

Interacción con Linked Data y su Sostenibilidad

Roberto García

Día W3C en España: La Plataforma Web
Abierta

Granada, 12 de Enero de 2012

Grupo de Investigación en
Interacción Persona Ordenador
e **Integración de Datos**



Centro de Investigación en
Tecnologías para la **Sostenibilidad**
Universitat de Lleida

Web 3.0. Paso adelante?

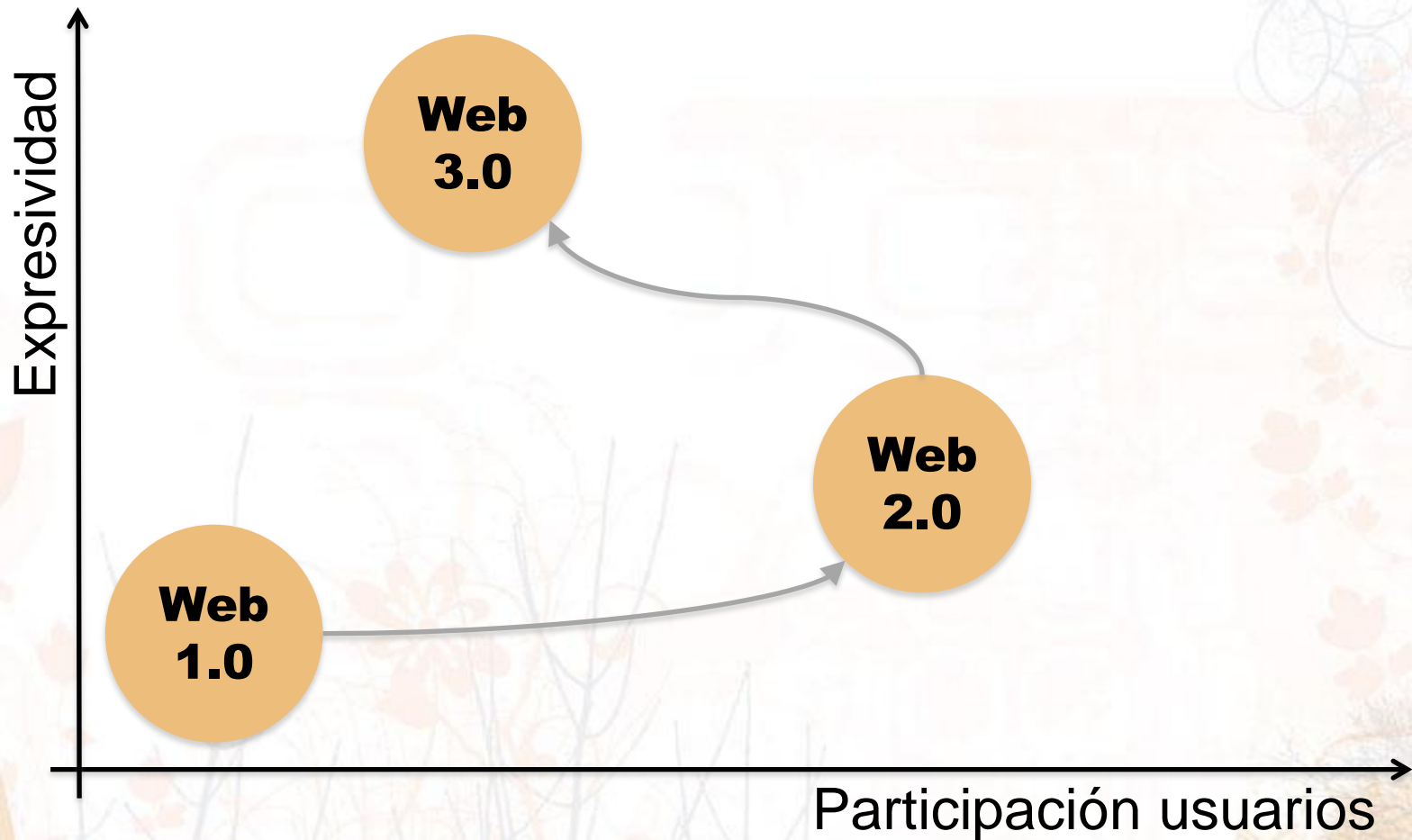


Web Semántica

Linked Data

Web de los Datos

Paso atrás en participación

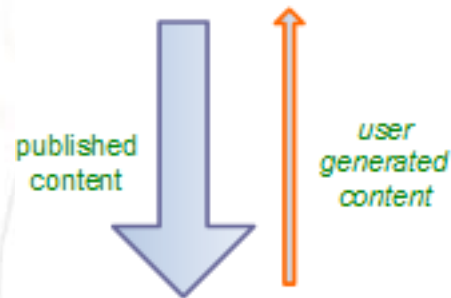


Participación: factor éxito Web

Web 1.0

"the mostly read-only Web"

250,000 sites



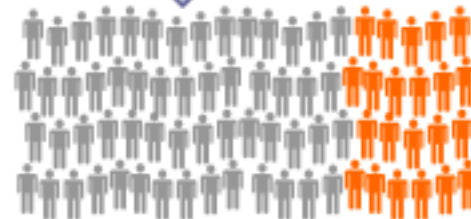
45 million global users

1996

Web 2.0

"the wildly read-write Web"

80,000,000 sites



1 billion+ global users

2006

Web 3.0 + Participación

- Desde proponer datasets, valorarlos, ...
... hasta **edición** (mantenimiento y calidad datos)



Necesaria Interfaz Usuario

About: [Granada](#)

An Entity of Type : [populated place](#), from Named Graph : <http://dbpedia.org>, within Data Space : [dbpedia.org](#)



Granada is a city and the capital of the province of Granada, in the autonomous community of Andalusia, Spain. The city of Granada is placed at the foot of the Sierra Nevada mountains, at the confluence of three rivers, Beiro, Darro and Genil, at an elevation of 738 metres above sea level yet only one hour from the Mediterranean coast, the Costa Tropical. Nearby is the Sierra Nevada Ski Station, where the FIS Alpine World Ski Championships 1996 were held.

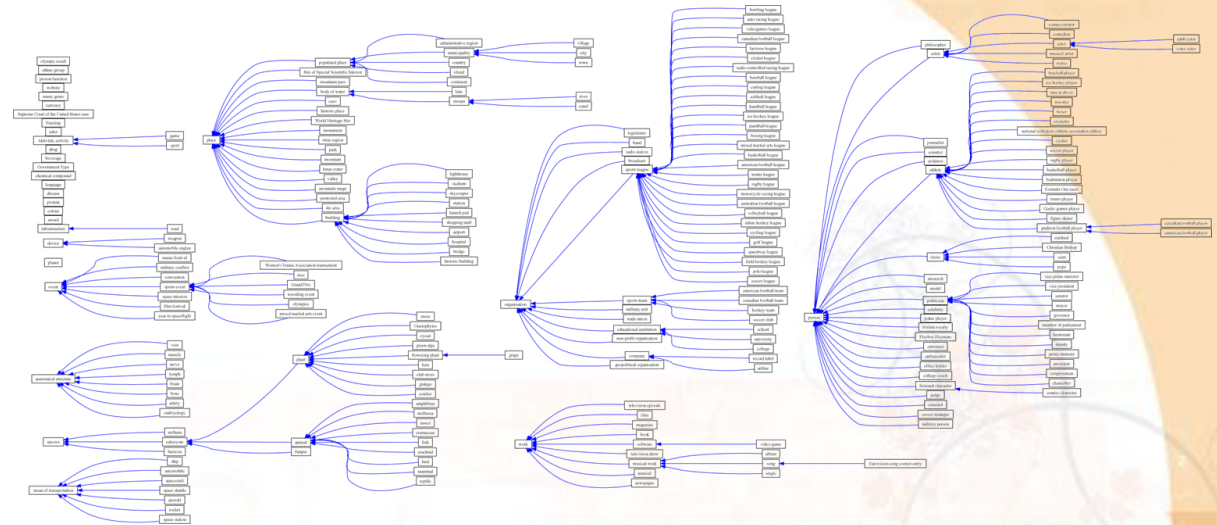
Property	Value
dbpedia-owl:areaCode	<ul style="list-style-type: none">+34 (Spain) + (Granada)
dbpedia-owl:areaTotal	<ul style="list-style-type: none">88000000.000000 (xsd:double)
dbpedia-owl:country	<ul style="list-style-type: none">dbpedia:Spain
dbpedia-owl:elevation	<ul style="list-style-type: none">738.000000 (xsd:double)
dbpedia-owl:governmentType	<ul style="list-style-type: none">dbpedia:Mayor-council_government
dbpedia-owl:isPartOf	<ul style="list-style-type: none">dbpedia:Andalusiadbpedia:Province_of_Granadadbpedia:Vega_de_Granada
dbpedia-owl:leaderParty	<ul style="list-style-type: none">dbpedia:People's_Party_(Spain)
dbpedia-owl:leaderTitle	<ul style="list-style-type: none">Mayor
dbpedia-owl:populationTotal	<ul style="list-style-type: none">237929 (xsd:integer)
dbpedia-owl:postalCode	<ul style="list-style-type: none">18000
dbpedia-owl:thumbnail	<ul style="list-style-type: none">http://upload.wikimedia.org/wikipedia/commons/thumb/5/59/Granada_collage.jpg/200px-Granada_collage.jpg
dbpedia-owl:timeZone	<ul style="list-style-type: none">dbpedia:Central_European_Timedbpedia:Central_European_Summer_Time
dbpedia-owl:utcOffset	<ul style="list-style-type: none">+2+1
dbpedia-owl:wikiPageExternalLink	<ul style="list-style-type: none">http://www.costatropicalnews.comhttp://www.granada.org/http://www.granadatur.com/enhttp://granada-webcam.com/en_index.phphttp://www.vimeo.com/2655886
dbpedia-owl:wikiPageLength	<ul style="list-style-type: none">40 (xsd:integer)

Propuesta: Generación IU para Linked Data

		Componentes Arquitectura Información
Patrones Interacción con Datos	Vista General	Menú, Mapa Sitio,...
	Zoom y Filtro	Facetas
	Detalles	Listado

Patrón: Vista General

Generación Automática



About **mean of transportation (32712)** **organisation (134972)** **person (317015)**

aircraft (6187)
automobile (6517)
rocket (206)
ship (19698)
space shuttle (20)
space station (22)
spacecraft (62)

band (21862)
broadcast (6775)
company (31251)
educational institution (31297)
military unit (9393)
non-profit organisation (1443)
radio station (15703)
sports team (11705)
trade union (1209)
Other organisation (1400)

artist (78829)
athlete (114848)
cleric (5423)
fictional character (8635)
military person (13494)
office holder (16526)
politician (19285)
scientist (8475)
soccer manager (8490)
Other person (16874)

body of water
building (327)
historic place
lunar crater
mountain
mountain /
populated
protected
World Her
Other place

place (413404) **species (141660)** **work (320048)** **Other (113563)** **Contact**

area (26717)
area (80)
area (23297)
area (1449)
area (1473)
area (479)
area (310970)
area (4521)
area (1118)
area (2144)

archaea (164)
bacteria (163)
bird (12334)
fish (11134)
fungus (6960)
insect (36245)
mammal (8274)
mollusca (8677)
plant (39528)
Other Animal (15930)

album (94033)
book (20490)
film (49184)
magazine (2182)
musical (1010)
newspaper (3337)
software (22633)
television episode (74397)
television show (15779)
Other MusicalWork (37003)

anatomical structure (3851)
chemical compound (6273)
device (19626)
disease (4647)
drug (4348)
event (12244)
person function (22377)
planet (12348)
road (8914)
Other Other (18935)

Patrones: Zoom y Filtrar

[About](#) [mean of transportation \(32712\)](#) [organisation \(134972\)](#) [person \(317015\)](#) [place \(413404\)](#) [species \(141660\)](#) [work \(320048\)](#) [Other \(113563\)](#) [Contact](#)

Filter by:

[Reset filters](#)

▶ **subject**

▶ **city**

▼ **country**

United States (13532)

USA (7028)

England (6034)

India (2610)

Australia (1976)

Canada (1232)

Philippines (1122)

United Kingdom (814)

Japan (668)

United States of America (646)

[more values](#)

▶ **numberOfStudents**

▶ **state**

▶ **colours**

▶ **state**

▶ **point**

▶ **lat**

Data

band (21862)
broadcast (6775)
company (31251)
[educational institution \(31297\)](#)
military unit (9393)
non-profit organisation (1443)
radio station (15703)
sports team (11705)
trade union (1209)
Other organisation (1400)

Map (9)

+

comment Arizona

of 70,440. ASU is spread across four campuses in the Phoenix Metropolitan Area. ASU was founded in 1885 as the Tempe Normal School for the Arizona Territory in Tempe, Arizona. In 1945, the school came under control of the Arizona Board of Regents and was renamed "Arizona State College.

Arizona State University a university, Feature

[edit](#) - [new](#) - [del](#)

[Referrers](#) - [Map](#)

+

comment Bob Jones University (BJU) is a private, non-denominational Protestant university in Greenville, South Carolina. It is the largest private liberal arts university in South Carolina and has a reputation for being one of the most conservative of religious schools in the United States. The university was founded in 1927 by Bob Jones, Sr. (1883-1968), an evangelist and contemporary of Billy Sunday.

Bob Jones University a Feature, university

[edit](#) - [new](#) - [del](#)

[Referrers](#) - [Map](#)

+

comment The California Institute of Technology (commonly referred to as Caltech) is a private research university located in Pasadena, California, United States. Caltech has six academic divisions with a strong emphasis on sciences and engineering. Its 124 acre (50 ha) primary campus is located approximately 11 mi (18 km) northeast of downtown Los Angeles. Although founded as a preparatory and vocational school by Amos G.

California Institute of Technology a university, Feature

[edit](#) - [new](#) - [del](#)

[Referrers](#) - [Map](#)

+

comment Dartmouth College is a private, coeducational university, comprising a liberal arts college, Dartmouth Medical School, Thayer School of Engineering, and Tuck School of Business, as well as 19 graduate programs in the arts and sciences. It is located in Hanover, New Hampshire. Incorporated as "Trustees of Dartmouth College," it is a member of the Ivy League and one of the nine Colonial Colleges founded before the American Revolution.

Dartmouth College a university, Feature

[edit](#) - [new](#) - [del](#)

[Referrers](#) - [Map](#)

+

comment Grinnell College is a private liberal arts college in Grinnell, Iowa, U.S. known for its strong tradition of social activism and rigorous academic environment. It was founded in 1846. when a group of pioneer New England Congregationalists established the Trustees of Iowa College. Grinnell, ranked fourteenth among liberal

Grinnell College a university

[edit](#) - [new](#) - [del](#)

Edición Asistida (y Confianza)

▼ country

United States (13532)

United

The United Arab Emirates <http://rhizomik.net/ontologies/2011/06/iso3166a2.owl#AE>

The United Kingdom <http://rhizomik.net/ontologies/2011/06/iso3166a2.owl#GB>

United States Minor Outlying Islands <http://rhizomik.net/ontologies/2011/06/iso3166a2.owl#UM>

The United States <http://rhizomik.net/ontologies/2011/06/iso3166a2.owl#US>

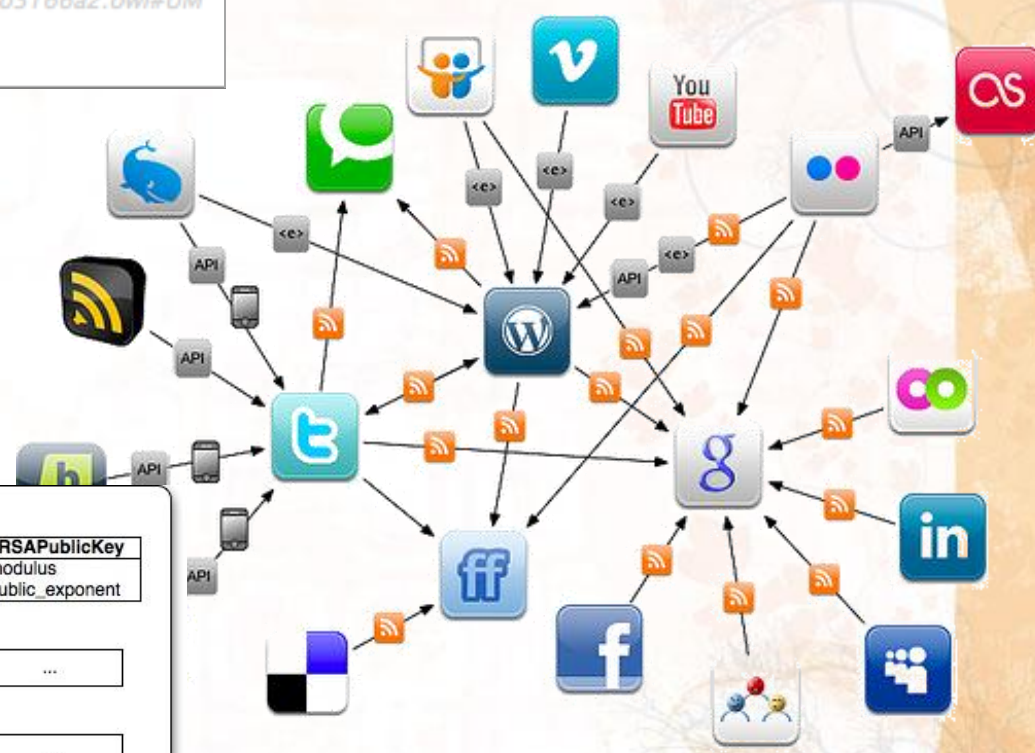
Philippines (1122)

United Kingdom (814)

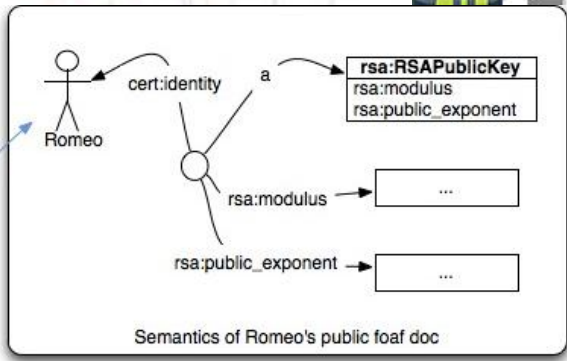
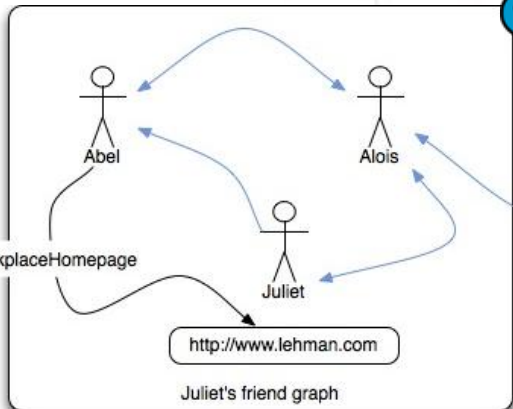
Japan (668)

United States of America (646)

[more values](#)



WebID



<http://www.w3.org/2008/09/msnws/papers/foaf+ssl.html>



Gracias por su atención

Roberto García



<http://rhizomik.net/~roberto/>



Follow @rogargon

Grupo de Investigación en
Interacción Persona Ordenador
e **Integración de Datos**



Centro de Investigación en
Tecnologías para la **Sostenibilidad**
Universitat de Lleida