Cumbre de la tierra 2012 - Plataforma Web

Desarrollado por
Leonardo F. Bauchwitz
Aportes y discusión de Francois Soulard.
20 de Noviembre de 2010

con el objeto de estructurar a los esfuerzos de la sociedad civil en el marco de la movilizacion de la cumbre y de la construccion de respuestas, alternativas, propuestas, se procede a describir el resultado del relevamiento inicial de herramientas, frameworks y recursos candidatos para el desarrollo de la plataforma web.

Antecedentes

Varios compañeros estan trabajando para preparar la cumbre de la Tierra en Rio en 2012, buscando vincular las propuestas en Brasil, Africa, China, India. Para lo cual:

1. Vamos a organizar varios seminarios antes de la cumbre en noviembre 2011 con Brasil
2. Mucha gente va participar, los brasileños quieren dar una forma a todo el tejido social y politico que va participar... pero no saben bien como hacerlo... pidieron ayuda a la fundacion Mayer y los compas de la fundacion me pidieron pensar algo desde aqui
3. Pensar en una plataforma en la web, que podria registrar los aportes de los participants, georeferenciarlos en un mapa, organizar los cruces de tematicas, subir documentos... No es una pagina web clasica, sino una plataforma organizada de los contenidos, que articula a través del posicionamiento geografico, de los 4 idiomas (pt, fr, es, en), de los datos por persona-organizacion, de los documentos... y combinar algo con red social si el tema es que la gente usa mucho facebook, tendriamos que vincular a facebook por ejemplo
4. Animacion tenemos que pensar en varios contactos en los 5 continentes que pueden animar la dinamica, para eso ya tenemos contactos, pero si hay un facilitador informatico por ahi puede ser interesante
5. Gestion de datos, la herramienta Base de fichas de Vincent podria servir... se puede definir una estructura que interactua con el resto... (lo habiamos experimentado para la conferencia Vamos a cuidar el planeta) habria que ver... Vincent puede ayudar en este sentido
6. Video clips: vamos a incluir a parte la realizacion de video clip para promocionar la cumbre y la propuestas civiles

Criterios que fueron surgiendo

- Debe permitir a los participantes y animadores del proceso (entre ellos de brasil) de la "cumbre civil" de reflejar los intercambios de ideas, las actividades y eventos, estructurar las propuestas, localizar las dinamicas de cambio, gestionar todos los

contactos y los 4 idiomas, para construir una forma de comunidad virtual caminando hacio Rio+20 y más allá hacia la sustentabilidad del planeta

- Tener un mapa original de georeferenciamiento (la idea seduce mucho), un sistema graficamente agradable y bastante sencillo, animado (gacetilla on the road to rio+20) y estructurado en el sentido de poder acceder a las propuestas y caracteristicas de tal o tal participantes en Mali, India, Argentina o Filipinas
- Vincular a otras redes sociales, como facebook, twitter y otras, para ampliar la difusion sin ser cautivos de ellos
- Pensar más allá de Río + 20, de forma de poder utilizar las herramientas en el futuro.

Herramientas

Herramientas y frameworks destinados a la gestión de contenidos
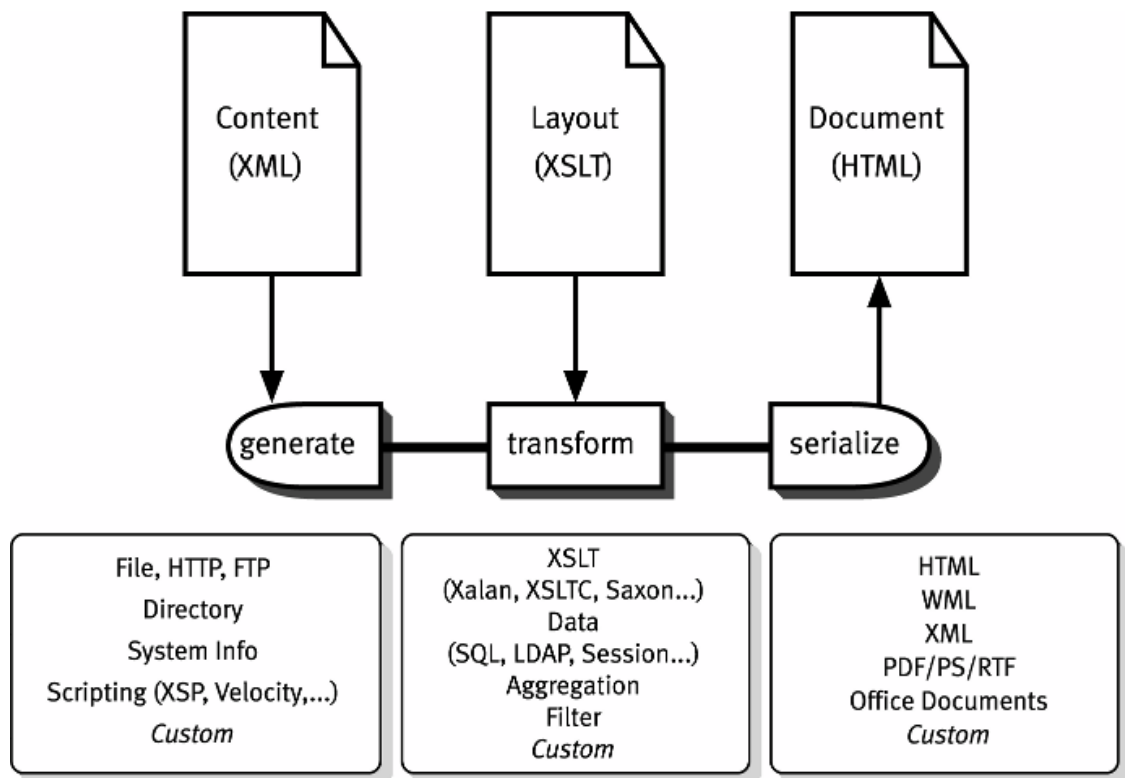
Entornos de desarrollo - Frameworks

Cocoon
http://cocoon.apache.org/
Framework apache tomcat + java

Basados en Cocoon

Hippo technology
http://www.onehippo.com/en/products/cms/technology

Features
Cocoon based

web-based graphical user interface that provides access to the content in the repository. It provides an easy way to create and manage your content, i.e. to write or upload, share, print, search, refer to, edit and structure content, assign rights to do so, have content automatically validated against your business rules and restore previous versions of the content.

1	Web-based	Content is managed via your normal web browser, anywhere you have access to your organization's intranet.
2	Multi-user	Several users may work on the same document, picture, soundtrack or other piece of content. Rights to change pieces of content or just to read them can be assigned.
3	Faceted search	Advanced methods to search and select content are available to find information to read or to refer to from other documents.
4	Versioned	Previous versions of content are stored automatically, so that they can be restored in case users change their mind.
5	Structurizable	Organizations that use Hippo CMS, design their own content structure. Hippo CMS ensures that all content fits into this single structure. Thus, the content base of the organization will be filled with information actually useful to the company; required information will actually be there and the content base will be easily understandable and searchable, thanks to its uniformity.

Demo hippo
http://www.demo.onehippo.com/

Apache-lenya

http://lenya.apache.org/
Apache Lenya is an Open Source Java/XML Content Management System and comes with revision control, multi-site management, scheduling, search, WYSIWYG editors, and workflow.

Features
Workflow

- Lenya includes a customizable workflow engine that uses an easy XML format to define workflows. Standard one- and two-stage workflows are included. Users can be notified by email about pending approvals.
- Workflow events such as publishing or deactivating a page can be scheduled.
- Separate authoring, staging and live areas are supported. For convenience, the staging area is disabled by default.
- All workflow steps are logged, providing an audit trail.

Internationalization

- Pages can be created in multiple languages with no impact on your site structure. Lenya automatically displays your page in the default languge if it is not available in a specific language.
- The user interface is currently localized in Spanish, Italian, French, German, English, Dutch and Japanese.

Layout

- The "publications" concept allows reuse of the information architecture of a site and brings modularity to the content level. Different publications (sites) can share content and business logic, and new publications can be created with a cloning process.
- XHTML+CSS templating is supported, eliminating the need to learn yet another templating language. Wherever possible, Lenya uses CSS for styling, thereby enforcing the separation of content and layout.
- The navigation framework automatically creates navigation items such as menus, breadcrumb paths and tabs. A site map can be easily created.
- Lenya produces clean URLs without request parameters and is thus optimally accessible to search engines.
- There are no restrictions on the nesting of templates. You can use any template you have defined at any level of your site structure thanks to the URI parameterizer.

Site Management

- You can move, copy, rename, archive or delete individual pages or whole parts of your site with an easy to use site view that shows you the pages of your site in an explorer-like view.
- Each page has tabs for easy access to meta data, assets, workflow status, revisions, access control and scheduling.
- The archive function allows you to deactiviate pages and store them in an archive.
- Deleted pages can be retrieved from the trash.

- Each page can have Dublin Core metadata assigned. Other metadata standards can be added if required.
- Asset management allows you to keep track of images and documents that belong to a page.
- Link management ensures that internal links are not shown if the target page doesn't exist or the user has no access to it. Link management also warns users about broken links when they publish a page.
- Before publishing a page, Lenya checks whether parent pages are already published, to avoid inconsistent sites.
- Deployment is flexible: Sites can be served dynamically by the authoring server (for small deployments) or another servlet container. It is also possible to export content statically or to use Apache HTTP Server as a proxy.
- If used with a reverse proxy, URLs can be rewritten based on the site structure of the live site.

Security

- Each page or parts of your site can be protected by SSL. You can protect just the parts of your site that need protection for best performance.
- The access control mechanism allows you to restrict access to parts of your site to members of a group or individuals. You can restrict access by function, such as viewing, editing, approval or administration.
- Users can be authenticated against an LDAP server.
- Access can also be controlled by IP ranges. Under the Hood
  - Lenya is based on Apache Cocoon. All Cocoon components can be used to develop customized functionality.
  - Lenya uses Unit Tests to discover regressions in the code.
  - A publication API defines an interface for common CMS operations.
  - A "fallback" mechanism allows you to selectively override core functionality in your site where needed. Default implementations are provided for convenience and ease of development.
  - Ant is used for portable scripting.

Apache forrest
http://forrest.apache.org/index.html
Apache Forrest™ software is a publishing framework that transforms input from various sources into a unified presentation in one or more output formats.

Geonetwork
http://geonetwork-opensource.org/index.html

Description
GeoNetwork opensource is a standard based and decentralised spatial information management system, designed to enable access to geo-referenced databases and cartographic products from a variety of data providers through descriptive metadata, enhancing the spatial information exchange and sharing between organisations and their audience

The prototype of the GeoNetwork catalogue was developed by the Food and Agriculture organisation of the United Nations (FAO) in 2001 to systematically archive and publish the geographic datasets produced within the organisation.

GeoNetwork has been developed following the principles of a Free and Open Source Software (FOSS) and based on International and Open Standards for services and protocols, like the ISO-TC211 and the Open Geospatial Consortium (OGC) specifications.

Features

- Instant search on local and distributed geospatial catalogues
- Uploading and downloading of data, documents, PDF's and any other content
- An interactive Web map viewer that combines Web Map Services from distributed servers around the world
- Online map layout generation and export in PDF format
- Online editing of metadata with a powerful template system
- Scheduled harvesting and synchronisation of metadata between distributed catalogues
- Groups and users management
- Fine grained access control

Webmap viewer + webmapserver
http://geonetwork-opensource.org/stable/users/appendix/foss4g/index.html#web-map-viewer-and-map-server-management
Integrar alguna de estas soluciones para completar la infraestructura

---

Information workbench
http://iwb.fluidops.com/index.html
A platform for Linked Data application development.

About
http://www.fluidops.net/wp-content/uploads/downloads/2010/10/fluidOps_Information_Workbench_Brochure.pdf

---

Portlets
Frameworks que incorporan portlets que permiten ampliar las funcionalidades

Palabras clave: tomcat - java - portlets Web Services for Remote Portlets (WSRP)

Exoplatform
http://platform.demo.exoplatform.org/portal/public/default/

What can I do?
http://www.exoplatform.com/company/rest-company/jcr/repository/collaboration/sites%20content/live/website/web%20contents/80.Resource-Center/Case-Studies/What-Can-You-Do-with-eXo-Platform-3/documents/what-can-you-do-with-exo-platform-3.pdf

Apache jetspeed
http://portals.apache.org/jetspeed-2/
Jetspeed is an Open Portal Platform and Enterprise Information Portal, written entirely in open source under the Apache license in Java and XML

Description and features
Jetspeed is an Open Portal Platform and Enterprise Information Portal, written entirely in open source under the Apache license in Java and XML and based on open standards. All access to the portal is managed through a robust portal security policy. Within a Jetspeed portal, individual portlets can be aggregated to create a page. Each portlet is an independent application with Jetspeed acting as the central hub making information from multiple sources available in an easy to use manner. A portal based on Jetspeed can make applications, database information and other data sources available to end-users through a single web site. Jetspeed provides a security infrastructure so that the information and functions made available to each user can be customized on basis of the user or a role that the user has. The user can access the portal via a web browser, WAP-phone, pager or any other device supported by the servlet engine.

The Jetspeed enterprise portal integrates dynamic information, people, and processes across organization boundaries. This content is aggregated using portlets from diverse sources. Portlets are just mini-web applications, or web-components. Jetspeed always provides secured access to the portlets. A short overview of Jetspeed features:

- *New* 2.2.1 Jetui AJAX Customization Engine with Dockable Toolbox, Drag and Drop, New Navigations
- Secure Access - Security based on standards, ACLs, Open ID, CAS
- Single Point of Entry (SSO, Federated)
- Enterprise Integration - (EAI, integration points)
- Personalization - (customizers, skins)
- Dynamic Web Components - (portlets based on standards)
- Scaleable, Component Architecture featuring multi-threading

Description

A portal based on Jetspeed can make applications, database information and other data sources available to end-users through a single web site. Jetspeed provides a security infrastructure so that the information and functions made available to each user can be customized on basis of the user or a role that the user has. The user can access the portal via a web browser, WAP-phone, pager or any other device supported by the servlet engine.

The Jetspeed enterprise portal integrates dynamic information, people, and processes across organization boundaries. This content is aggregated using portlets from diverse sources. Portlets are just mini-web applications, or web-components. Jetspeed always provides secured access to the portlets. A short overview of Jetspeed features:

- *New* 2.2.1 Jetui AJAX Customization Engine with Dockable Toolbox, Drag and Drop, New Navigations
- Secure Access - Security based on standards, ACLs, Open ID, CAS
- Single Point of Entry (SSO, Federated)
- Enterprise Integration - (EAI, integration points)
- Personalization - (customizers, skins)
- Dynamic Web Components - (portlets based on standards)
- Scaleable, Component Architecture featuring multi-threading

Gridsphere

http://www.gridsphere.org/gridsphere/gridsphere/guest/8/r/
GridSphere enables developers to quickly develop and package third-party portlet web applications that can be run and administered within the GridSphere portlet container

Gadgets - Client side -

Distintas formas de presentar contenidos. Se usan del lado cliente, en la página web, no requiere bases de datos, etc. Posible de integrar con los distintos entornos que utilicemos.

Timeline

http://www.simile-widgets.org/timeline/
make beautiful interactive timelines like the one below. Try dragging it horizontally or using your mouse-wheel. Click on each event for more details.

Timeplot

http://www.simile-widgets.org/timeplot/
Timeplot is a DHTML-based AJAXy widget for plotting time series and overlay

time-based events over them

Exhibit
http://www.simile-widgets.org/exhibit/
create web pages with advanced text search and filtering functionalities, with
interactive maps, timelines, and other visualizations

---

runway
http://www.simile-widgets.org/runway/
This widget lets you display images in a rich interactive visualization similar to that of
Apple iTunes known as Cover Flow. It is a Flash-based implementation.

Base de datos

Base de fiches
http://www.basedefiches.net/bdf/fr/index.html
Le logiciel BaseDeFiches / Base de datos xml

Características

- corre con Apache-Tomcat y Java
- estructura de datos y almanecimiento en formato xml, codigo en java
- el soft tiene una interfaz de admin para definir las fichas, campos, tipo de campos, tesauros (palabras claves), exportacion (ods, sql, xslt) los permisos y grupos de usuarios
- desde la misma interfaz podes editar, crear, modficar o borrar fichas
- el motor de la base recupera los datos xml, le aplica un filtro xslt para la pantalla... de hecho los modelos de pantalla se pueden personalizar nueva opcion de extension (en java tambien) , que permite agregar otra interfaz, funciones...
- existe la posibildad de parametrar las exportaciones al formato html, o sea creas un filtro de tus datos, le aplicas una hoja de transformacion xslt y todo pasa al formato html por ejemplo para incorporar en un sitio
- hay opcion de backup y de exportacion automatica
- vincent esta creando actualmente puentes para insertar y generar datos para desmodo y simplegrille, o sea se van a volver interoperables
- en la practica lo interesante es que podes tener alguien que administra los campos, estructura, palabras claves de la base, otro compa que maneja el codigo xml y java para extensiones y exportaciones y los usuarios que ingresan sus datos
- base de fichas por ejemplo te permite armar toda una estructura de fichas (contactos georeferenciados, propuestas, palabras claves...), dar accesos y gestionar los permisos a los usuarios para que ingresen sus cosas

Postgis
http://postgis.refractions.net/
Postgresql + gis

Flamenco - Buscador facetado
http://flamenco.berkeley.edu/index.html
The Flamenco Search Interface Project

Description
The *Flamenco* search interface framework has the primary design goal of allowing users to move through large information spaces in a flexible manner without feeling lost. A key property of the interface is the explicit exposure of category metadata, to guide the user toward possible choices, and to organize the results of keyword searches. The interface uses hierarchical faceted metadata in a manner that allows users to both refine and expand the current query, while maintaining a consistent representation of the collection's structure. This use of metadata is integrated with free-text search, allowing the user to follow links, then add search terms, then follow more links, without interrupting the interaction flow.

Real time collaboration

etherpad
http://etherpad.org/
real-time document collaboration for groups of users.
. It includes a mini chat room and shows each user's edits with their own color in real time. Also nice is the ability to save and restore revisions.

Synchroedit
http://synchroedit.com

Indexación de nuevos contenidos

Aperture webproject
http://sourceforge.net/apps/trac/aperture/wiki/Overview

Description
Aperture is an open source library for crawling and indexing information sources such as file systems, websites and mail boxes. Aperture supports a number of common source types and document formats out-of-the-box and provides easy ways to extend it with custom implementations.

Redes sociales - Intercambio - Comunicación - Reflejo

Mahara
http://mahara.org/group/view.php?id=1
Mahara is an open source e-portfolio system with a flexible display framework

Elgg
http://elgg.org/
social networking engine - Extensa galería de plugins para ampliar la funcionalidad

Description
Powerful Data Model
Elgg provides a powerful data model making the creation of different entities simple, yet flexible.

Activity Streams
The granular activity stream API ensures your plugins can push the required content to your users.

Plugin API
Use Elgg's powerful plugin API to build and add your required features.

User Management
Elgg handles your user management and relationship requirements.

Access controls
All objects in Elgg can have an access control level applied making granular access permissions possible.

Web Services API
Expose functionality through the REST API by building a plugin and then either publish the API for other developers to build clients or provide your own.

Atrium
http://openatrium.com/features
Open Atrium is an intranet in a box that has group spaces to allow different teams to have their own conversations. It comes with six features - a blog, a wiki, a calendar, a to do list, a shoutbox, and a dashboard to manage it all.

---

generatech.org
http://generatech.org/
parece un entorno adaptable.
Lo está usando generatech.org y están disponibles las modificaciones.

Microblogs
http://status.net/
open source microblogging platform that helps you share and connect in real-time within your own domain.

Planet
planetplanet.org
Planet is an awesome 'river of news' feed reader. It downloads news feeds published by web sites and aggregates their content together into a single combined feed, latest news first.

Aplicaciones - Client side -
Distintas formas de presentar contenidos. Se usan del lado cliente, en la página web, no requiere bases de datos, etc. Posible de integrar con los distintos entornos que utilicemos.y

jwchat
http://jwchat.org/
web based yet full featured jabber client

Cortado streaming client
http://www.flumotion.net/features/

Clientes de telefonía

red5phone
http://code.google.com/p/red5phone/
Basado en flash - sip web phone

Mizutech
http://www.mizu-voip.com/Download.aspx
Tiene versión para ser usada en el sitio web, pero la licencia parece no ser libre

Calendario basado en timeline o similar

Servers

Telefonía
Servidor basado en asterisk

Sympa - Gestor de listas de correo

Jabber
Servidor jabber con soporte muc para conferencias

Streaming-server Flumotion
http://www.flumotion.net/
Flumotion Streaming Software allows broadcasters and companies to stream content live and on demand in all the leading formats from a single server. Flumotion also offers a Streaming Platform and WebTV

Recursos

Bancos de imágenes libres
Stock Exchange (muy recomendada)
Morguefile (muy recomendada)
Image After
Free Photos Bank
OpenPhoto
BigFoto

USDA
NASA
NOAA
NPS
Earth from Space
FWS1
FWS2
Picture Station
Geek Philosopher
Free Images
Pixel Perfect Digital
FreeFoto
Image Base
Cepolina
Amazing Textures
Texture Warehouse
PDPhoto
Image Blowout

Piotrpix
Mandragora
Fotogenica
Mayang
Free Photo Station
Cromavista
Afflict
Creativity 103
The Photo Repository
Aarin Free Photo
Stockvault
Designpacks
Unprofound
Four Bees
Insect Images
Free media Goo
Burning Well
A digital Dreamer
Freestockphotos.com
Freewebpics
Lightmatter
Majestic Imagery
Triparalbum
Demny Onink
Twice Pix
AboutPixel
Woophy
Pixelquelle
Litetek
PIX
tOfz
Fontplay
Orangetrash
ArtFavor
ImageTemple
LogoDesignweb
Fotodatebank
Bajstock
Pixelbag
NWYH Stock Images
PhotoCase
NPS Digital Image Index
Gimp-Savy
DeviantArt