BEdita, a semantic content management framework, made in Italy



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Definition

- BEdita [bi'ɛdita]
 a Web2.0 framework,
 a tool for the next Web3.0 and
 for the (future?) Semantic Web.
- Not just designed around WWW but also for desktop, mobile, paper-press

History/motivation

- Two italian companies based in Bologna: ChannelWeb and Chialab.
- 15 years of experience in web design and software design.
- 2 years on BEdita3.0 development
 (2007-2009) a working solution,
 many real projects based on it...



Framework or CMS?

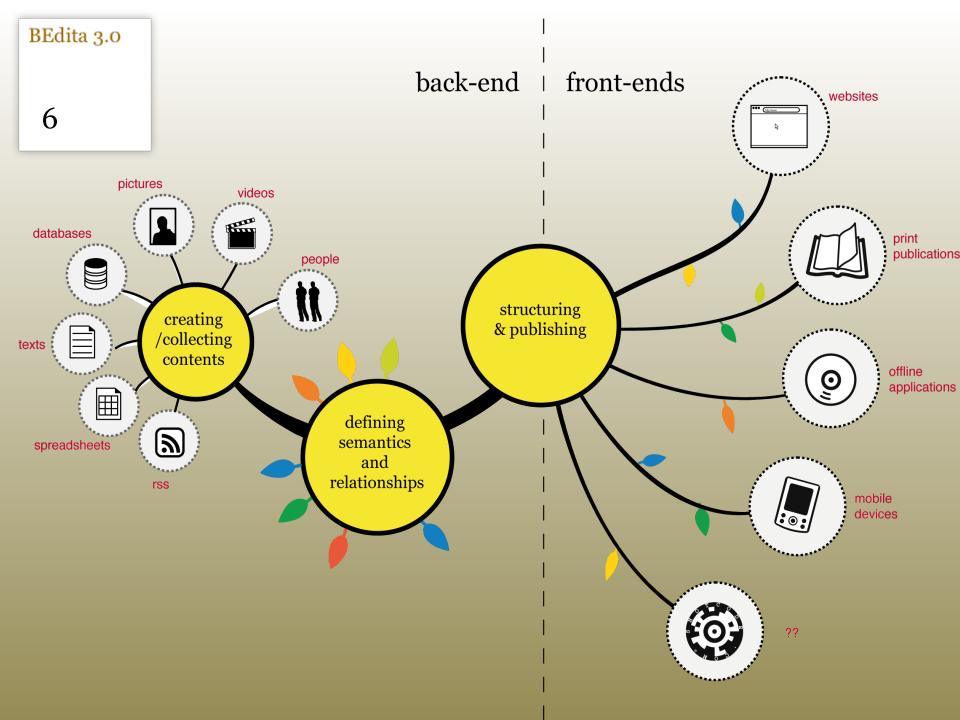
CMS: "a tool that enables tech and non tech staff to create, edit, manage and publish a variety of content (text, graphics, video, ...)"

Framework: "incomplete, though concrete, driving solution to recurring high-value problem"

- *incomplete*: tool for [web]designer/[web]devs
- *high value problem*: applications with dynamic, multimedia contents, complex, many semantic relations

2 main elements:

- backend WebApplication: handling contents and their semantic relations; modern/elegant/ergonomic UI....featuring chromatic association between object types, lot of drag'n'drop, and other AJAX techniques;
- frontend API, services, specs, conventions to build frontend apps; Web apps mainly, but also desktop/mobile using the native REST/XML interface.



BEdita 3.0	Publishing	Documents	welcome Paolo Rossi		your 5 recent items Marco Antonio Dune.jpg Innaugurazione
Events	Multimedia	Galleries	Tags	Comments	Publishing your profile and preferences search GO
Translations	News	Addressbook	Newsletter	Webmarks	all recent items connected user tags
Books	Bibliographies	Admin	Questionnaires	Statistics	

- → Italiano
- → english
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- → portuguĕs

BEdita © ChannelWeb and Chialab 2006-2009

> www.bedita.com

BEdita 3.0

C 2008

Publishing

archivio

11 Coming shows

New publishing New section + 2008 - Edizione corrente home page festival news archivio registrazione gallery dentro l'opera photogallery area stampa comunicati rassegna immagini accredito video

contents		nts	sections	properties		
	1		19-20-21 set START	tembre WEEK-END IN GALLERIA con	ita	» X
	2		'Dynamic Tab vol	ole. Un dialogo fra profit e non profit'. Fron	n ita	» X
	3		4 ottobre: Gio	ornata del Contemporano	ita	» X
	4		Test news		ita	» X
	5		6 maggio, co festival	nferenza stampa di presentazione del	ita	» X
	6		Al festival si p	parla di dismissioni creative	ita	» X
	7		A conclusion e lu	e della seconda giornata del festival, Suc	oni ita	» X
	8		Questa è una	a nuova news	ita	» X
	9		Arte e design Vegesack	n. Alberto Bassi intervista Alexander Von	ita	» X
	10		Ci vediamo a	ill'Adunata del contemporaneo	ita	» X

BEdita 3.0

Multimedia

all multimedia

798 multimedia

page 1 of 40

prev

Add new item

Select by type



Image



Video



Audio



Text



Spreadsheet



Presentation



Drawing



Chart



Formula



All



order by:

id

title

name

type



After Judgment S01E01: video/blip 0KB Apr 30, 2009



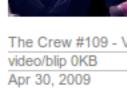




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User: ChannelWeb Global User

> Home

> Exit

BEdita @ Chialab and

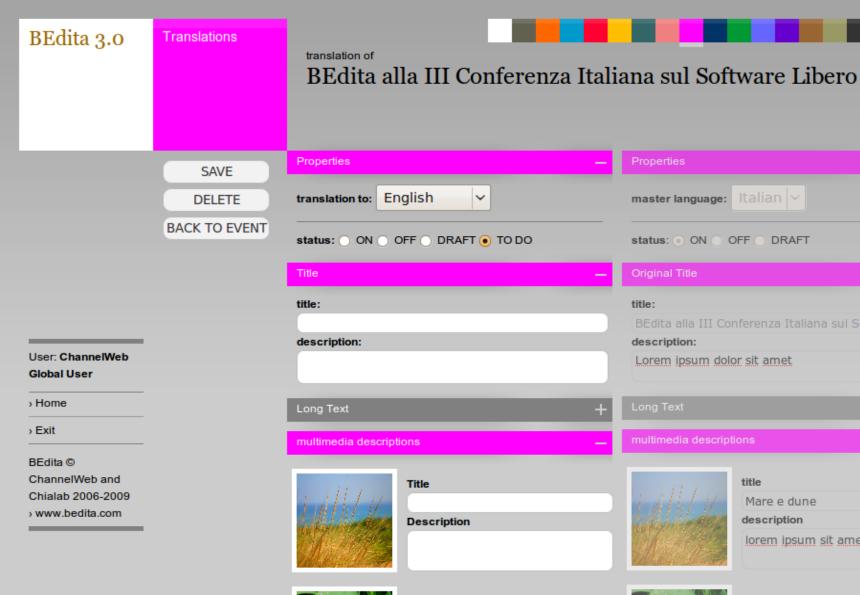


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Title

Description

Lorem ipsum dolor sit amet title Mare e dune description lorem ipsum sit amet title RainDrops.jpg description title



Features

i18n: contents & UI in every language (ISO-693-3, gettext, custom structure, dedicated module)

object design: every type may be (geo)tagged, categorized, translated, published on different nodes...; videos, events, newsletters, cards...

obj extensions: create new types, or new custom properties to existing types

modularity: software modules for specific tasks and to hande different types

Features (more)

- free semantic relations between objects;
- authentication: internal or external (like LDAP,OpenID)
- dedicated **newsletter** module
- integrated **statistics**, on contents and pubblications (external providers like Google analytics, webserver log)
- access granularity: users and groups (dynamic privileges)
- XML/REST (JSON) native interface for published objects
- **nicknames** : unique alfanumeric semantic ID for URLs/apps

Strength

- Clean separation between backend and frontends
- Clear framework nature
- Extensible object design
- Reuse: web app frameworks and other libs..
- Advanced i18n
- Elegant, ergonomic, powerful web2.0 backend UI
- Free semantic relations
- Enterprise features on LAMP architecture

A unique or rare set of features.... almost....or??

BEdita advantages:

- many object types, real obj design, semantic relation richness
- native multi-publishing
- gerarchic tree publishing structure (not just pages)
- native i18n, dedicated module frontend automatic localized display

Wordpress advantages:

- some editing features (concurrency, versioning) we're working on it...
- many 3rd party plugins/modules; more export/import filters
- documentation, many easy-to-find web resources
- simpler system, more intuitive/rapid to understand, ready-to-go frontend,
- different target (not jus designer/developer)



Requirements:

LAMP architecture, Linux & Apache recommended on productions systems, only cross-platform components (Mac/Win/UNIXes...); **MySQL5**: referential integrity, views, tored procedures; other DBMS theorically supported...; **PHP5**: OO syntax, extensive use of exceptions;

Bundled software:

CakePHP: new webapp framework, like RubyOnRails; provides MVC, i18n/l10n, OR Mapping, UnitTesting, DBmigrations, security, caching, validation; **Smarty**: PHP templating library (MVC View); **jQuery**: Javascript library - AJAX, drag'n'drop, DOM manipulation; many other like phpThumb, TinyMCE

- classic W3C web technologies standards
- Dublin Core: metadata for objects/contents
- RSS /Atom automatic feeds generation
- Sitemap: automatic map generation, new sitemap protocol
- REST: webservices *like* not SOAP (in the future?)
- CMIS: Content Management Interoperability Services, OASIS interop. standard (draft) between CMS (work in prog.)
- OpenDocument: import/export filters (work in prog.)
- Other lower level standards: ISO 639-3, UTF-8



BEdita Applications

Web: companies, public administrations, projects, campaigns, portals; > webagencies, communication, marketing, software house, system integrators; **publishing**: online vertical applications (books, magazines, newspapers, tv/radio); > publishing companies dedicated vertical solutions: specific fields/domains where e.g. festivals/events/fairs management; > consulting and services companies (main ICT), startups; new web services – any cool idea? > startups;



Licensing

BEdita: dual licensing business model

Affero GPLv3 license: a relatively new license, created for software on the net (our case), resolving the ASP loophole problem.

Proprietary version: same software with a few vertical addon modules (publishing and e-commerce).

A clear choice to users:

- choosing AGPL license: all free software rights, but same license for apps published on Internet (source code available);
- choosing proprietary license: I may publish my Internet applications not under AGPL, also vertical proprietary sw;



Dissemination

No real community on the project (aside from companies employees), limited Affero/GPL use, main reasons:

- in house development for more than 2 years; schema may change on feedbacks/contributions we're having
- first free version published march 2009, dissemination activity just begun (web, conferences, reviews....)

In the next months, at the end of 2009, we will evaluate dissemination results: use and partecipation on the project will change, hopefully rise...



Roadmap

AGPL version roadmap:

- 1. june/july 2009 first stable realease, bugfix, current features tuning, performance optimizations;
- 2. autumn 2009 3.1 release better concurrent editing, web installer, caching and object versioning;
- 3. spring/summer 2010 3.2 version permissions on objects extension; introduction of some NLP (Natural Language Processing) techniques for categorization and automatic association of semantic relations.



Thank you!

See you on

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