



FP6-2004-27020

Access-eGov

Access to e-Government Services Employing Semantic Technologies

Instrument: STREP

Thematic Priority:

SO 2.4.13 Strengthening the integration
of the ICT research effort in an enlarged Europe

D9.5 Project Website

Start date of project: January 1, 2006 **Duration:** 36 months

Date of submission: March 28, 2006

Lead contractor for this deliverable: ISO

Revision: Final

Dissemination level: PP

Acknowledgement: The Project is funded by European Commission DG INFSO under the IST programme, contract No. FP6-2004-27020.

Disclaimer: The content of this publication is the sole responsibility of the authors, and in no way represents the view of the European Commission or its services.

FP6-2004-27020 Access-eGov Access to e-Government Services Employing Semantic Technologies			
<h2 style="margin: 0;">D9.5 Project Website</h2>			
Workpackage:	WP9	Task:	T9.5
Date of submission:		March 28, 2006	
Lead contractor for this deliverable:		ISO	
Authors:		Karol Furdik (IS) Karel Van Isacker (ISO) Julius Kovac (IS)	
Version:		1.2	
Revision		Final	
Dissemination level:		PP	
Project partners:			
<p>Technical University of Kosice (TUK), Slovakia (Coordinator); University of Regensburg (UR), Germany; German University in Cairo (GUC, Egypt; Intersoft, a.s. (IS), Slovakia; EMAX S.A. (EMA), Poland; Kosice Self-Governing Region (KSR), Slovakia; Cities on Internet Association (COI), Poland; e-ISOTIS (ISO), Greece; Municipality of Michalovce (MI), Kosice; City Hall of Gliwice (GLI), Poland; State Government of Schleswig-Holstein (SHG), Germany.</p>			
Abstract:			
<p>This document presents design and implementation of the Access-eGov Project web site. Basic components of the web interface are presented, together with site navigation and a list of various objects which can be placed on the web. The accessibility issues are pointed out to design the web interface properly, according to the requirements of W3C consortium. The administration interface of the background Content Management System is also briefly described, together with SW/HW requirements. Finally, communication rules, essential for effective usage of the website and for information exchange between the project partners, are presented together with rights and personal responsibilities.</p>			

Content

<u>1</u>	<u>WEB SITE INTERFACE</u>	4
<u>1.1</u>	<u>NAVIGATION</u>	4
<u>1.2</u>	<u>OBJECTS</u>	6
<u>1.3</u>	<u>ACCESSIBILITY</u>	7
<u>2</u>	<u>ADMINISTRATION INTERFACE</u>	8
<u>3</u>	<u>TECHNICAL REQUIREMENTS, IMPLEMENTATION DETAILS</u>	10
<u>3.1</u>	<u>PLATFORM</u>	10
<u>3.2</u>	<u>SOFTWARE REQUIREMENTS</u>	10
<u>3.3</u>	<u>HARDWARE REQUIREMENTS</u>	10
<u>4</u>	<u>ACCESS-EGOV COMMUNICATION RULES FOR MAILING LIST CONFERENCE AND DISCUSSION FORUMS ON THE WEB PAGE</u>	11
<u>4.1</u>	<u>GENERAL COMMUNICATION AMONG PROJECT PARTICIPANTS</u>	11
<u>4.2</u>	<u>COMMUNICATION AMONG WEB PAGE ADMINISTRATORS</u>	12
<u>5</u>	<u>REFERENCES</u>	14

1 Web Site Interface

The web site is available on <http://www.accessegov.org> or <http://www.access-egov.org>.

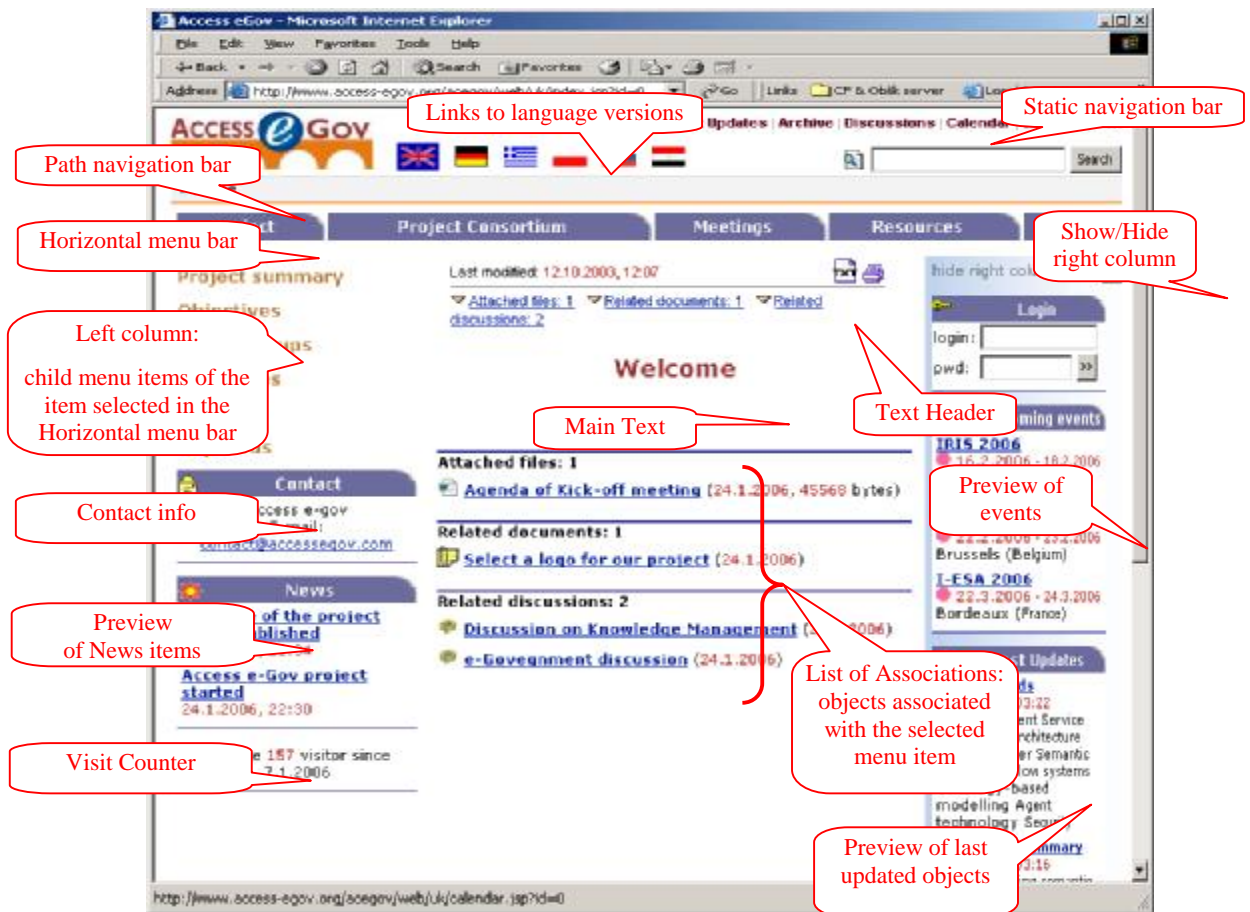


Figure 1. Welcome page of the Access-eGov web site – English version.

1.1 Navigation

Page structure (Figure 1):

- Static navigation bar: Last Updates, Archive, Discussions, Calendar, Site map, Contact.
Last Updates | Discussions | Calendar | Site map | Contact

- Links to national language versions of the web site: English (EN), German (DE), Greek (GR), Polish (PL), Slovak (SK), Egyptian – Arabic (AR).



- Fulltext Search field, link / icon to Advanced search.



- Path navigation bar.

> **Home** > **Meetings** > **Kick-off meeting**

- Horizontal menu bar – menu items of first level in the menu hierarchy.

Project **Project Consortium** **Meetings** **Pilots** **Resources** **Dissemination**

- Left column:

- Daughter menu items of the item selected in the Horizontal menu bar

Project summary

Objectives

Target groups

Milestones

Outputs

Keywords

Contact

Access-eGov

Coordinator e-mail:
Tomas.Sabol@tuke.sk

News

Web site of the project was established
24.1.2006, 22:34

Access e-Gov project started
24.1.2006, 22:30

- Contact information

- Preview of news items
(3 items listed, link to All News List)

- Visit counter

You are **484** visitor since
7.1.2006

- Main text:

- Text header: Last modified date, links (icons) to Text & Printable version of the text, links to objects associated with the current menu item: Attached files, Related HTML Documents, Related discussions.

Last modified: 24.1.2006, 22:03



▼ [Related discussions: 2](#)

Project

Project acronym: **Access-eGov**

Programme: 6th Framework Programme of the EU, Information Society Technologies

Contract No.: FP6-2004-27020

Starting Date: 1 January 2006

Duration of the Project: 36 months

Effort: 410 person-months

Overall budget: 2,279,243 EUR

Contribution of the EC: 1,983,000 EUR

- Page content – the HTML text of current menu item.

- List of objects associated with the current menu item: Attached files, Related HTML Documents, Related discussions.

Related discussions: 2

[Discussion on Knowledge Management](#) (27.2.2006)

[e-Government discussion](#) (24.1.2006)

- Right column:

- Icon (link) to show / hide the right column.

- Login & password fields

- Preview of forthcoming events (3 events listed, the title is a link to the Calendar of events)

- Preview of last updates (5 items listed, the title is a link to the list of 20 last updated objects)



1.2 Objects

1. **News items.** Up to three news items are displayed on the left panel, below the menu tree. If there are more than three news items available, a link "... More news>>>" to a list of all news items is displayed below. News items are standard html texts, consisting of a title, a description, and an html content. News items are defined for each language version independently, sharing and translation of news items is not supported.
2. **Page content.** The HTML text of current (active, selected) menu item, or a content of other objects as news items, documents, discussions, etc.
3. **Attached files.** Multimedia files of various formats (DOC, PDF, AVI, MP3, etc.) can be attached to each of the menu items. The attached files are displayed in a paged list below the page content.
4. **Related documents.** HTML documents, consisting of a title, a description, and an html content. They are not included in the menu structure, but can be associated with (related to) several menu items. The related documents are displayed in a paged list below the page content. Related documents are defined for each language version independently, sharing and translation is not supported.

5. **Related discussions.** Discussions can also be associated with (related to) several menu items. The related discussions are displayed in a paged list below the page content. The link to the list of all available discussions is located on the static navigation bar on the right top of the page. Discussions are defined for each language version independently, sharing and translation is not supported.
6. **Forthcoming events.** Up to three current or forthcoming events are displayed on the right panel, below the list of related discussions. Events are standard html texts, consisting of a title, a description, starting and closing date, and a html content. Browsing events by its status and dates is possible by clicking the link “Calendar” in the static navigation bar. Events are defined and managed centrally, and addressed by some (or all) of the language versions. They need to be translated and published on the web explicitly, by administrators of each of language versions.

1.3 Accessibility

The following accessibility criteria were defined:

- sizeable text;
- no tables with fixed width/height used;
- every link should have a title (title="TEXT EXPLAINING LINK") attribute;
- every table should have a summary (summary = "TEXT TO DESCRIBE TABLE CONTENT") attribute;
- every table cell should have a title (title = "TEXT TO DESCRIBE CELL CONTENT") attribute;
- to improve blind users' navigability, provide headings (H1,H2, ...) and skip-links so that visitors can easily skip the menu and go to the main content of the page;
- confirm ALT attribute of images: alternative text should be provided for an image via alt attribute (if the image has no information to read out, please provide alt="");
- explicitly associate FORM controls and their labels with the LABEL element;
- if there are logical groupings of form controls, use FIELDSET for each group;
- instruction (or a sample) for the search field is placed before the edit box.

The criteria were implemented to the website interface, so the Access-eGov website now fulfils Priority #1 level of the Web Content Accessibility [1].

2 Administration Interface

The interface is available at <http://www.accessgov.org/acegov/admin>.

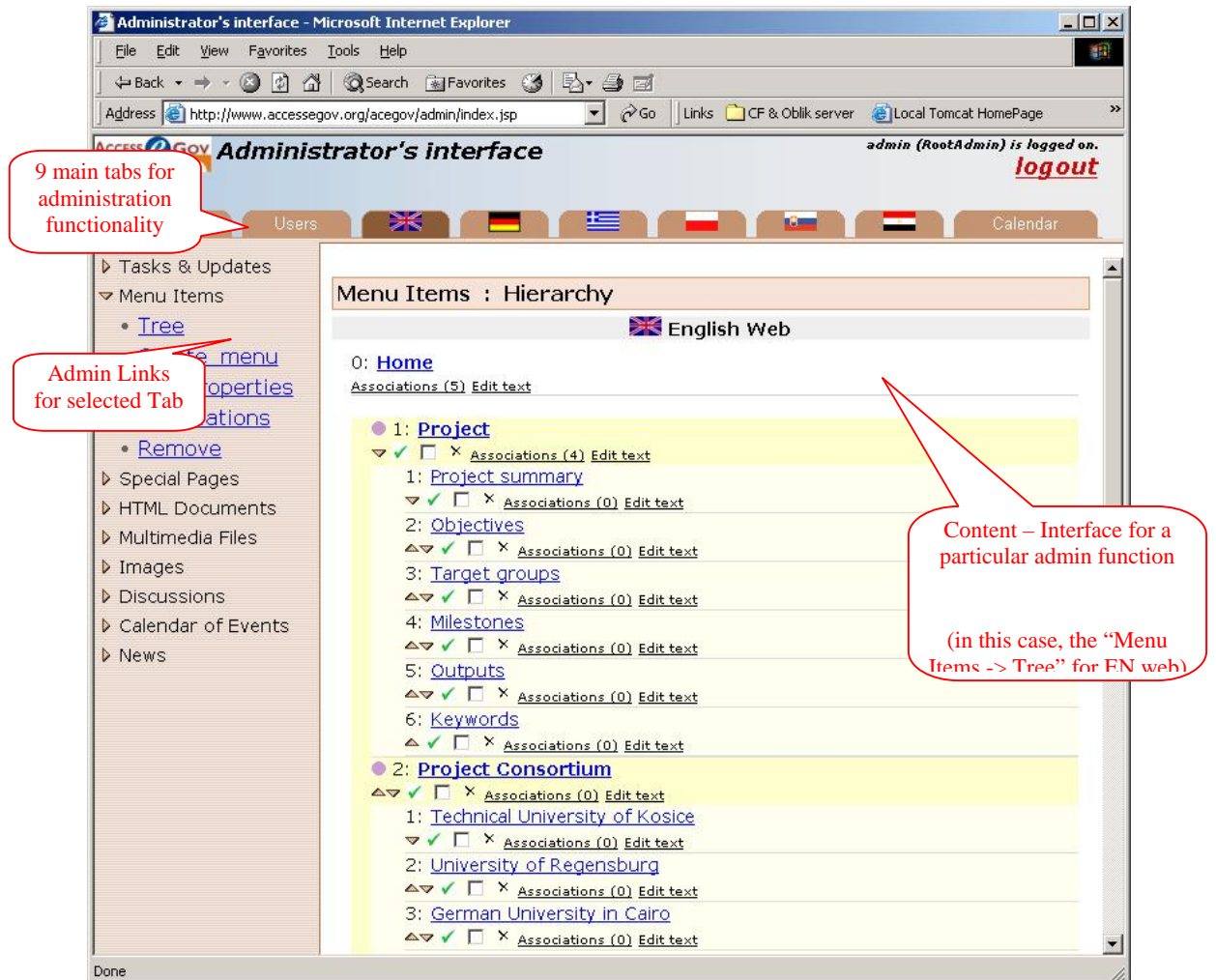


Figure 2. Administration interface for the Access-eGov web site: Structure of menu items, English version.

The admin interface (Figure 2) is organised into **9 tabs**, containing the main division of the admin functions:

- Tab #1. **System** tab: Global system settings
- Tab #2. **Users** tab: Management of Web users & Administrators
- Tabs #3.-8. **Web content** tabs for each language versions of the web site
- Tab #9. **Calendar** tab: Global management of Events

Each of these tabs has a set of **admin links**, displayed on the left column of the interface window. These admin links (commands) provide the particular functionality needed for administering the web site.

Functionality of all tabs and its admin links is described in the Web Administration Manual, available on the <http://www.accessgov.org/acegov/admin>, after clicking the “Help” button.

3 Technical Requirements, Implementation Details

3.1 Platform

The Content Management System is based on the Webocrat system (www.webocrat.sk) [2].

The following software background platform and components are used:

- Linux operating system (platform-independent solution).
- Apache web server with Jakarta Tomcat JSP extensions.
- mySql database for maintenance of system data (mySql can be replaced by any JDBC-compliant database, if needed).
- Java classes and components for the core system.
- JSP server-side scripts for web-based user interface.
- HTML with CSS for static web content.

All the components are Open Source software.

3.2 Software requirements

Since the system is designed on open source platform, no special software is required. Standard web browsers, as e.g. [MS IE](#) (version 5.5 or higher) or Netscape/[Mozilla](#) (version 1.3 beta or higher), should be sufficient for system administration and maintenance.

The only component, which can cause some difficulties, is the embedded HTML editor. The details are available at editor's web site <http://www.htmlarea.com/>.

3.3 Hardware requirements

A standard Internet connection (recommended speed 128 kb/s or higher) is sufficient for all the functionality of the system.

4 Access-eGov Communication Rules for Mailing List Conference and Discussion Forums on the Web Page

4.1 General communication among project participants

- 1) Open a new mailing list conference (or discussion forum) only if necessary and if you consider yourself responsible for the solution, but always only for the relevant target group.

If you encounter a problem, but you are not responsible for the particular problem domain, inform the Task leader with private mail. He should decide on the procedure of the problem resolution.

- 2) Use the relevant mailing list conference for your posting.

Do not send the same information to all mailing list conferences. Select the relevant target group and send the information directly to it.

- 3) Do not use mailing list conferences to propagate any document or Internet resources.

Do not attach any files to an e-mail sent to the mailing list conferences. References to any information resources of the project interest should not be propagated through mailing list conferences. Use the project web site instead of that to minimize probability of information loss of a project participant.

- 4) Use appropriate sections of the project web page to publish any important documents or Internet resources and notify participants through mailing list conference.

Study structure of the project web site and publish your deliverables, documents and links to internet resources on the relevant sections of the project web page. Please contact the Work Package leader about the structure of the publishing and appropriate web page administrator to help you to publish the information. Use appropriate naming for the published information; important data are title, author, institution acronym, version, modification timestamp and use structured numbering for deliverables.

- 5) Do not discuss published information on the project web page through mailing list conferences.

When a document is published on the project web page do not start discussion on it through mailing list conference. Use appropriate discussion forums on the project web page for particular discussions. Please contact the appropriate web page administrator to help you to start a new discussion forum. Notify other project participants through the relevant mailing list conference about running discussions.

- 6) Use meaningful, specific subject headers.

A good convention for subject headers is "object - action/deviation". The "object" part specifies what thing or group of things is undergoing a change in behaviour, and the "action/deviation" part describes the related action/deviation.

Example: "State-of-the-art report - evaluation of e-Gov services"

- 7) Narrow the mailing list conference to a subgroup and/or ask people to reply by private e-mail only in special cases.

If you think the question is such that you are likely to get a lot of answers that are all pretty similar, then the magic words are "email me and I'll summarize the answers for the group". It is courteous to save the mailing list conference from a flood of substantially identical postings - but you have to keep the promise to summarize.

- 8) Send a note after the problem has been solved to all who helped you and let them know how it was resolved. If the problem attracted general interest in a mailing list conference, it is appropriate to post the follow up there.

Optimally, the reply should be to the thread started by the original question posting, and should have "FIXED", "RESOLVED" or an equally obvious tag in the subject line to indicate not to waste time even reading the thread (unless (s)he personally finds the problem interesting).

4.2 Communication among web page administrators

- 1) Communication language is English.
- 2) The general administrator will inform all national administrators (by a direct e-mail addressed to all of them and sent concurrently) about adding, erasing or updating of any text, which relate also to national versions of web page.
- 3) In case of text adding or updating, the e-mail will contain the exact directory and sub-directory where the text should be added or updated and the attachment with word document containing the final version of text in English language.
- 4) In case of erasing a text, the e-mail will contain exact directory and sub-directory from which text has been erased.
- 5) In case of some other changes (adding files etc.), the e-mail will contain a detailed description of what shall be done.

- 6) All national administrators will ensure the translation of text (sent by the general administrator) into national language and will also ensure its updating (according to the general administrator's instructions) on the national version of the Access-eGov web page.
- 7) In case of any changes on the national version (changes which should be reflected in other language mutations) of the Access-eGov web page - the national administrator (initiator of change), will inform (by a direct e-mail addressed to all interested parties and sent concurrently) the general administrator and all other national administrators.
- 8) In case of text adding or updating, the e-mail will contain exact directory and sub-directory where the text should be added or updated and attachment with Word document containing final version of text in English language.
- 9) In case of erasing the text, the e-mail will contain exact directory and sub-directory from which text has been erased.
- 10) In case of some other changes (adding files etc.) the e-mail will contain a detailed description of what shall be done.

General (English version) administration	
Person responsible for the content:	Karel van Isacker (karel@e-isotis.org) Peter Džupka (Peter.Dzupka@tuke.sk)
Person responsible for the functionality and technical support:	Karol Furdik (Karol.Furdik@intersoft.sk)
Rights:	1) To add new texts in English version 2) To add new web page functionality
Responsibilities:	1) To inform national web page administrators about web page updates (text and functionalities) 2) To maintain web page
National versions administration	
Person responsible for the Arabic content:	Moutaz Haddara (moutaz.haddara@guc.edu.eg)
Person responsible for the German content:	Rolf Schillinger (rolf.schillinger@wiwi.uni-regensburg.de)
Person responsible for the Greek content:	Smaragda Paximada (smaragda@e-isotis.org)
Person responsible for the Polish content:	Magdalena Sroga (m.sroga@mwi.pl)
Person responsible for the Slovak content:	Peter Džupka (Peter.Dzupka@tuke.sk)

Rights:	1) To add new texts in the appropriate national version
Responsibilities:	<ol style="list-style-type: none"> 1) To inform the English version web page administrators about web page updates (text) 2) To inform all other national web page administrators about web page updates (texts) 3) To update the national web page version according to instructions from the general administrator or other national administrators

5 References

- [1] Web Content Accessibility Guidelines 1.0 (<http://www.w3.org/TR/WAI-WEBCONTENT/>)
- [2] Webocrat System description (<http://www.webocrat.sk>)