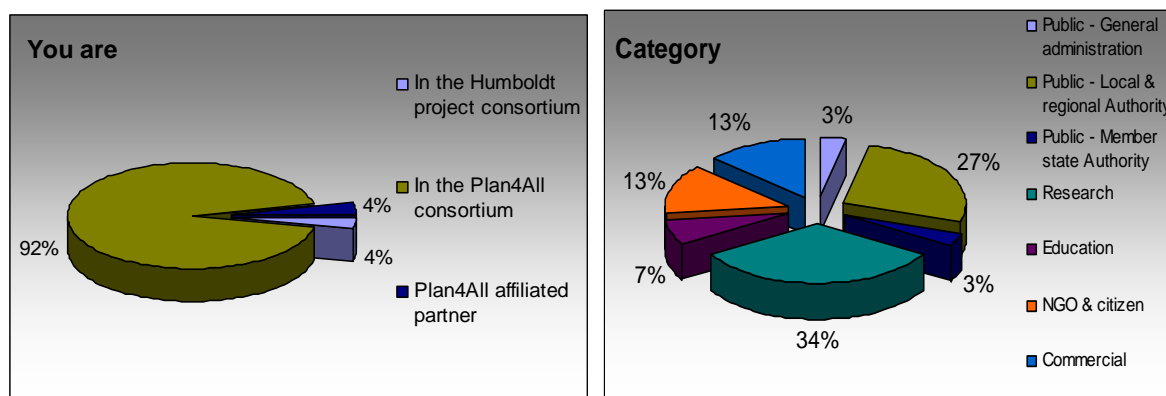


Figure 4. PLAN4ALL Workshop Participants answering the evaluation questionnaire

**Table 3: Results of the evaluation questionnaire**

General content aspects	1 Disagree	2	3	4	5 Agree	no answer	test n.
the presentation subject covers interesting and relevant topics	0	1	2	20	5	0	28
the speakers were well bealanced	0	1	2	14	9	2	28
lectures were interesting	0	0	5	15	8	0	28

please give your overall impression about the workshop	0	0	6	14	8	0	28
<b>Total</b>	0	2	15	63	30	2	
<b>(%)</b>	0	2	13	56	27	2	
<b>Presentations about the HUMBOLDT Workshop</b>	<b>1 Disagree</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5 Agree</b>	<b>no answer</b>	<b>test n.</b>
sufficient time was allocated to the presentations	0	0	8	13	7	0	28
the content and the technical details of the presentation match with your expectation	0	2	13	11	2	0	28
<b>Total</b>	0	2	21	24	9	0	
<b>Discussion (if done)</b>	<b>1 Disagree</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5 Agree</b>	<b>no answer</b>	<b>test n.</b>
the discussion session was useful to sum up the contributions and compare the points of view	0	1	9	5	1	12	28
sufficient time was allocated to the discussion	0	3	6	2	5	12	28
the moderator conducted the discussion sessions in a satisfactory manner and you could easily participate	0	3	4	3	4	14	28
<b>Total</b>	0	7	19	10	10	38	
<b>(%)</b>	0	8,3	22,6	11,9	11,9	45,2	
<b>Impression</b>	<b>1 Disagree</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5 Agree</b>	<b>no answer</b>	<b>test n.</b>
Humboldt products and results can be helpful for your activities and/or researches	1	1	7	10	9	0	28
Humboldt overall	0	1	10	7	10	0	28
<b>Total</b>	1	2	17	17	19	0	
<b>(%)</b>	1,8	3,6	30,4	30,4	33,9	0	

## **2.4 EFAEP General Assembly**

*EFAEP General Assembly, Brussels, Belgium, 25 October 2010*

Workshop on the HUMBOLDT project

Organized by Sapienza Università di Roma – LABSITA (UISoR)

### **2.4.1 Workshop rationale and outlines**

The HUMBOLDT workshop has been organised during the EFAEP General Assembly (<http://www.efaep.org/documents/topic/97/>), held in Brussels on 25<sup>th</sup> of October 2010. EFAEP is the European Federation of Associations of Environmental Professionals, whose aim is to provide a knowledge base and an information interchange tool between Environmental Professionals, Public Institutions and Private Organizations searching for personnel.

The workshop has been organised to spread the results of HUMBOLDT project towards a specific interest community, in this case the community of environmental professionals, that usually work with environmental and spatial data. The workshop indeed has been targeted to match professional interest and touch all the topics that may arouse within this specialistic group of stakeholders.

The workshop gave in the beginning an overview of HUMBOLDT project and the European context: the presentation started with a general description of goals and objectives of the project, of project consortium, and of two important European initiatives, such INSPIRE Directive and GMES programme, which have strong relation with the project. Within the framework of INSPIRE situation an important focus has been made on the crucial aspect of harmonization to fulfil the mandate of the Member States regarding the INSPIRE Annexes.

After the HUMBOLDT components and framework has been presented, the scenarios have been described, with a particular focus on those interesting from an environmental point of view: ocean, forest, ERiskA, protected areas and transboundary catchments. All the scenario have been used for demonstrating how and why to operate through HUMBOLDT framework.

At the end of the presentation, the educations and training of HUMBOLDT framework users has been introduced to the audience, with the training components, modules and package present on the training platform, that have been presented together with the HUMBOLDT Community website, that offers educational tools developed for making possible the use of the HUMBOLDT framework and services.

### **2.4.2 Workshop results**

It has to be said that the attendees followed with great interest all the workshop, mostly because for the novelty of the topics and the relevant issues faced. They found very interesting all the initial part on INSPIRE and on the problems related to harmonization issues; they were also interested in the training and educational tools developed by the project.

## **2.5 GS Soil Technical Meeting**

*GS Soil WP 5 Technical Meeting, Brussels, Belgium, 27 October 2010*

Workshop on the HUMBOLDT project

Organized by FHG-IGD

Our partner project GS Soil aims at establishing a European network to improve the access to spatial soil data for public sector bodies, private companies and citizens. The project considers aspects of data organization, data harmonization as well as semantic and technical interoperability in order to

produce seamless geospatial information and to improve the data access for a wide community of different user groups. HUMBOLDT and GS Soil collaborated especially by exchanging knowledge, specifically on harmonisation and transformation issues in the context of INSPIRE. In order to instigate the use of certain Humboldt tools for data harmonisation within GS Soil this HUMBOLDT workshop at the GS Soil Technical Meeting was focussed on informing about HUMBOLDT tools and services.

20 participants of technical partners of GS Soil were attending. The presentation was well received by the audience. A follow-up event up could be a tutorial session/workshop on the tools (HALE, Workflow Editor) providing hands-on experience.

## **2.6 Integrated Urban Monitoring Europe (IUME)**

*Integrated Urban Monitoring Europe (IUME), Brussels, Belgium, 9 November 2010*

The HUMBOLDT project on cross-thematic harmonisation

Organized by UWE

The purpose of this outreach activity was to disseminate the ongoing research under the framework of IUME and the promotion of HUMBOLDT framework tools for harmonization and integration aspects. The presentation was followed by 25 participants. Especially well received by the audience were experiences of applying HUMBOLDT tools in various application domains as depicted in the HUMBOLDT scenarios. The extension and integration of the Integrated Urban Monitoring concept from Europe to a local level were conceived as open issue in this context by participants. The focus of a follow-up event should be set on the horizontal as well as vertical integration of spatial information and how HUMBOLDT results can support this.

## **2.7 ASITA 2010 Conference**

*Conferenza Nazionale ASITA, Brescia, Italy, 9 - 11 November 2010*

Workshop del progetto HUMBOLDT: l'armonizzazione operativa dei dati territoriali (Operative harmonisation of territorial data) and paper presentation: Get Inspired! Un toolkit di armonizzazione per i servizi di conversione

Organized by GISIG and Sapienza Università di Roma – LABSITA (UISoR)

Other HUMBOLDT Partners involved: CNR-IREA

### **2.7.1 Workshop rationale and outlines**

Two HUMBOLDT presentations were held during the 14<sup>th</sup> ASITA National Conference in Brescia, Italy, from 9<sup>th</sup> to 11<sup>th</sup> of November 2010. The National Conference gathers all the Scientific Association that works with spatial information, and is the most important event in Italy for all those who works in the geographic Information field (<http://www.asita.it/cms/>).

The ASITA workshop was an opportunity to introduce the HUMBOLDT methodological aspects and present the operational tools developed to SDI Stakeholders, Italian Regions and more generally Italian users dealing with geodata harmonization. Special relevance was given to the use of the online platform for training. The main focus was on the technical aspects and the showcase of a HUMBOLDT scenario through the training material.

The workshop was accompanied by an exhibition of a poster and a general explanation of the project in the posters session. Data harmonization is undoubtedly an important issue in the GI Italian community so the event aroused a considerable interest among the audience.

In addition the paper "Get Inspired! Un toolkit di armonizzazione per i servizi di conversione" was

presented in the session *Italian SDI and participation to European projects*. The presentation was focused on HUMBOLDT tools and services developed by the project.

## 2.7.2 Results from the Evaluation questionnaire

**Number of participants: 14**      **Number of return questionnaires: 11**

All of the participants were external to the HUMBOLDT consortium.

Almost all participants were linked to the field of education or public administration.

Coverage of interesting and relevant topics: 4.8 in a scale of 5

Balancing of the speakers: 4.5 in a scale of 5

Interest on the lectures: 4.5 in a scale of 5

Overall impression of the workshop: 20% thinks was good. 80% thinks was very good

Sufficient time allocated to the presentations: 4.2 in a scale of 5

Content and technical details matching with the audience expectations: 4.2 in a scale of 5

The HUMBOLDT products and results are helpful for the activities of the audience: 20% thinks is neutral, 20% thinks is helpful and 60% thinks is very helpful

Overall impression on the HUMBOLDT project: 18% of the audience have a neutral opinion, 45% thinks is a good project and 36% thinks is a very good project.

## 2.8 INSPIRE Implementation for LMO's

**Own events: *INSPIRE Course, Delft, The Netherlands, November 2010***

INSPIRE Implementation for LMO's: Harmonisation and HUMBOLDT Tools

Organized by TU Delft

### 2.8.1 Workshop rationale and outlines

In November a 3-day course 'INSPIRE Implementation for (Dutch) LMO's' was given by the TU Delft. The course was specifically aimed at Rijkswaterstaat, a core agency of the Dutch Ministry of Infrastructure and Environment. Part of the course was a 'hands-on' introduction to the HUMBOLDT Alignment Editor (HALE). For this the training material prepared in WP12 was used: a step-by-step example of 'schema mapping' between existing administrative data (source model) and the INSPIRE Administrative Units data model (target model). By using the Alignment Editor the attendants got a first impression of the complexity of schema mapping as part of the data harmonisation work that has to be done for implementing INSPIRE in the member states. The use of HALE by experts from outside HUMBOLDT was also a good way to obtain feedback: what kind of extra functionality would be beneficial according to these users, and which part of the user interface requires additional explanation, in the course material or in the manual. We also introduced the participants to the HUMBOLDT training platform, and they said they would register and follow the different levels.

### 2.8.2 Workshop results

The workshops were in general well received by participants. Especially, the fact that carrying out the harmonisation process is more difficult than they thought was valued very high by them. Seems weird to say, but they thought it would be "easy". During the hands-on exercises they realised how much work it will be, and they were glad to have learned that. During the workshops participants could provide all their knowledge of the datasets that they have. Since they also had several Web Services running, they contributed a lot to the discussion. A follow up workshop should focus on more in-depth

topics in data harmonisation, with different kinds of data for instance (raster in particular, so the material developed for the Ocean scenario would be handy).

## **2.9 GIS Ostrava 2011**

*GIS Ostrava 2011, Ostrava, Czech Republic, 26 January 2011*

Harmonization and Integration Tools supporting INSPIRE implementation

Organized by VSB-Technical University of Ostrava and Help Service Remote Sensing (HSRS)

Other HUMBOLDT Partners involved: GISIG, Forest Management Institute (FMI), Delft University of Technology (TUD)

### **2.9.1 Workshop rationale and outline**

The HUMBOLDT workshop „Harmonization and Integration Tools supporting INSPIRE implementation“ took place on 26th January 2011 in Ostrava, Czech Republic, hosted by VSB-Technical University of Ostrava. The workshop was included to the frame of a symposium „GIS Ostrava 2011“ (<http://gis.vsb.cz/gisostrava/inspire/index.php>). The programme was organised by the HSRS and VSB-Technical University of Ostrava.

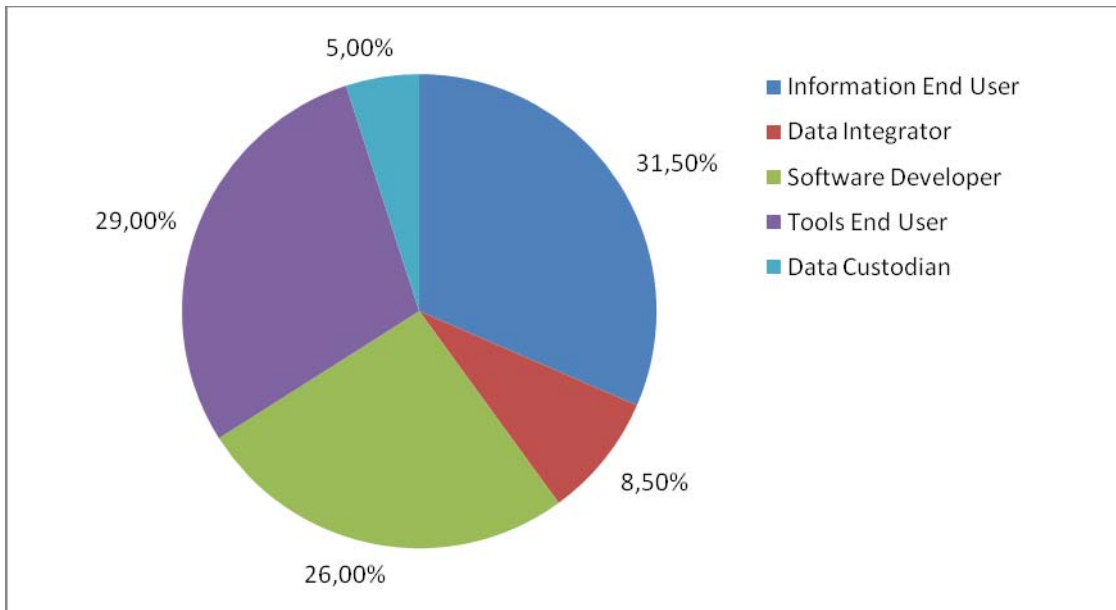
The workshop was focused on presentations of different issues of data harmonisation and a detail introduction of selected tools intended for modification of spatial data and its model to be compliant with requirements of the INSPIRE directive. Introduced tools were mostly developed within the scope of HUMBOLDT project. The open-source license (or similar license) is the other common characteristic of the majority of introduced products, but the workshop was not focused only on non-commercial solutions. The practical part of the workshop included computer exercises with selected tools (especially HUMBOLDT Alignment Editor and Conceptual Schema Translation Service) using real data from the transboundary catchment scenario.

The workshop demonstrated the selected results of the HUMBOLDT project and attracts end users to test and utilize demonstrated tools. The targeted participants for this workshop were stakeholders and more generally users dealing with data harmonization. In particular the workshop was focused on tools end users and persons who are involved in the INSPIRE initiatives. Also selected software developers were included to support a possible extension of the developer's community and support the next development of the software.

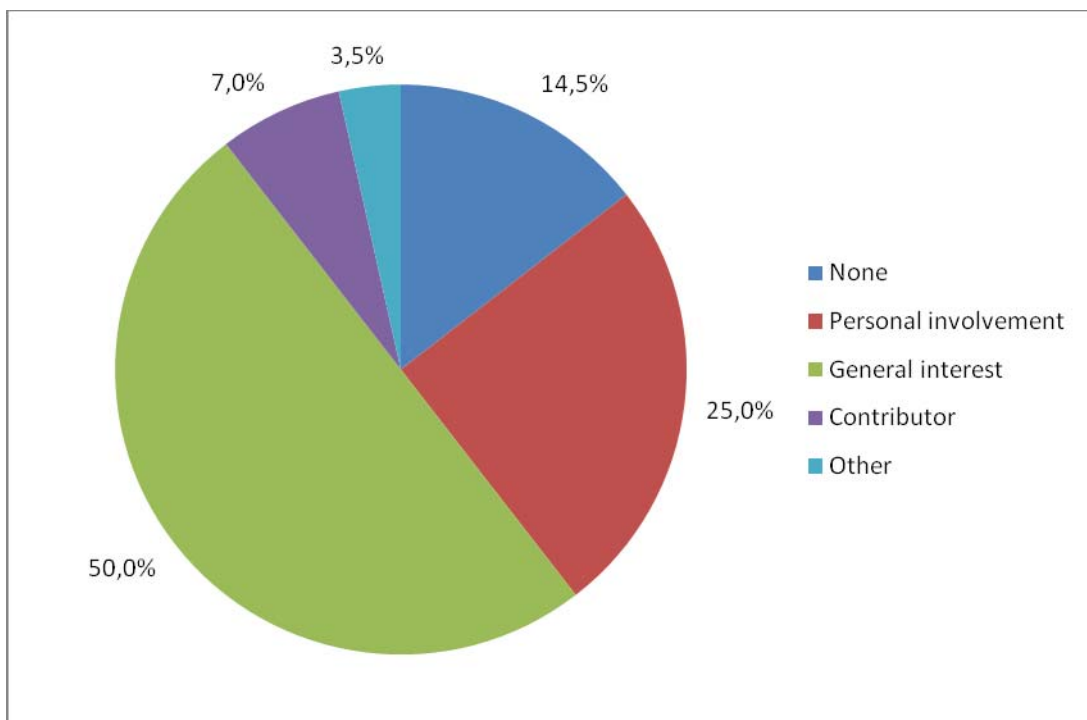
### **2.9.2 Results from the Evaluation questionnaire**

**Number of participants: 36      Number of return questionnaires: 25**

**1. Which of the following categories fit best to your role(s) related to geographic information (systems)?**



**2. What kind of relation did you have to the HUMBOLDT project before coming to this event/workshop?**



**3. What kind of expectations did you have towards the workshop/event?**

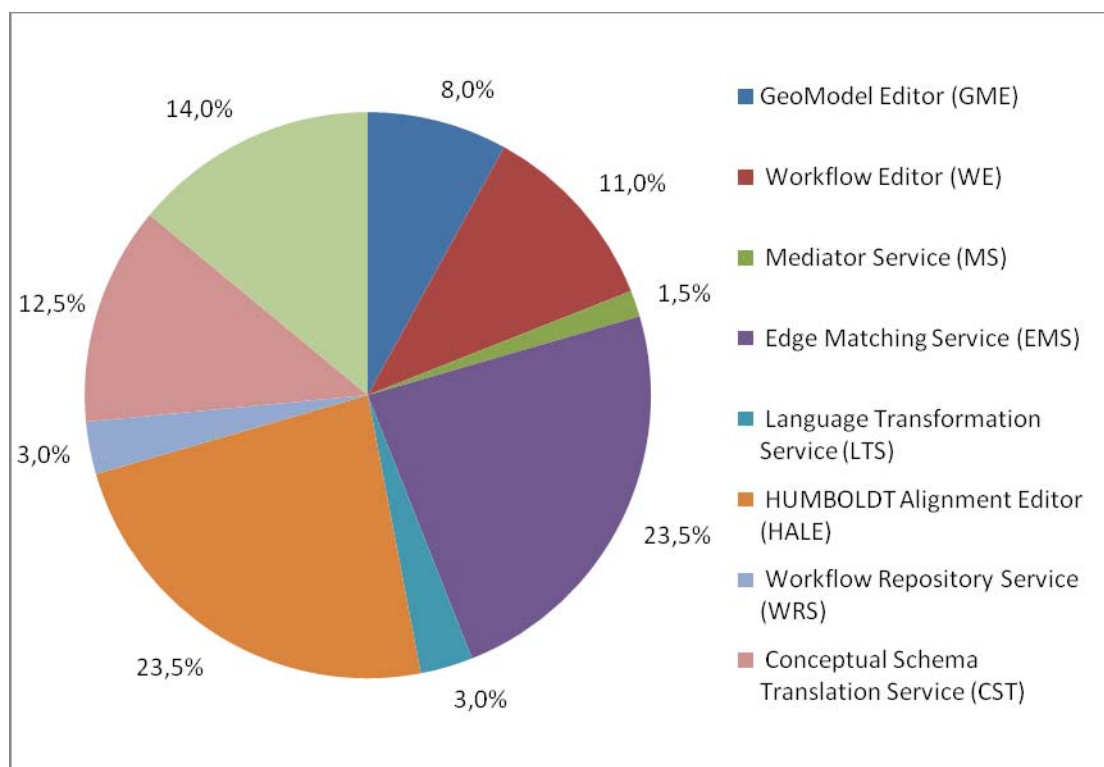
- introducing of Humboldt results to the Czech and Slovak GIT community
- general information about project
- harmonization approach and experience

- I would like to get more information about specific harmonization tools
- to learn how to process spatial data harmonization using Humboldt tools
- dissemination/training of the project results
- technical solutions of Humboldt project
- new knowledge about INSPIRE harmonization
- to attend the exercises, to see other contributions out of the Humboldt project
- to understand the functionality of Humboldt tools
- practical demonstrations and exercises addressing different issues of harmonization

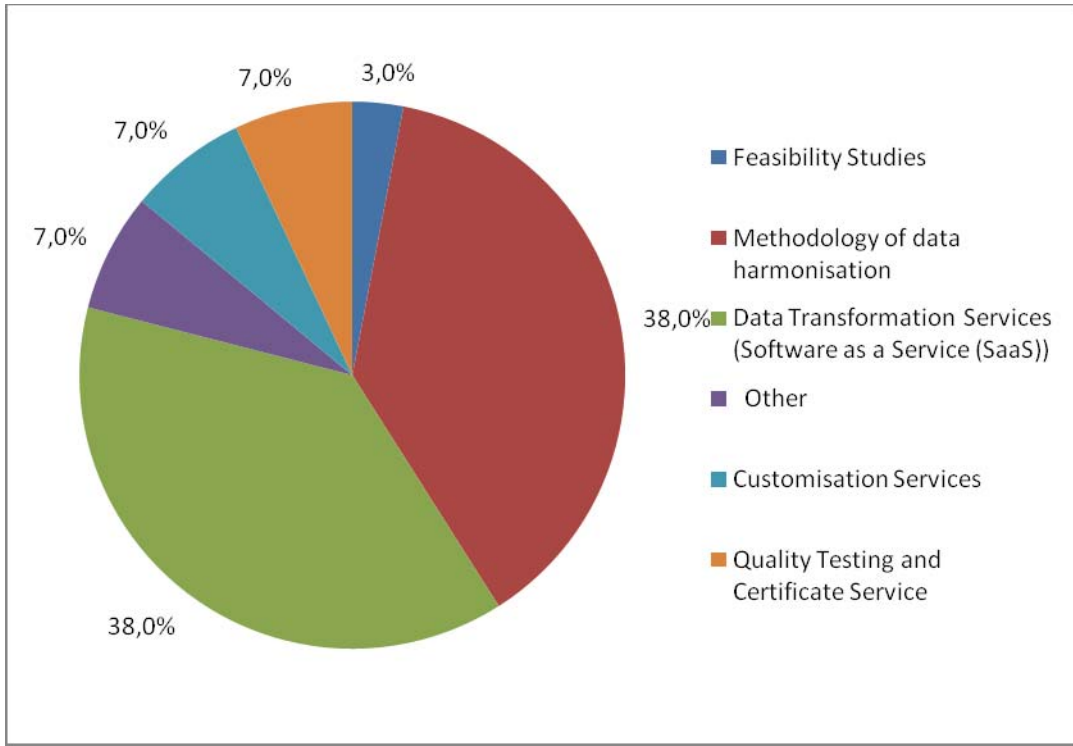
**4. Was the workshop/event successful from your perspective?**

25x YES

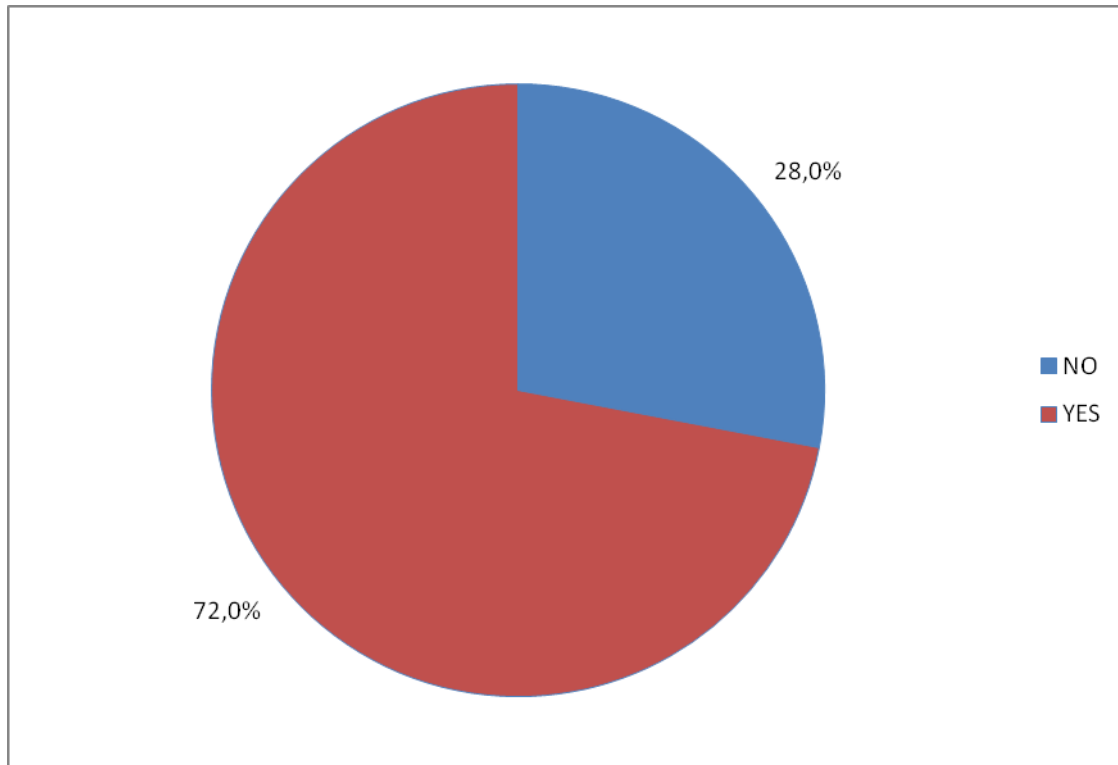
**5. In which HUMBOLDT Tools and Services are you interested?**



**6. Would you be interested in the following HUMBOLDT Consulting Services?**



**7. Would you like to receive more information on the HUMBOLDT Framework / Scenarios / Training?**



## 8. Other comments

This half-day program was very useful to see the whole mosaic of the project activities and their results. To understand their usage for my own work.

## 2.10 Associazione Villa Vigoni - German-Italian Centre

*Associazione Villa Vigoni - German-Italian Centre, Como, Italy, 21 February 2011*

How to learn from harmonisation tools for environmental and energy sustainability

Organized by Sapienza Università di Roma – LABSITA (UISoR)

<http://www.villavigoni.it/index.php?id=67&L=2>

### 2.10.1 Workshop rationale and outlines

The HUMBOLDT Workshop was held in the premises of Villa Vigoni a special location established by the collaboration between Germany and Italy finalised to discuss about the permanent characteristics of sustainable urban and architectural planning. In the context of **Meetings in the field of Humanities and Social Sciences** the workshop was hosted in the session **The Permanent Characteristics of Sustainable Urban and Architectural Planning**.

The audience of the Workshop has been a very targeted group of experts in the field of energy and sustainable architecture. They were from Sapienza University of Rome Department of Architecture and the Technical University of Darmstadt Department of Architecture.

Prof Mauro Salvemini gave the presentation and chaired the debate which is followed after the presentations.

It is worth to note some of the points on which the attention, the comments and the questions from the audience has been posed:

- Harmonisation theoretical basis and practice has been particularly appreciated as was seen to be conceptually and practically transferred to the sector of building design and realization ;
- The architecture of the project was specifically attracting the attention specifically how the scenarios have been able to demonstrate and the scientific and technical part . The training framework has been also deeply discussed according to the fact that the majority of the participants are from the academic area.
- Among the scenarios the planning one has been deeply discussed according to the fact that building realization needs planning rules.

### 2.10.2 Workshop results

Participants followed with interest the HUMBOLDT workshop, mostly because for the novelty of the issues and the topics faced. The questions and answers session and the filled in questionnaires showed the interest of participants on the problems related to harmonisation issues. They were also interested because they consider convenient to apply HUMBOLDT results to the urban and architectural sustainability field.

## 2.11 Center of Italian Region for Geographic Information (CISIS)

*Own event for the Center of Italian Region for Geographic Information, Rome, Italy, 23 February 2011*

HUMBOLDT CISIS Workshop: L'armonizzazione dei dati territoriali: i risultati del progetto EU  
HUMBOLDT (Harmonisation of territorial data: Results of the HUMBOLDT project)

Organized by Sapienza Università di Roma – LABSITA (UISoR)

### **2.11.1 Workshop rationale and outlines**

The HUMBOLDT presentation has been held during the CISIS meeting of February 23<sup>rd</sup> 2011 in Rome, Italy. This workshop was held for informing and awareness raising of Italian responsables of Regions about the findings and general and specific achievements by HUMBOLDT and to disseminate project results to the communities of interest. CISIS (Center of Italian Regions for GI) members and professionals attended the workshop.

The presentation, in Italian language, was focused on harmonisation issues and consequently on HUMBOLDT tools and services developed during the project. A HUMBOLDT framework application case was provided. At first we provided an overview of the project, its main goals and harmonisation issues. Then, the HUMBOLDT harmonisation framework was presented with its services and tools to solve the harmonisation issues. Finally the HUMBOLDT Scenarios and a real application case of a processing service available on the HUMBOLDT Community Website were briefly presented.

### **2.11.2 Workshop results**

Participants were about 15; they followed with interest the presentation of the project and they provided names of others National and European projects, such as INTERREG projects, to compare with HUMBOLDT. The question and answer session was also rich of technical aspects questions about Humboldt harmonisation framework tools and services and the speaker had the possibility to contact HUMBOLDT technical developers.

## **2.12 BRISEIDE Project Meeting: “Harmonisation tools”**

*BRISEIDE Project Meeting, Lisboa, Portugal, 23 February 2010*

Workshop on the HUMBOLDT project for BRISEIDE: “Harmonisation tools”

Organized by Università di Roma – LABSITA (UISoR), GISIG

<http://www.briseide.eu/joomla/events/project-meetinglisbon-22-23-february-2011.html>

### **2.12.1 Workshop rationale and outlines**

The HUMBOLDT presentation was held during the BRISEIDE project meeting of February 23<sup>rd</sup> 2011 in Lisbon, Portugal. The workshop has been considered useful and interesting for the BRISEIDE project activities.

In the presentations the HUMBOLDT project, its main goals and its relation with European initiatives, such as INSPIRE and GMES was presented. A detailed overview on the HUMBOLDT harmonisation framework was given - especially on services and tools developed by the project to solve the harmonisation issues. In addition a general presentation of all scenarios was given. The EriSka scenario was shown in detail. Finally, the training framework of HUMBOLDT with its training components, modules and package were presented on the training platform.

### **2.12.2 Workshop results**

This workshop was aimed at spreading the project conclusions obtained, its tools and services that may be helpful for community of interest, such as BRISEIDE project partners. BRISEIDE is an EU project that aims to develop spatial analysis and to integrate them within existing open-source frameworks. The workshop was especially useful to demonstrate the project results and benefits, find a synergy between the two projects and the potentiality of the use of the HALE and the HUMBOLDT Workflow Design and Construction Service in the BRISEIDE project. Dissemination and training on the

use of the HUMBOLDT Framework tools was also in focus.

## **2.13 Upgrade Black Sea SCENE Training Workshop**

*Upgrade Black Sea SCENE Training Workshop, Oostende, Belgium, 1 - 4 March 2011*

Humboldt Workshop “Best practice in harmonisation of geographical data” (organised for marine data managers from the Black Sea countries)

Organized by MARIS

Other HUMBOLDT Partners involved: TU Delft (Marianne de Vries)

[http://www.iode.org/index.php?option=com\\_oe&task=viewEventRecord&eventID=809](http://www.iode.org/index.php?option=com_oe&task=viewEventRecord&eventID=809)

### **2.13.1 Workshop rationale and outlines**

The main aim of the workshop was to support and encourage stakeholders who aim to/are supporting HUMBOLDT by using and/or contributing to the tools and services. The workshop was connected to day data management training workshop at IOC-IODE in Oostende for the project Upgrade BlackSeaScene ([www.blackseascene.net](http://www.blackseascene.net)). Altogether 58 data managers and developers were present. The main outcome of the workshop was an important dissemination towards this specific user group on INSPIRE, the HUMBOLDT project and Framework software, as well as awareness of the potential benefits for the data managers working in the marine and ocean domain.

The programme included an introduction to harmonisation of geographical data, and the necessary processes. It provided an overview on the HUMBOLDT project, its results and especially the HUMBOLDT Framework toolkit. Since the Training Workshop was specifically targeted at people from the marine and ocean domain the HUMBOLDT training modules were presented by the specific pages of the Ocean Scenario. The last part of the one-day workshop was dedicated to a hands-on training session: Short practical training in the HUMBOLDT Alignment Editor (HALE) tool,

### **2.13.2 Workshop results**

Especially the training modules and the extensive information in them were received well by the audience. Due to the responses (and questions raised) we can see that it is necessary to really start at the basics in training and software development. A possible follow-up activity should focus on what benefits the software would have when really working with Oceanographic/Marine data.

## **2.14 Italian Institution for Environmental Research and Protection (ISPRA)**

*Italian Institution for Environmental Research and Protection (ISPRA), Rome, Italy, 29 March 2011*

HUMBOLDT Workshop: “Introduzione e risultati del progetto EU HUMBOLDT” (Introduction to the HUMBOLDT project and its results)

Organized by Università di Roma – LABSITA (UISoR)

### **2.14.1 Workshop rationale and outlines**

The HUMBOLDT presentation was held during the Workshop organised by ULSoR for ISPRA on March 29<sup>th</sup> 2011 in Rome, Italy. ISPRA is the Italian Institution for Environmental Research and Protection.

In the beginning, an overview of the project its relations to other European initiatives, such as INSPIRE and GMES was given. In addition, it was shown how the project faces harmonisation and

other relevant issues. The second part of the workshop was focused on the HUMBOLDT Harmonisation Framework and showed tools and services developed during the project to solve harmonisation issues; a brief presentation on scenarios was held to explain how the harmonisation framework was tested. Finally the education and training of HUMBOLDT framework users was introduced to the audience, with the training components, modules and package present on the training platform, that have been presented together with the HUMBOLDT Community website, that offers educational tools developed for making possible the use of the HUMBOLDT framework and services.

### **2.14.2 Workshop results**

13 participants were following with interest the presentations. They showed great interest to HUMBOLDT topics. The questions and answers session was focused on semantic and language issues, that are a relevant aspect for data harmonisation. Speaking of which, attendees introduced one activity of European Topic Centre on Land Use and Spatial Information about the land monitoring in Europe which deal with development of a data model of a proposal for data model for a new European land monitoring programme. During the event a participant asked for information to interact with the project and their personal details will be inserted in CRM system by ULSoR.

## **2.15 EUROGI Meeting**

*EUROGI Meeting, Leuven, Belgium, 24 March 2011*

HUMBOLDT presentation for EUROGI

Responsible HUMBOLDT Partner: ULSoR

The Humboldt presentation for EUROGI members ([www.eurogi.org](http://www.eurogi.org)) has been held by prof. Mauro Salvemini during the EUROGI meeting of 24th March in Leuven named Member Meeting. EUROGI is the European umbrella organisation that represents the Information community.

The project as a whole and his specific achievements have been presented by the material realised ad hoc by Mauro Salvemini and Laura Berardi. The presentation gave an overview of the project showing the relations among HUMBOLDT project and European INSPIRE and GMES initiatives, main earned goals and objectives and the subjects involved in the project. Afterwards, it has been presented harmonisation issues taken in consideration during the project and the method employed to solve these issues, that is HUMBOLDT harmonisation framework and its tools and services.

The presentation was also highlighting how to deal with possible future developments concerning HUMBOLDT. A follow-up activity should focus on the deepening of feasibility studies, the methodology of data harmonisation as well as quality testing and certificate service.

## **2.16 AGISEE Conference**

*AGISEE Conference "Methods and Tools for the implementation of the European Directive INSPIRE" Sofia, Bulgaria, 16 March 2011*

HUMBOLDT conference

Organised by ULSoR, GISIG

Other HUMBOLDT partners involved: HiG

<http://www.agisee.org/agiseeconf.php>

The HUMBOLDT Conference was addressed to demonstrate the feasibility and advantages of Spatial Data Infrastructures based on software tools and processes for Data Harmonisation. The Open

Source Tools and Services developed in HUMBOLDT were presented in the application context of selected scenarios. In addition to these showcase presentations, the participants had the opportunity to get acquainted with the training courses available on the HUMBOLDT training platform.

The main goal was to demonstrate the project results in terms of feasibility and benefits of a spatial data infrastructure built on the basis of software tools and processes for harmonization of data. Dissemination and training on the use of the HUMBOLDT Framework tools.

## **2.17 HUMBOLDT Workshop for Chilean SDI stakeholders**

*HUMBOLDT Workshop for Chilean SDI stakeholders, Rome, Italy, 4 and 7 March 2011*

Responsible HUMBOLDT Partner: ULSoR

### **2.17.1 Workshop rationale and outlines**

The HUMBOLDT project presentation has been held during two working-days organised by LABSITA of Sapienza University of Rome, March 4th and 7th 2011, Rome, Italy. The Ministry of State Property of Chile, the Head of the Minister Cabinet, the SNIT (Chile SDI) Executive Secretary and Prof. Tyen-Yin Chou of the Feng Chia University Head of GIS laboratory were present during these working-days.

The meeting has been finalised to discuss some of the most relevant outcomes of SDI developments in comparison with the achievements already present in Chile and the experiences in Taiwan conducted by the Government for managing emergencies and disasters.

The first day was presented an overview of European framework about the evolution of Geographic Information and the SDI. The second day has been mainly dedicated to discuss about the technical aspects of interoperability and data modelling together with policy aspects of harmonisation. Finally the Prof. Tyen-Yin Chou gave a presentation about geospatial technology to manage hazard incidents through Sensor Web Enablement (SWE).

During the second day one of the main focus was set on the results of the HUMBOLDT project. The presentation provided:

- An overview of the project, its main goals and the harmonisation issues;
- HUMBOLDT Harmonisation Framework and to services and tools developed by the project to solve the harmonisation issues;
- HUMBOLDT Training framework, with the training components, modules and package present on the training platform.

### **2.17.2 Workshop results**

The Chilean delegation and the Minister followed the presentation of the project with great interest. The question and answer session was also rich of technical aspects questions about HUMBOLDT harmonisation framework tools and services. The HUMBOLDT approach for solving harmonisation issues was especially well received by the audience.

## **2.18 HUMBOLDT Workshop “HUMBOLDT Project - an effort in Data Harmonization”**

*Own event: HUMBOLDT Workshop “HUMBOLDT Project - an effort in Data Harmonization”, Anavyssos, Greece, 28 March 2011*

Organised by HCMR

Other HUMBOLDT partners involved: ETHZ

<http://www.hcmr.gr/listview3.php?id=1492>; <http://www.hcmr.gr/listview3.php?id=1493>

### 2.18.1 Workshop rationale and outlines

This one-day event followed the purpose to disseminate the HUMBOLDT project and its results to Greek governmental and administration authorities as well as to members of the Greek Academic community and Private sector.

The main goal of the HUMBOLDT Workshop was to present to stakeholders and decision makers the critical role of data harmonization in Data Management dealing with geospatial data. In addition, HUMBOLDT components were presented as valuable harmonization tools regarding the ecological protection of Greek seas.

The workshop opened by the vice president of HCMR Dr. A. Diapoulis with a “welcome” introduction regarding the goals, objectives and final outcomes of HUMBOLDT project.

The first presentation was made by A. Lykiardopoulos with the title “*Data Harmonization Put into Practice by the HUMBOLDT Project*” with the scope of making an general overview of HUMBOLDT.

The thematic layout of the presentation was:

- An Overview of the HUMBOLDT project
- The HUMBOLDT Framework for data harmonisation
- The HUMBOLDT products (briefly)
- INSPIRE and HUMBOLDT
- The Application of HUMBOLDT Framework in scenarios
- The Training platform
- The HUMBOLDT results for the community

The second presentation was made by Dr. C. GIGER with the target to present the “*Principles of Data Modeling and Harmonization in Connection with ISO/TC211 and INSPIRE requirements*”.

The layout of the presentation may be described as follows:

- The HUMBOLDT activities in relation to INSPIRE processes
- The HUMBOLDT components in INSPIRE
- Knowledge and Experiences gathered in HUMBOLDT
- Technical processing of data
- Functionalities for covering the geodata harmonization process as a whole
- HUMBOLDT Components Development
- Metadata, HUMBOLDT and INSPIRE

The following presentation was made by Dr. K Nedas member of the board of directors in Cadastre and Cartographical Organization of Greece with the title “*Inspire Directive, implementation in Greece*”.

The general overview of this presentation is following:

- The status of Geospatial Datasets and infrastructure in Greece before INSPIRE
- The National Service of Geospatial Information (NSGI)
- The basic principles and the administrative infrastructure of NSGI
- NSGI and INSPIRE appliance
- The perspectives and the potentialities of HUMBOLDT tools for applying INSPIRE in Greece
- Interoperability in Metadata and services as an outcome of INSPIRE

- Availability policy of INSPIRE Harmonized datasets in Greece
- Categories of Geospatial datasets
- Administrative Workflow for obtaining Greek Geospatial Datasets
- The current status of Applying INSPIRE Directive in Greece

The next presentation was made again from Dr. C.Giger with the scope to present and describe the tools and Components of HUMBOLDT

The layout of the presentation is the following:

- A general description of the Scenarios
- A overview of HUMBOLDT Framework and it's workflows
- In depth but not technical presentation of each tool (Geomodel Editor, HALE, CST etc)
- Presentation of HUMBOLDT Developer community

The final presentation was made by V. Lakes with the scope of describing the ocean Scenario in general and how the Scenario demonstrated in Greek sea territory.

The layout of the presentation is as follows:

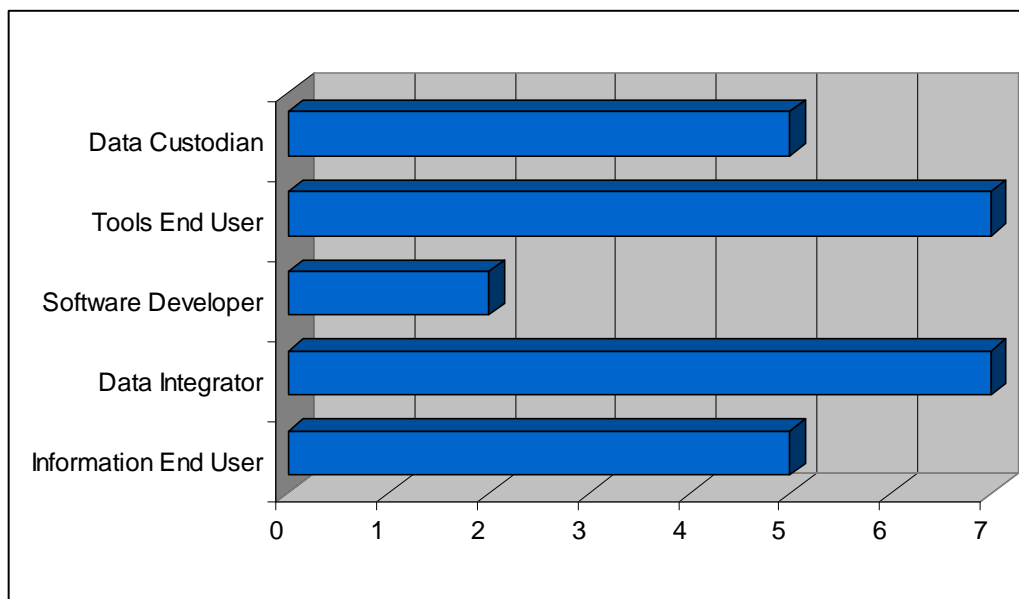
- Introduction and description of Ocean scenario and the partners of HUMBOLDT project involved
- Ocean Scenario developments:
  - ✓ Harmonization work in Ocean domain.
  - ✓ Specifications of Humboldt Scenario
  - ✓ Common Data Model in Ocean Scenario
  - ✓ Harmonization requirements/ Identified datasets
  - ✓ Humboldt Framework components
- The final demonstrator for the whole scenario
- The Greek sub use case
- The story of the use case
- The Datasets used
- The harmonization issues
- The HUMBOLDT tools in the use case
- The local Demonstrator of the use case

At the end of the workshop all the participants agreed with the usability of HUMBOLDT Framework components and the capability of using the tools and the services of HUMBOLDT for their needs.

## **2.18.2 Results from the Evaluation questionnaire**

**Number of participants: 13      Number of return questionnaires: 13**

**1. Which of the following categories fit best to your role(s) related to geographic information (systems)? (Multiple answers possible)**



**2. What kind of relation did you have to the HUMBOLDT project before coming to this event/workshop?**

The majority of participants (7 out of 13) indicated a general interest in the project and the subjects covered by it. Five mentioned that they had no previous relation to the project.

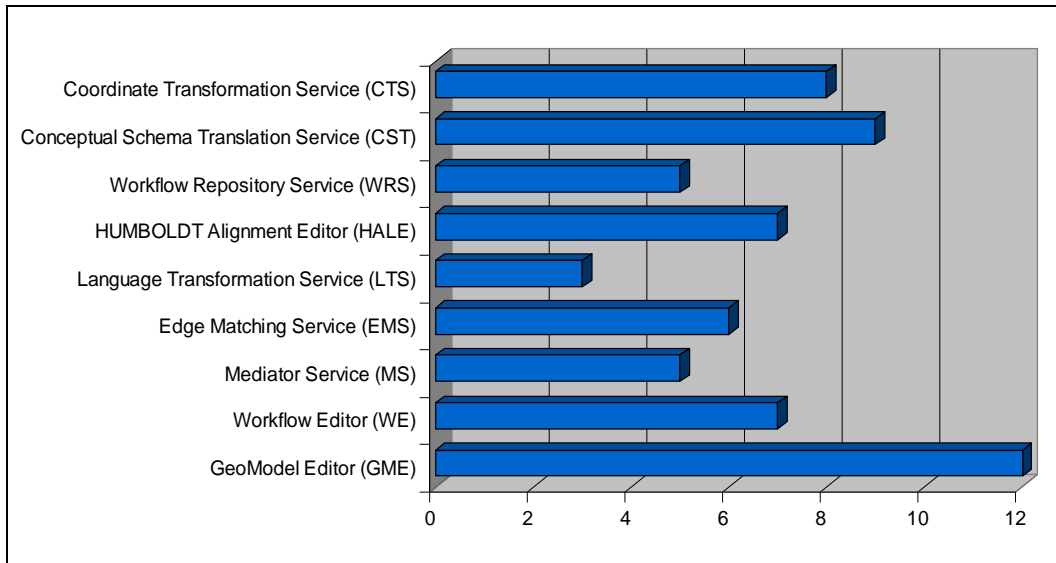
**3. What kind of expectations did you have towards the workshop/event?**

- Expectations regarding information about data compilation/integration/transformation methods and tools
- Acquire information on the HUMBOLDT tools and services
- Understanding of methodology
- My expectations were fully covered by the workshop
- Understanding of the scheme; Use of the software
- The same as those I got from the workshop
- General information about the project and the relation with INSPIRE Directive.
- General information; Available tools
- Data Harmonisation procedures and some information about OGC standards

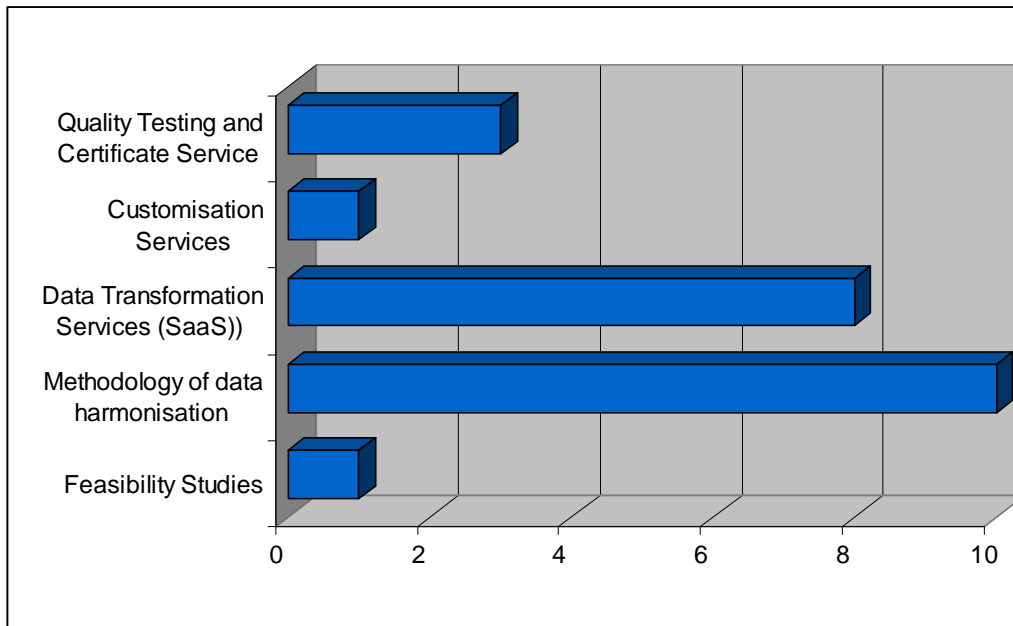
**4. Was the workshop/event successful from your perspective?**

12 x YES

**5. In which HUMBOLDT Tools and Services are you interested?**



**6. Would you be interested in the following HUMBOLDT Consulting Services?**



**7. Would you like to receive more information on the HUMBOLDT Framework / Scenarios / Training?**

12 x YES; 1 abstention from voting.

## 2.19 16. Münchner Fortbildungsseminar Geoinformationssysteme (German)

**Own event:** 16. Münchner Fortbildungsseminar Geoinformationssysteme, Munich, Germany, 21 - 24 March 2011

Organised by TU Munich

### 2.19.1 Workshop rationale and outlines

GIS experts from academia, industry and government gathered in Munich for two days of training courses and workshops followed by a [two-day conference](#) from 21-24 March, 2011.

Training courses and workshops were held on topics like geodatabases, CityGML, data harmonisation in INSPIRE context, WFS for INSPIRE application schemas, Web Processing Services, Microsoft Bing Maps, Location-based services for smart phones, GMES services and semantic model transformation.

Key conference topics included cloud computing, spatial data mining, GeoWeb 2.0, standards & INSPIRE, mobile services and systems, 3D city models & 3D simulations, energy systems, geo visualisation as well as environmental and risk assessment in urban areas. Courses and presentations were held in German.

HUMBOLDT was presented in the workshop "Semantische Modelltransformation" (semantic model transformation) on Tuesday, March 22. In addition, the training course "Datenharmonisierung im Kontext von INSPIRE" (data harmonisation in the INSPIRE context) on the same day made use of project results like the HUMBOLDT Alignment Editor (HALE) based on the experiences in the European Risk Atlas Scenario (ERiskA).

### 2.19.2 Results from the Evaluation questionnaire

**Number of participants: 15      Number of return questionnaires: 15**

#### Die Teilnehmer und deren Herkunft, Tätigkeiten und Bezug zu HUMBOLDT

Insgesamt nahmen 15 Personen an dem Kurs teil. Abbildung1 zeigt die Herkunfts - Verteilung der Teilnehmer:

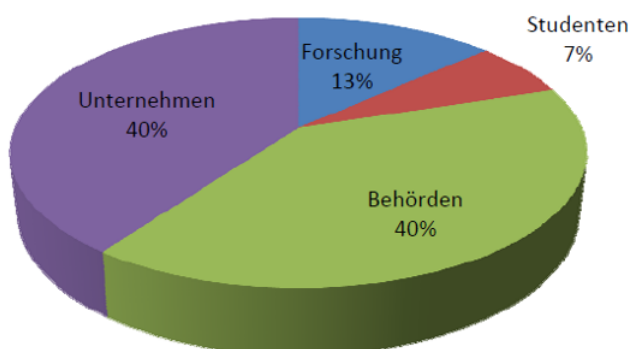


Abbildung1: Herkunft der Teilnehmer des Schulungskurses „Datenharmonisierung im Kontext von INSPIRE“ am 22.03.2011

Durch eine kurze Vorstellungsrunde wurde schnell klar, dass die Teilnehmer über einen unterschiedlichen Wissensstand über INSPIRE bzw. Datenharmonisierung verfügten. Es waren sowohl Teilnehmer vor Ort, die sich über die Grundlagen informieren wollten als auch regelrechte "Experten", die bereits beruflich im Prozess der Datenharmonisierung sind.

Für die meisten Teilnehmer war jedoch besonders das HUMBOLDT Software Framework und die daraus resultierenden Möglichkeiten im Bereich der Datenharmonisierung interessant.

Abbildung2 zeigt die Tätigkeiten der Teilnehmer in deren beruflichem Umfeld:

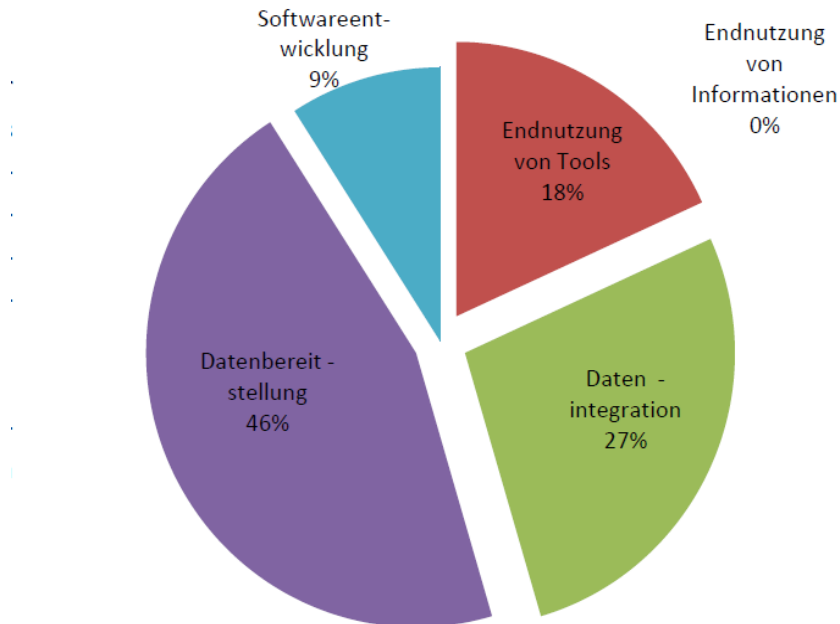


Abbildung2: Welche der folgenden Kategorien passt am besten zu Ihren Tätigkeiten in Bezug auf geographische Informationssysteme?

Abbildung3 zeigt die Frage nach dem Bezug der Teilnehmer zu HUMBOLDT vor diesem Kurs. Die Antworten „Allgemeines Interesse“ und „kein Bezug“ überwiegen deutlich und stehen, wie oben erwähnt, symbolisch für die Hauptgründe, diesen Kurs zu besuchen.

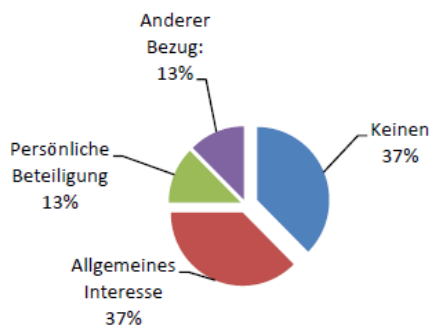


Abbildung3: Welchen Bezug hatten Sie zu dem Humboldt Projekt vor der Teilnahme an diesem Kurs?

### Erwartungen der Teilnehmer

Die Mehrheit der Teilnehmer wollte erfahren, welche Möglichkeiten das HUMBOLDT Software Framework für die Datenharmonisierung bietet. Besonders interessant für die Teilnehmer ist, dass die HUMBOLDT Software Produkte open - source sind und eine Alternative zu kommerziellen Produkten darstellen könnten. So kam ein Teilnehmer der Norwegian Mapping Authority extra aus diesem Grund und nur für diesen Kurs nach München.

Konkrete Erwartungen der Teilnehmer waren beispielsweise Informationen zur Entwicklung eines INSPIRE - konformen Datenmodells, praktische Anwendungen zu INSPIRE oder Hinweise in Bezug

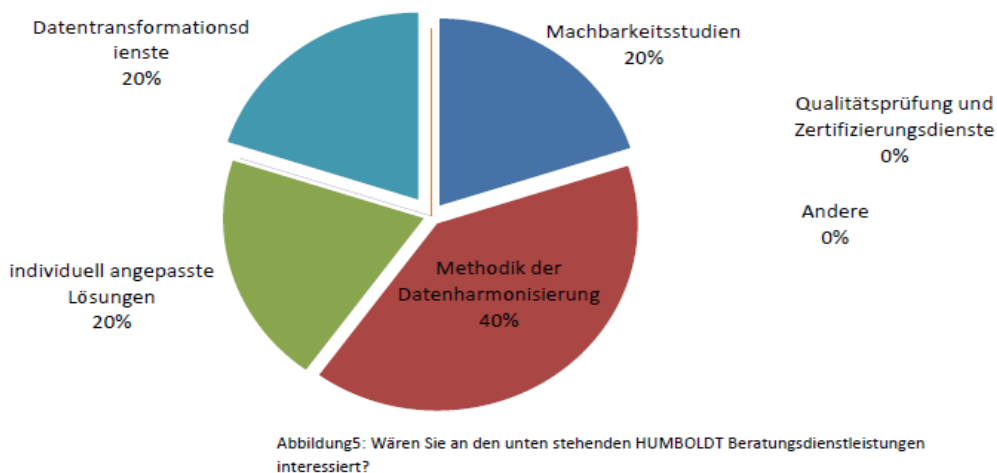
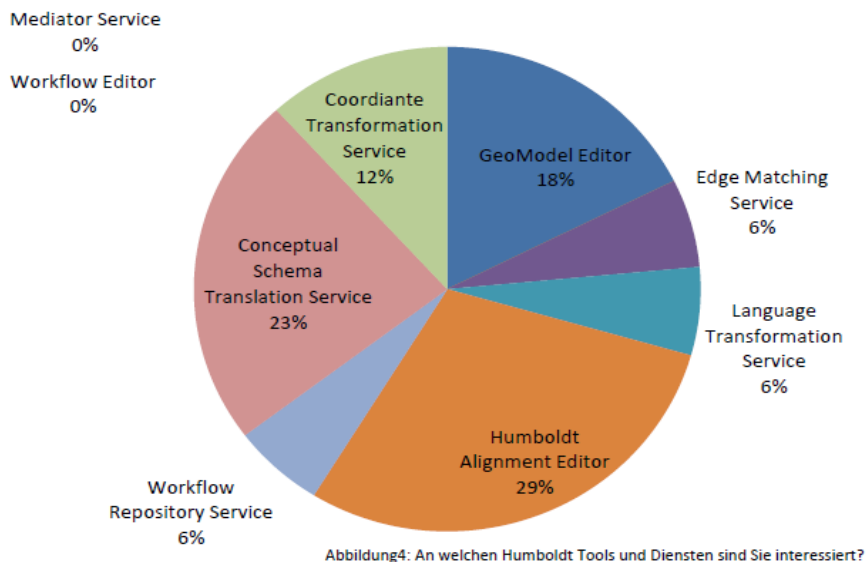
auf Modelltransformationen.

## Ergebnisse & Fazit

Die Frage, ob der Kurs aus Ihrer Sicht erfolgreich war, wurde von den Teilnehmern überwiegend mit „ja“ beantwortet. Kritikpunkte gab es für die überwiegend theoretische Auslegung des Kurses. Gewünscht wären mehr praktische Beispiele. Auch die Komplexität des Themas macht es schwer, die Bedürfnisse aller Teilnehmer an einem Tag zu erfüllen.

Auch aus Sicht des Mitveranstalters Runder Tisch GIS e.V. war der Kurs sehr erfolgreich. Sowohl neue Teilnehmer, die den Verein nicht kannten, als auch Personen, die schon in den vergangenen Jahren am Fortbildungsseminar oder Kursen teilgenommen hatten wohnten dem Kurs bei.

Das HUMBOLDT Projekt wurde den Teilnehmern bekannt gemacht und es wurde während des Kurses online vorgeführt, wo auf sich weitere Informationen sowie die Trainingsseiten zugegriffen werden kann. Die Abbildungen 4 und 5 zeigen das Interesse an den HUNBOLDT Tools und Diensten sowie das Interesse an den HUMBOLDT Beratungsdienstleistungen.



Für den Herbst 2011 ist die Durchführung des Kurses erneut geplant. Hierfür werden die Kritikpunkte dieser Ergebnisse mit einbezogen. So ist derzeit ein zwei - tägiger Kurs mit mehr Praxis - Bezug

geplant. Außerdem werden neben den regelmäßig durchgeführten Werbemaßnahmen spezielle Zielgruppen angeschrieben werden.

## Annex I: Workshop/Event Organisation - Questionnaire

**Please return completely filled templates by the 10<sup>th</sup> of December 2010.**

Title of the event:

Date, Location:

What kind of event is it:

- Fair  Partner project event  
 Conference  Own event

What kind of participation:

- Presentation  
 Paper presentation  Poster presentation  
 Other:  
 Workshop  
 Technical workshop  Training workshop  
 Other:  
 Discussion/Round Table  
 Other:

Responsible HUMBOLDT Partner:

Other HUMBOLDT Partners involved:

Point of contact:

Announcement of the event online (Website):

Please categorise the workshop/event according to the intended contact level (tick all that apply):

- 1<sup>st</sup> level: Initial Contact**  
Provide stakeholders with information to raise the overall problem awareness and give an introduction to HUMBOLDT methodological and technical aspects.
- 2<sup>nd</sup> level: Understanding**  
Help stakeholders to reach further problem and methodological understanding and offer training that teaches how to apply solutions to an application issue.
- 3<sup>rd</sup> level: Involvement**  
Support and encourage stakeholders who aim to / are supporting HUMBOLDT by using and/or contributing to the tools and services.

Content:

Planned results/goal(s) of the event:

Benefit for the HUMBOLDT project:

Timeframe:

Target Groups / Invited People:

Planned number of participants:

Please categorise the workshop/event according to the following objectives (tick all that apply):

**Market assessment**

Target groups: End Users, Decision Makers, leading to high-level requirements, business process descriptions and input to the market studies on harmonisation tools

**Disseminate solution/methodology knowledge**

Target groups: End Users, Data Custodians, leading to new

**Direct Support of continued developments**

Target group: Developers, leading to contributions to the HUMBOLDT community and framework

**Disseminate implementation knowledge**

Target group: Data Integrators, leading to new installations of HUMBOLDT software

**Evaluation of HUMBOLDT components**

Target groups: End users, Data Integrators, Data Custodians, leading to detailed requirements and evaluation reports

Planned budget in Euro:

Event organisation (room, rent, etc...)	
Catering	
Dissemination material	
Travel costs	
Other	
<b>Total</b>	

Percentage to be covered by the project:

Other comments:

**Obligatory attachment: (Draft) Agenda of the event**

## Annex II: Workshop/Event Participant - Questionnaire

Event:

Date, Location:

First name:	
Family name:	
Title:	
Organisation	
Address:	
Phone:	
Email:	

Which of the following categories fit best to your role(s) related to geographic information (systems)?

- |   |   |
|---|---|
| <input type="checkbox"/> Information End User | <input type="checkbox"/> Tools End User |
| <input type="checkbox"/> Data Integrator      | <input type="checkbox"/> Data Custodian |
| <input type="checkbox"/> Software Developer   |   |

What kind of relation did you have to the HUMBOLDT project before coming to this event/workshop?

- |   |  |
|---|--|
| <input type="checkbox"/> None                 | <input type="checkbox"/> General interest      |
| <input type="checkbox"/> Personal involvement | <input type="checkbox"/> Software contribution |
| <input type="checkbox"/> Other:               |  |

What kind of expectations did you have towards the workshop/event?	
Was the workshop/event successful from your perspective?	

In which HUMBOLDT Tools and Services are you interested?

- |  |  |
|--|--|
| <input type="checkbox"/> GeoModel Editor (GME)                 | <input type="checkbox"/> HUMBOLDT Alignment Editor (HALE)            |
| <input type="checkbox"/> Workflow Editor (WE)                  | <input type="checkbox"/> Workflow Repository Service (WRS)           |
| <input type="checkbox"/> Mediator Service (MS)                 | <input type="checkbox"/> Conceptual Schema Translation Service (CST) |
| <input type="checkbox"/> Edge Matching Service (EMS)           | <input type="checkbox"/> Coordinate Transformation Service (CTS)     |
| <input type="checkbox"/> Language Transformation Service (LTS) |  |

Would you be interested in the following HUMBOLDT Consulting Services?

- |  |  |
|--|--|
| <input type="checkbox"/> Feasibility Studies   | <input type="checkbox"/> Customisation Services                  |
| <input type="checkbox"/> Methodology of data harmonisation                           | <input type="checkbox"/> Quality Testing and Certificate Service |
| <input type="checkbox"/> Data Transformation Services (Software as a Service (SaaS)) |  |
| <input type="checkbox"/> Other:  |  |

Would you like to receive more information on the HUMBOLDT Framework / Scenarios / Training?	
Other comments:	

**Thank you very much for your participation!**

## **Annex III: Workshop/Event Evaluation - Questionnaire**

**Please return completely filled templates within two weeks after the event.**

Event:

Date, Location:

Responsible HUMBOLDT Partner:

Other HUMBOLDT Partners involved:

Website:

Number of participants:

Number of presentations?

What was the main result of the workshop/event?

What was especially well received by the audience?

Which impulses/requirements did the audience provide?

Based on the reaction of the audience, what should a follow-up workshop focus on?

Which of the intended target groups could be reached?

Have the contact information been uploaded in the HUMBOLDT CRM system?

Other comments:

### **Attachments:**

- List of participants
- Workshop report to be published on the HUMBOLDT public website
- Final version of the workshop presentation(s) to be published on the project website (you can also upload it in the intranet and insert the document number(s) instead:       )
- Final version of short/full paper (you can also upload it in the intranet and insert the document number instead:       )
  - May be published at the project website
  - Will be published as conference proceedings

**Obligatory attachment: List of participants  
Workshop report**

## Annex IV: PLAN4ALL WS Evaluation Questionnaire



### EVALUATION QUESTIONNAIRE ON HUMBOLDT WORKSHOP FOR LIAISON WITH EU PROJECT: PLAN4ALL

*For quality management purposes, each participant in the **HUMBOLDT Workshop** is kindly asked to fill in the following **ANONYMUS** questionnaire.  
(\* Answer is mandatory)*

#### Your details

You are:

- (1) In the Humboldt project consortium
- (2) In the Plan4All consortium
- (3) Plan4All affiliated partner
- (3) An external participant
- (4) Other

Select the category that fit the best with you

- Public – General administration
- Public - Local & regional Authority
- Public - EU Authority
- Public - Member state Authority
- Public – data provider
- Research
- Education
- NGO & Citizen
- Commercial
- Other

#### General content aspects

	Disagree					Agree
	(1)					(5)
1*- The presentation subject covers interesting and relevant topics	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	
2*- The speakers were qualified and well balanced	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	
3*- Lectures were interesting and have been delivered in a clear way	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	

4\*- Please give your overall impression about the conference

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poor	2	Neutral	4	Good

**Presentations about the HUMBOLDT Workshop**

5\*- Sufficient time was allocated to the presentations

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	3	4	5

6\*- The presentations were clearly and well delivered

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	3	4	5

7\*- The content and the technical details of the presentations match with your expectations

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	3	4	5

**Discussions (if done)**

11\*- The discussion session was useful to sum up the contributions and to compare the points of view

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	3	4	5

12\*- Sufficient time was allocated to discussion

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	3	4	5

13\*- The moderator conducted the discussion sessions in a satisfactory manner and you could easily participate

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	3	4	5

**Let us know your impression about the different presentations**

14\* - HUMBOLDT workshop

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poor	2	Neutral	4	Good

15 - If you still have unanswered question(s), please write it here

**Thank you very much for your participation!**

The feedback collected will help to improve the scientific and organisational quality of next.