structured content overcomes problems typical to the simple text-based versioning found in most existing solutions. Rich web-based user interfaces as well as interfaces suitable for mobile devices make the outcomes of the project more attractive to prospective users. Finally, the ATLAS platform makes extensive use of several high-quality open-source components.

Below is a list of the functionality supported by ATLAS and thus available in web sites built with i-Publisher:

► Clear distinction between content and aesthetic presentation, which allows user interfaces to be created with a variety of technologies and content to be displayed on different devices.

► Dynamic content propagation – any change of content is instantly reflected across all output channels where the content is visualized.

► Multilingual versioning system, which provides a version history and allows for visual comparison of versions of documents in one or more languages. The system supports the versioning of structured content rather than the simple text-based versioning found in most existing solutions.

► Language processing of text content, supported initially in seven target languages – English, German, Bulgarian, Croatian, Greek, Polish, and Romanian. Language processing includes text categorization, summarization, annotation of important phrases, words and names, computer-aided translation of text excerpts, and multilingual full-text and similarity search.

www.atlasproject.eu

ATLAS

Target groups

The i-Publisher service:

► Is mainly targeted at small enterprises and non-profit organizations.

► Gives the ability to build via point-and-click user interface content-driven web sites, which provide a wide set of predefined functionalities and whose textual content is automatically processed, i.e. categorized, summarized, annotated, etc.

► Enables publishers, information designers and graphic designers to easily collaborate.

► Saves authors, editors and other contributors valuable time by automatically processing textual data and allows them to work together to produce high-quality content.

The i-Librarian web site:

► Addresses the needs

of authors, students, young researchers and readers.

► Gives the ability to easily create, organize and publish various types of documents

► Allows users to find similar documents in different languages, to share personal works with other people, and to locate the most essential texts from large collections of unfamiliar documents.

The EUDocLib web site:

► Addresses the needs of people who require easier access to EU documents in their own language.

► Enables users to easily find similar documents, read the summaries of desired documents, or read extracted important phrases and words.

ATLAS enables publishers, information designers and graphic designers to easily collaborate.

What is ATLAS?

ATLAS is a project funded by the European Commission under the CIP ICT Policy Support Programme. Its main purpose is to facilitate the building and maintenance of multilingual content-driven web sites, and the authoring, versioning and management of content.

ATLAS integrates several existing software components, assembling:

► A platform for multilingual web content management.

► Visualization layer called i-Publisher, which adds to the

platform a powerful web-based point-and-click tool for building, reusing and managing multilingual content-driven web sites.

In addition, i-Publisher will be used to build two content-driven web sites – i-Librarian and EUDocLib.

The project solutions will not merely meet the needs of modern multilingual content management, but also create value for all users.

► The software solutions built during the project reveal the true value, capabilities

ATLAS' main purpose is to facilitate the building and maintenance of multilingual content-driven web sites, and the authoring, versioning and management of content.

and power of several existing tools for web content management, multilingual versioning, and natural language processing by combining them in an innovative manner and offering the end results to the general public at no cost.

► With i-Librarian and i-Publisher users can easily create, manage and publish multilingual content without installing and maintaining a standalone system. Nevertheless, they retain full control over their content regardless of whether it is in their private workspace, shared or published. EUDocLib provides easy and intuitive access to a vast collection of EU law documents.

► The ATLAS platform is designed with extensibility in mind, which allows for easy addition of tools for currently unsupported languages as well as new tools for already supported languages.

► Furthermore, ATLAS significantly reduces the time and efforts for content authoring and editing because it automatically categorizes, summarizes, annotates and translates documents regardless of their language and format. The software platform enables i-Librarian users to find the most essential texts from large document collections by displaying text summaries and extracted important phrases, words and names.

► Finally, ATLAS improves content navigation by interlinking content items based on text annotations and by automatically placing the content items in appropriate subject categories.

Objectives:

► Software platform and services, demonstrating the latest achievements in the field of multilingual web content management and addressing the needs of individuals and organizations for easier web site building and content publishing.

► Liaison with the Europeana and EuroMatrix Plus initiatives in order to foster language diversity in content creation and distribution.

► Interoperability by conforming to a number of widely recognized web, natural language processing, and content management standards.

► Sustainable management format to ensure the progress of the project.

► Mechanisms and procedures, which make it easy to add new languages to the ATLAS platform, thus targeting all major European languages after the successful completion of the project.

Functionality

A wide range of technologies will be utilized to simplify the process of managing and publishing heterogeneous multilingual content, and to make content accessible both from personal computers and mobile devices.

Language-based mechanisms such as automatic categorization, summarization and annotation greatly enhance user experience by saving authors and editors valuable time and by improving content navigation. Versioning of

ATLAS simplifies the process of managing and publishing multilingual content.

Organization

Create, publish and manage multilingual websites(s)

Administrator

Creates accounts and manages users

Graphic designers

Information designers

Authors and editors

Create and manage content

i-Publisher

Accessible from organization intranets or around the world

Website building and management

Content management

End-users

View in multiple languages
Register
Create content
Enhanced content navigation
Multilingual search
Multilingual translation

Websites

ATLAS

Language support

English	German	Bulgarian
Croatian	Greek	Polish
Romanian		

Content Management System