

High Level intro to Semantic Web

Last update: 2012-02-29

Let's organize a trip from Amsterdam to Aix-en-Provence using the Web!

You try to find a proper flight with ...



Netherlands | [Change country & language](#)

Stel hier uw vraag

Vraag

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[Home](#) [Plan en Boek](#) [Bereid uw reis voor](#) [Flying Blue](#) [KLM Zakelijk](#) [Over KLM](#) [Customer Support](#)

Selecteer uw ticketvoorwaarden



Vluchten

Vlucht: Amsterdam (Schiphol) - **Marseille** (Provence) - **Retour** **EUR 183,76**
per volwassene

Heenreis: ma 9 apr 12 13:55 Amsterdam (Schiphol) - 17:20 Marseille (Provence)
Terugreis: vr 20 apr 12 19:40 Marseille (Provence) - 21:05 Amsterdam (Schiphol)

Ticketvoorwaarden

Heenreis: Amsterdam - Marseille

Economy: Aantrekkelijke Economy Class-tarieven

- Wijzigen is toegestaan tegen een toeslag van EUR 50
- Annuleren is niet toegestaan
- Flying Blue-deelnemers sparen 312 Miles ([meer over Flying Blue](#))

[Meer info](#)

Wijzig ticketvoorwaarden

[Bekijk opties >](#)

Terugreis: Marseille - Amsterdam

Economy: Aantrekkelijke Economy Class-tarieven

- Wijzigen is toegestaan tegen een toeslag van EUR 50
- Annuleren is niet toegestaan
- Flying Blue-deelnemers sparen 187 Miles ([meer over Flying Blue](#))

Wijzig ticketvoorwaarden

[Bekijk opties >](#)

Uw selectie

Gezocht

Van Amsterdam
(Schiphol)
Naar Marseille
(Provence)

1 volwassene
Economy

Geselecteerde data

Heenreis: ma 9 apr 12
Terugreis: vr 20 apr 12

Geselecteerde vluchten

Heenreis: 13:55 - 17:20
(3h25)
Terugreis: 19:40 - 21:35
(1h55)

Klantenservice

[> Contact opnemen met het KLM Service Centre](#)



FLYINGBLUE

Mon espace

Identifiant Flying Blue

Code d'accès

ok

S'inscrire | En savoir plus | Code oublié


[Billet & enregistrement](#)
[Infos vols & aéroports](#)
[Préparer votre voyage](#)
[Classes & confort](#)
[Flying Blue](#)
[Entreprises](#)

Réservation en ligne

[recherche](#)[tarification](#)[réservation](#)[paiement](#)[confirmation](#) Masquez le détail de votre voyage

Votre vol aller : Amsterdam - Marseille

 Lundi 9 avril 2012

AF8281 - Economy

09:20

Amsterdam, Schiphol (AMS) - Pays Bas

11:20

Marseille, Provence (MRS) - France - Terminal 4

Effectué par : K L M

Classe de réservation : N

Appareil : Embraer 190

durée : 02h00mn Sans escale

Repas servi(s) à bord : Collation

Franchise : 1 bagage autorisé de 23 kg maximum

Votre vol retour : Marseille - Amsterdam

 Vendredi 20 avril 2012

AF8288 - Economy

19:40

Marseille, Provence (MRS) - France - Terminal 3

21:35

Amsterdam, Schiphol (AMS) - Pays Bas

Effectué par : K L M

Classe de réservation : R

Appareil : FOKKER70

durée : 01h55mn Sans escale

Repas servi(s) à bord : Collation

Franchise : 1 bagage autorisé de 23 kg maximum

Votre voyage

Votre vol aller

Amsterdam - Marseille

09/04/12 - 09:20

Votre vol retour

Marseille - Amsterdam

20/04/12 - 19:40

Passagers :

1 Adulte

Montant total : **188,24 €**

The French sister

 Retrouvez toutes les informations sur le poids, le nombre de bagages autorisé ou le prix d'un supplément bagage dans la rubrique Préparation voyage > Bagages.

RYANAIR.COM

Search » Select » Services » Payment » Itinerary

Here are the flights and fares available on the requested date(s).

1. Select the flight of your choice.
2. Click on the fare name to see the fare rules.

Going Out From Eindhoven to Marseille MP2[« Previous Day](#)[Next Day »](#)

Fri , 06 April 2012 low fares available	Sat , 07 April 2012 low fares available	Sun , 08 April 2012 low fares available	Mon , 09 April 2012 low fares available	Tue , 10 April 2012 low fares available	Wed , 11 April 2012 low fares available	Thu , 12 April 2012 low fares available
---	---	---	---	---	---	---

Select A Flight

Sorry, there are no available flights departing on the 09 April (Monday)
This may be because:

1. The flight you have chosen is full
2. The route selected has not yet commenced operation, please [click here](#) to view our new route start dates
3. The travel dates requested are for our next schedule period and the fares/seats are yet not loaded for these dates
4. There may not be a flight scheduled for this day of the week
5. There are advance purchase restrictions on flights TO and FROM the following airports: Tallin, Riga, Kaunas, Vilnius and on the Palma-Madrid-Palma route
Please call our [reservation centre](#) for assistance
6. All flights TO and FROM Berlin Schonefeld Airport will operate to/from Berlin Brandenburg Airport from 3rd June 2012

Please check our timetables at [Ryanair.com](#) or check the previous or next day's flight availability.**Coming Back From Marseille MP2 to Eindhoven**[« Previous Day](#)[Next Day »](#)

Tue , 17 April 2012 low fares available	Wed , 18 April 2012 low fares available	Thu , 19 April 2012 low fares available	Fri , 20 April 2012 low fares available	Sat , 21 April 2012 low fares available	Sun , 22 April 2012 low fares available	Mon , 23 April 2012 low fares available
---	---	---	---	---	---	---

Select A Flight

You have to find a hotel, so you can
look for...



VILLA GALlici AIX-EN-PROVENCE

- HOTEL
- PHOTOGALLERY
- ROOMS
- SUITES
- RESTAURANT
- MEETING & INCENTIVE
- SPECIAL EVENTS
- PACKAGES
- GUEST COMMENTS
- CONCIERGE TIPS
- OFFICIAL RATES
- MAP AND CONTACTS

A luxury hotel

Arrival date **02/29/2012**



Nights **1**

Adults **1**

BOOK NOW

Home » Hotel

Share



The French grandeur moved to Aix-en-Provence

Under the first Cézaune once known, the Villa Gallici Hotel 18th century Provencal house member of Relais et Châteaux

PHOTOGALLERY



Hostel Traveler.com



Aix En Provence Hotel and Travel Information



Book Now

Rates from €73 - 95

Book Now

Hotel De France
reservations with low online rates. Check rates and availability instantly online, and book this Aix En Provence hotel now.

Hotel De France Aix En Provence, France

63 Rue Espariat
Aix En Provence, France
13100

Located in the heart of Aix en Provence, the Hotel de France will offer you all the pleasures of an old hotel, in a original district.

★★★★☆ **User Rating: 3.7** [Read 1 user review](#) [Write a review](#)

Property type: **Hotel** ★★ 27 guest rooms/units

Click on photo to enlarge



[hide map](#)

- Find more places:**
near Hotel De France
- [Find nearby accommodation](#)
 - [Find tourist spots](#)
 - [Find other places of interest](#)
 - [Find geographic places](#)



Welcome

Travelers

Popular Hostels

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Cheapest Hostels

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A cheap alternative

Contact et réservation
Tél. +33 (0)4 42 27 36 00

HOTEL ARTEA ★★
AIX EN PROVENCE

AMBIANCE CHAMBRES TARIFS SEMINAIRES

> Conseiller ce site à un ami

RESERVATION EN LIGNE

DATE D'ARRIVEE

29 Février 2012

Or a nice, intermediate solution

Zoom x1 x2 x3



Parking sur réservation par téléphone

Quiétude, ambiance
Des chambres douces, spacieuses et lumineuses (de la single à la quadruple) idéales pour des nuits tranquilles. Cache décor épuré, confort absolu, tout équipé pour le bien-être. Chauffage central, climatisation, télévision à écran plat, téléphone direct, minibar, service.

Une fois le seuil de cette belle demeure passé, la vie aixoise s'offre à vous... A deux pas, le centre historique avec ses cafés et restaurants en terrasse, ses allées de platanes, le Grand Théâtre de Provence et Le Pavillon Noir (Ballet Preljocaj) qui vous plongent au cœur des plus grands festivals de danse et d'art lyrique.



OFFRES SPÉCIALES ACCÈS CONTACT

Of course, you could decide to trust a specialized site...



City, hotel name, etc. SEARCH

Aix-en-Provence Hotels

- Home Aix-en-Provence Hotels Flights Vacation Rentals Restaurants Things to Do Best of 2012 More Write a Review

Home > Europe > France > Provence > Bouches-du-Rhone > Aix-en-Provence > Aix-en-Provence Hotels

Aix-en-Provence Hotels

What style of hotel do you prefer?

Grid of filter buttons: All Hotels (68), Best Value (6), Romantic (12), Family (12), Luxury (9), Business (7), Trendy (5), Vacation Rentals (25), B&Bs (29)

Check availability

Check-in mm/dd/yyyy, Check-out mm/dd/yyyy, Adults 2, Search button

Special offers in Aix-en-Provence

- La Charlotte Aix en Provence Special offer Complimentary bottle of wine
Hotel Cezanne Special offer 50% off room rate

Hotels travelers recommend

68 of 68 hotels shown. Sorted by Ranking. List view | Large map

La Maison d'Aix \$402 - \$803* Ranked #1 of 68 hotels in Aix-en-Provence

Search by location

Search by address or point of interest. Map showing Aix-en-Provence area with red location pins. Larger map button. Sponsored by Hampton.

Viewed hotels

Aix Hotel by 3 travelers. Delete all button.



VIND JE REIS

Vertrek vanaf:
Amsterdam (en omgeving), Nederla

Naar:
Aix-en-Provence, Frankrijk

Heen: 9-4-2012 Terug: 20-4-2012

Ik heb slechts voor een deel van mijn reis een hotel nodig

Kamers
1

Volw. 2 Senioren 0 Kinderen 0

ZOEKEN NAAR REIZEN

30 Vlucht + Hotelreizen gevonden voor Aix-en-Provence

ma 9 apr-vr 20 apr, 2 tickets, 11 overnachtingen

SORTEREN OP: **De keuze van Expedia** Prijs Gastenbeoordeling Sterrenclassificatie



Kyriad Mas des Oliviers ★★★★★

Gebied: Aix-en-Provence | [Weergeven op kaart](#)
Kamertype: Standaardkamer, tweepersoons | [Kamer upgraden](#)
Inclusief: Gratis parkeren, Gratis draadloos internet

Verblijf 3 nachten en krijg de laatste nacht gratis!

2,9 van 5
8 beoordelingen

Vlucht (2-tickets) € 370
Hotel (11 overnachtingen) € 763
aanbieding € 554
Pakketvoordeel -€ 19
Totaal € 905



Amsterdam (AMS) 17:05 → Marseille (MRS) 19:00
Air France Vlucht 8289 verzorgd door KL /KLM CITYHOPPER FOR KLM ROYAL DU
Zonder tussenstop 1uur 55m



Marseille (MRS) 19:40 → Amsterdam (AMS) 21:35
Air France Vlucht 8288 verzorgd door KL /KLM CITYHOPPER FOR KLM ROYAL DU
Zonder tussenstop 1uur 55m

»Vluchten wijzigen

€453

Nog maar 2 reizen over voor deze prijs!

Per persoon, omvat vlucht + hotel, belastingen & toeslagen

SELECTEER & DOORGAAN



Hotel Le Pignonnet ★★★★★

4,5 van 5

Vlucht (2-tickets) € 370

You may want to know something
about Aix-en-Provence:
look for some photographs...

Search Photos Groups People

Everyone's Uploads aix-en-provence

SEARCH Full Text | Tags Only Advanced Search

Sort: Relevant Recent Interesting

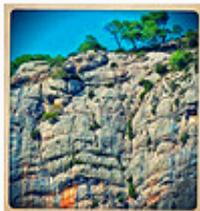
View: Small Medium Detail Slideshow



From luca131313



From luca131313



From akari.eiri



From Saint...



From Magali...



From Magali...



From Magali...



From Magali...



From Magali...



From Magali...



From Magali...



From Magali...



From Magali...



From Magali...



From Magali...



Groups more...

- AIX EN PROVENCE !**
355 members | 3,083 photos
- Provence (France)**
2,426 members | 32,919 photos

Photographers more...

- RedCactus Poker**
See related photos
- ell brown - Birmingham, United Kingdom**
See related photos

Tag Clusters

- Photos with tags like **france, provence and aix**
- Photos with tags like **nuit, night and**

Looking to license a photo?

Looking to license an image? You can search through the treasure trove of Flickr members enrolled in the Getty Images Program.

Places more...

aix-en-provence



Sign in

Search

About 12,100,000 results (0.23 seconds)

SafeSearch



Everything

Related searches: [aix en provence france](#) [aix en provence fountains](#) [aix en provence map](#) [aix en provence market](#) [aix en provence cezanne](#)

Images

Maps

Videos

News

Shopping

More

All results

By subject

Any size

Large

Medium

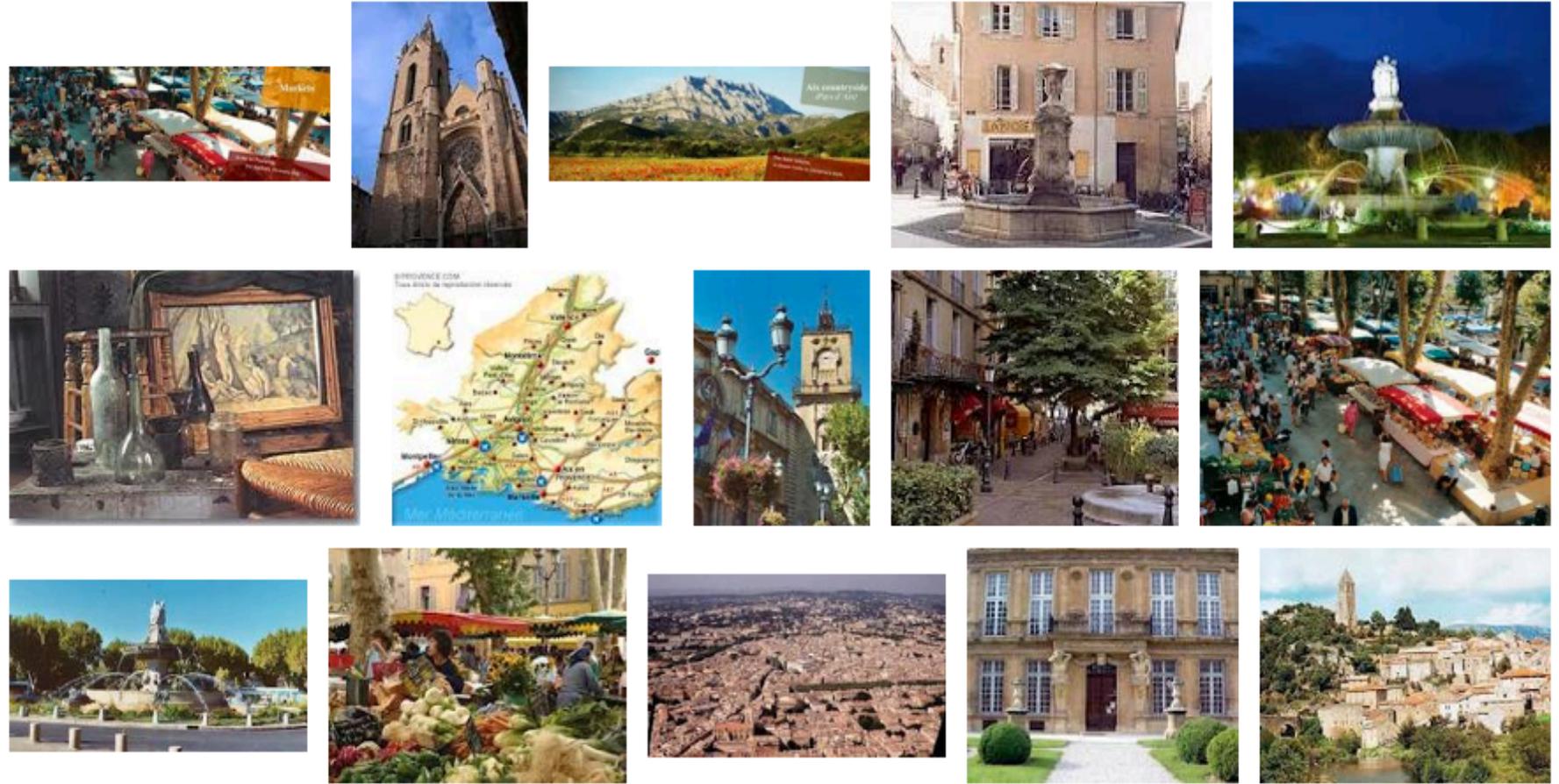
Icon

Larger than...

Exactly...

Any color

Full color



Aix-Photo.com

Aix-en-Provence Fontaines Jardins & Parcs Aix Moderne

Aix-en-Provence, le Vieil Aix



Aix —

(148 photos)

[\(back to the photo index page\)](#)

Click a picture to see a larger view. You can navigate among pictures with the arrow keys or the explicit links.



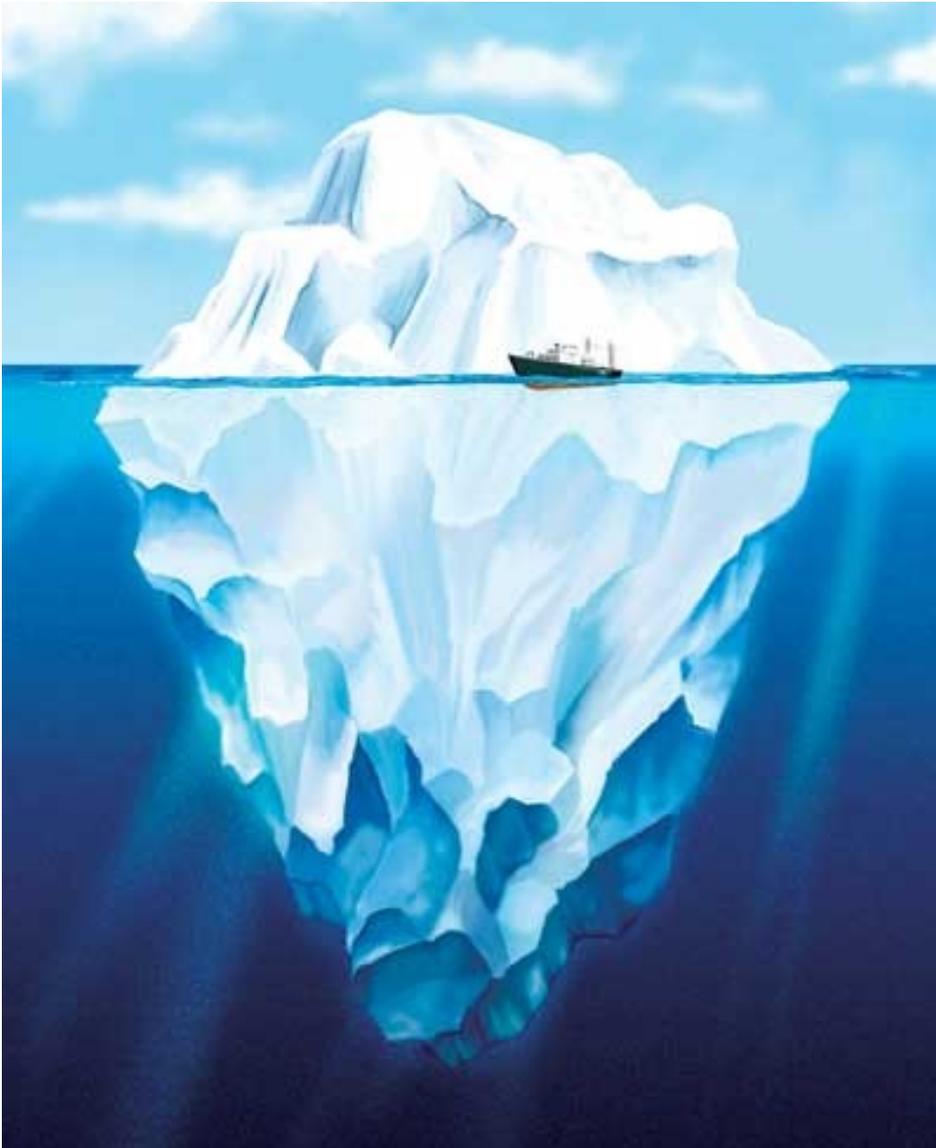
These are mine... 😊



What happened?

- ▶ You had to consult a large number of sites, all different in style, purpose, possibly language...
- ▶ You had to mentally integrate all those information to achieve your goals
- ▶ We all know that, sometimes, this is a long and tedious process!

The real “meat” is the data!



- ▶ All those pages are only tips of respective icebergs:
 - the real data is hidden in databases, XML files, Excel sheets, ...
 - you only have access to what the Web page designers allow you to see

- ▶ Specialized sites (Expedia, TripAdvisor) do a bit more:
 - they gather and *combine data* from other sources (usually with the approval of the data owners)
 - but they still control how you see those sources
- ▶ But sometimes you want to personalize: access the original data and combine it yourself!

Another example: social sites. I have a list of “friends” by...

Filter Connections

Select: All, None

Tag

Search input field with magnifying glass icon

All Connections (565)

Manage

- Tags
- partners (227)
- colleagues (143)
- friends (41)
- group members (22)
- classmates (3)
- untagged (136)

- Last Name
- Companies
- Locations
- Industries
- Recent Activity

- A
-  **Abramatic, Jean-François** 339
Director - IBM
 -  **Adida, Ben** 432
Tech Lead - Mozilla Corporation
 -  **Alonso, José Manuel** 455
Member of the Nominating Committee (NomCom) - ICANN
 -  **Alvarez Espinar, Martin** 217
eGovernment Consultant - Fundacion CTIC
 -  **Amin, Alia** 304
Sr. User Experience Specialist - Elsevier
 -  **Apt, Krzysztof** 184
Professor - CWI and University of Amsterdam
 -  **Arbab, Farhad** 288
Professor - Leiden University

colleagues

Send message

Members: 143





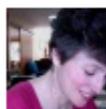
- Wall
- Info
- Photos (10)
- Notes
- Friends**
- Subscriptions

Married to



Éva Bóka

Friends (359)



Janet Daly



Eyal Oren
Vrije Universiteit...



Reho White

Ivan Herman ▸ Friends

Search by name Type a friend's name



Ádám Veszteg

Pénzügyi vezető at For-Vid Kft

✓ Friends



Alain Mille

✓ Friends



Alan Ruttenberg

✓ Friends



Aldo Gangemi

Senior Researcher at C.N.R. - I.S.T.C.

✓ Friends



Alexander Falk

Works at Altova, Inc.

✓ Friends



Alexander Wahler

Works at Seekda

✓ Friends



Alexandre Bertails

Works at World Wide Web Consortium

✓ Friends



Alexandre Passant

CEO & Founder at Seevl

✓ Friends

Friend Requests

See all ✕



Johannes La Poutre

5 mutual friends

Confirm friend

Sponsored

✕



Search Google+



Ivan Herm... 2 + Share

CREATE CIRCLE

Your circles (264)

- Friends
- Family
- General IT People
- W3C Team
- Semantic Web People
- Amsterdam
- More ▾

Have you in circles
Find people

Your circles (264)

Relevance ▾ More ▾ Type a name

+ Add a new person

Eva bóka
eva@eva-boka.na...

Christophe Guéret

Michael Hausenblas

Richard Ishida

M. Scott Marshall

Manu Sporny

Cameron Neylon

Michael Smith

The Semantic Web

Shelley Powers

Danny Ayers

Thomas Rössler

Web of Data

Julian Reschke

Drag people to your circles to follow and share

Drop here to create a circle

Friends 20

Family 1

General IT People 67

W3C Team 26

Semantic Web People

Amsterdam

CWI Team

IW3C2

Around W3C

Send feedback



Dr Herman Iván

Névjegy oldala •

iwiw.hu/herman.ivan

Publikus adatlapom módosítása

Adatlap

Képek

Hírfolyam

Ismerősök

Klubok

Alkalmazások

Vélemények ▾

(1) Ács K - Deván ▾

1 2 3 4 5 6 7 ▶ ▶▶



Ács Katalin

57 éves
Budapest

Andréka Béla

58 éves
Budapest

Balassa András

53 éves
Budapest

dr. Bárdos Katalin

[volt/van, _]
Budapest

Bárdossy András

58 éves
Stuttgart

Barna Imre

Budapest



Bertalan Vera [Szoke]

Budapest



Bessenyei József

62 éves
Balatonmárfiafürdő

dr. Biro Eszter

49 éves
Budapest

Keresés az ismerősök között

Összes ismerős: 112 ismerős
Találatok: 112 ismerősKeresés: Nem: Nő FérfiKor: -

Keresés



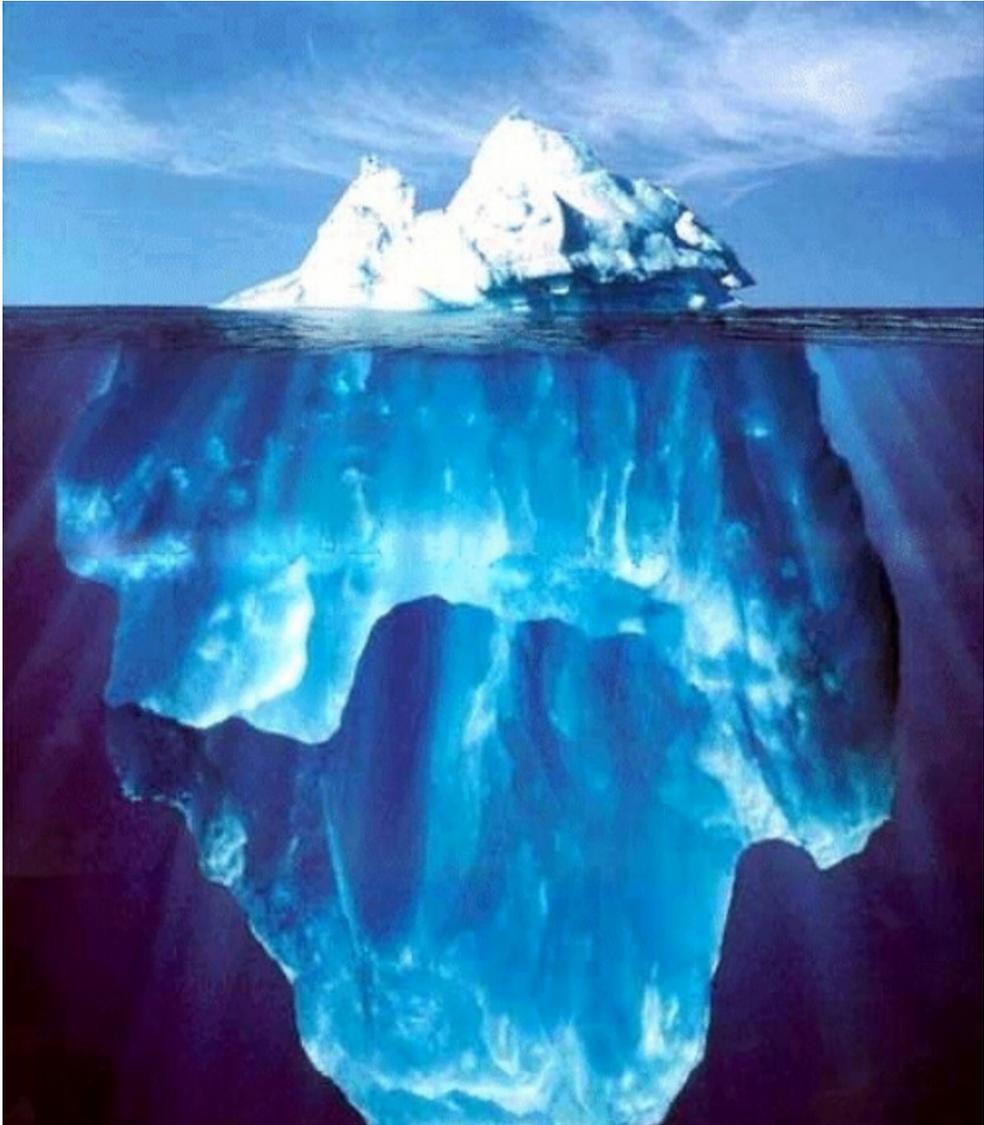
Alkalmazásaim ▾

Kedvenceim ▾



Chat ▾

and it gets boring...



- ▶ I have to type the same data again and again...
- ▶ And this is even worse: I feed the icebergs... 😞

What would we like to have?

- ▶ The *raw data* should be available on the Web
 - let the community figure out what applications are possible...

But wait! Isn't what mashup sites are already using?



See where office travel dollars are going

Start your free trial of Triplt for Business

Ivan Herman | Apps | Add a trip | Support

Home Tripts Network Point Tracker Triplt Pro Business

Share your trips



WWW2012

Apr 13 - Apr 24, 2012 - Lyon, France
Marseille, France

Details

Map

Share

Print

Edit

Export to calendar

Get a link

Add plans

More

Itinerary: Expand | Collapse

Fri, Apr 13

Marseille, France - Avg: Hi 17°C / Lo 7°C

+ Add Plans

17:05

Amsterdam (AMS) to Marseille (MRS)

Options

CEST

KLM Royal Dutch Airlines 1409 - Conf # 43Z6TT

Aircraft Fokker 70

nonstop 1h, 55m 985 km - Get seating advice

Depart: Amsterdam (AMS), 17:05 CEST

Arrive: Marseille (MRS), 19:00 CEST

Booking Information

Booked on 7/2/2012

Reference #: 43Z6TT

People and sharing

Update

People

Travelers: Ivan Herman

Non-travelers: None.

Social networks

Triplt Contacts and LinkedIn

This trip is not private. Change

Advertisement

Sat, Apr 14

Marseille, France - Avg: Hi 17°C / Lo 7°C

+ Add Plans

Sun, Apr 15

Marseille, France - Avg: Hi 17°C / Lo 8°C

+ Add Plans

14:59

SNCF TGV from Aix-en-Provence to Lyon

Options

Yes, and it shows the power of
accessing data directly!

but...

- ▶ Mashup sites are forced to do very ad-hoc jobs
 - various data sources expose their data via Web Services, API-s
 - each with a different API, a different logic, different structure
 - mashup sites are forced to reinvent the wheel many times because there is no standard way getting to the data! ☹

What would we like to have?

- ▶ The raw data should be available *in a standard way* on the Web
 - i.e., using URI-s to access data
 - dereferencing that data should lead to something useful

Why is that so important?

- ▶ What makes the current (document) Web work?
 - people create different documents
 - they give an address to it (i.e., a URI) and make it accessible to others on the Web



The Internet Guide to Amsterdam

Contents

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Designed to be printed out and taken with you.

Written by [Steven Pemberton](#), CWI, Amsterdam, and Astrid Kerssens, Amsterdam.

Linked to by more than 450 other sites; more than **3,500,000** grunted readers!

The top [Amsterdam travel guide](#) according to [Google](#). If you know [how Google works](#), you know that that says something about this site!

See also [London](#).

A Review of this Guide

The Internet Guide To Amsterdam:

[WebUser Gold Award](#)

Rating: ★★★★★

Reviewed By: Jane Hoskyn

Sometimes, it's the simple things in life that make your heart skip a beat.

This is especially true when you're abroad and you need a guide that loads really fast on your mobile phone or PDA (check), doesn't involve clicking from page to page to find what you want (check), isn't written in fluffy tourist-board-speak (check), has all the links you need and none of the ones you don't (check), and is put together by someone who loves your destination and knows it better than the insides of his own eyelids (check). Step forward Steven Pemberton, creator of this exemplary guide to having a damn good time in the 'Dam.

Introduction

Amsterdam is an unusual city in that it has all the advantages of a big city – culture, history, food, entertainment, good transport – with relatively few of the disadvantages: it is physically small, beautiful, relatively quiet, and largely thanks to the canals, has relatively little traffic.

This guide tells you something about Amsterdam in the hope that it will improve your enjoyment while here.

Time

Amsterdam time in the summer is two hours ahead of GMT, one hour in winter; when daylight saving time is in operation the sun is at its highest point at around 13:40 (which makes for long evenings: since Amsterdam is very far West in its time zone, in mid-Summer the sky is still light as late as 11 in the evening).

In the dead of winter, the sun rises at 8:40 and sets at 16:30; in the height of summer it rises at 5:20 and sets at 22:05

Amsterdam is a late city: many shops don't open until 10 in the morning, and bars and cafés stay open till 1 or 2 in the morning.

Weather



Then some magic happens...

- ▶ Others discover the site and they link to it
- ▶ The more they link to it, the more important and well known the page becomes
 - remember, this is what, eg, Google exploits!
- ▶ This is the “Network effect”: some pages become important, and others begin to rely on it even if the author did not expect it...

WWW9 Organizers

May 15-19, 2000, Amsterdam

- WWW9 HOME
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CONTACT US

WWW9 Conference Committee

Conference Co-Chairs:

- Ivan Herman, CWI, The Netherlands
- Albert Veza, CNRI, USA

Program Committee Chair:

- Dick Bulterman, Oratrix, The Netherlands

Program Committee Vice Chair:

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Content and Coding

Hypermedia

Performance

Browsers and Tools

- [Ann Bassetti](#), Boeing, USA
- [Stephan Fischer](#), Technical University, Darmstadt, Germany
- [Lynda Hardman](#), CWI, The Netherlands
- [Arun Iyengar](#), IBM Research, USA
- [Hannes Marais](#), AltaVista Company, USA

This could be expected...



See **Getting Around** below to get to the hotel, and read our [Packing Tips for Amsterdam](#).

Amsterdam Sights And Maps

An annotated [Google Map around the Moevenpick](#) is available. NOTE: there has been significant construction since the Google satellite images were taken!

The comprehensive description of sights Amsterdam has to offer is available at Steven Pemberton's website <http://homepages.cwi.nl/~steven/amsterdam.html>.

David Reid has hosted a [Feathercast Podcast](#) about visiting Amsterdam for Apachecon.

Walking in Amsterdam

Reminder: bicycles and trams are major transportation options in Amsterdam. When walking on most streets, be sure to stay on the sidewalk. There will often be a narrow red roadway with a dashed line; this is only for bikes and mopeds. Then there will be one or more lanes for cars. Then there will also be a set of tram tracks. This makes for interesting sets of stoplights (cars, bikes, trams, and crosswalks).

Getting Around / Getting to the Hotel

This may not be the best way to get from the airport to the hotel and back, but it'll do the job. We definitely recommend taking the train to Centraal, since a cab to the hotel is 37EUR.

- Get the train from Amsterdam Schiphol to Amsterdam Centraal. Don't get a return (unless you're going back the same day). A single should cost you c. 3.60EUR. Note there are various Train Ticket machines that may accept your credit/debit card. To pay with cash, go to the station entrance itself (at edge of airport) and go to a human teller; there is a .50EUR fee for this per ticket.
- (EITHER) When you get to Amsterdam Centraal, get a ticket for the local transport - [mostly trams](#) - by GVB. You can get day passes from the GVB Tickets & Info place in the station (or at the machines, as long as you don't want a 96h one) - 24h->7EUR; 48h->11.50EUR; 72h->14.50EUR; 96h->17.00EUR. If you don't think you'll use that much transport, get a "strippenkaart". Travelling with the strippenkaart "costs" one strip per journey, plus one strip per zone. So a 1-zone journey is 2 strips, a 2-zone journey is 3 strips etc. Costs are 2-strip->1.60EUR; 3-strip->2.40EUR; 8-strip->6.40EUR (this also works as a day ticket, but I'm not sure how); 15-strip->10.90EUR; 45-strip->20.40EUR
- That's the hard part over! Exit Centraal Station and walk all the way down to the end of the station (to your left, if your back is to the station). This is the side towards the buses and trams; if you are facing a "large" canal, you're on the wrong side of the station (there's a small canal right behind the bus/tram stops that - look for cars!).
- The line for Tram 26 should be the one nearest to the station, at this end. If it's not, you've gone the wrong direction 😊
- Get on Tram 26 (it only goes one direction past here - IJburg), and stamp your card (2-strips, if it's a strippenkaart). Go one stop, to the [Musiekgebouw](#), and alight.
- Cross the tram lines, then the bike path, and walk down a bit to your right, until you find a [black arched pedestrian bridge](#). Go over the bridge, down the steps to your left, and double back underneath the bridge - you're at the hotel!
- **(OR) Walk!** In this case, the easiest way is to go out of Centraal to the north, through the construction, and facing the large canal. Walk straight across the major street alongside the canal (wait for the light).
- Turn right, so you are heading east; keep the large canal on your left. Walk along the canal until you come to a very wide and long bridge sloping gently upwards.

But this was not planned!

Network effect on the data

- ▶ *The same network effect works on the raw data*
 - Many people link to the data, use it
 - Much more (and diverse) applications will be created than the “authors” would even dream of!

Is that it?

le: let's publish the data on the Web
and we are done?

Not quite...



We do not want that!

Imagine...

- ▶ A “Web” where
 - documents are available for download on the Internet
 - but there would be no hyperlinks among them
- ▶ This is certainly not what we want!

CoCoDat - Collation of Cortical Data - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.cocomac.org

CoCoMac DATABASES SORT EXAMPLES

CoCoDat: Collation of Cortical [Soma and microcircuitry] Data

CoCoDat is a microcircuitry database that collates published experimental reports. The data include morphology (cellular compartment), as well as the following properties:

- Morphology
- Firing properties
- Ionic currents
- Ionic conductances
- Synaptic currents
- Connectivity

The database is available for download of the data tables but also a Search Board with manual or automatic relaxation of the search criteria.

- Brain region
- Layer
- Neuron type

http://www.cocomac.org/cocodat/catalyzer/index.html

Cell Centered Database - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://ccdb.ucsd.edu/sand/main?event=gallery&action=show&display=

Cell Centered Database™ Gallery

National Center for Microscopy and Imaging Research

Data | Search | Gallery | Dictionary | Publications | MyCCDB | Data Download | Contact us | Help

2D image Reconstruction Segmentation Animation

by 23
D:
e: 071202td
e:
D: P1188
ct Brain Maps
e:
ct Tom Deerinck
r:
nt BioRad RTS 2000MP
d: Multiphoton
n: montage of cerebellar cortex triple labeled for Hoescht stain (blue), IP3 receptor (green) and GFAP (red)

Z PIP logged out

NeuronDB = Thalamic relay neuron - Overview (A) () - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://senselab.med.yale.edu

NeuronDB

Thalamic relay neuron

Back

Mode: **Overview** Data/Search plus Connectivity plus Classical References/Notes Models

Region: **Distal equivalent dendrite** Middle equivalent dendrite Proximal equivalent dendrite Soma Axon hillock Axon fiber Axon terminal All Compartments

Properties: **Receptors** Channels Transmitters **All Properties**

Interoperation: **Gene and Chromosome** Experimental Data (neurodatabase.org) Microscopy Data (CCDB)

Neuron type: principal
Organism: Vertebrates

1. Equivalent dendrite [Show other](#)
2. Distal equivalent dendrite [Show other](#)
3. Middle equivalent dendrite [Show other](#)
4. Proximal equivalent dendrite [Show other](#)
5. Soma [Show other](#)

Done

Z PIP logged out

What would we like to have?

- ▶ The raw data should be available in a standard way on the Web
- ▶ *There should be links among datasets*

Some relationships already exist among the datasets!

Aix-en-Provence - Wikipedia, the free encyclopedia

en.wikipedia.c

Delicious LocalData TR 2012 My Mercurial Validation

W Aix-en-Provence - Wikipedia, t...

34. [^] "Association of twinnings and international relations of Aix-en-Provence" [Aix-jumelages.com](#). Retrieved 15 April 2010.
35. [^] "Mairie of Aix-en-Provence – Twinnings and partnerships" [\[dead link\]](#)
36. [^] "Acordos de Geminção" [\[in Portuguese\]](#). © 2009 Câmara Municipal de Coimbra [\[in Portuguese\]](#) – Praça 8 de Maio – 3000-300 Coimbra. Retrieved 25 June 2009.
37. [^] Perugia Official site – Relazioni Internazionali [\[Italian\]](#)
38. [^] Jessula, Georges (2003). "Darius Milhaud, Compositeur de Musique" [\[in French\]](#). *Revue Juive*: 140–144 Since their marriage in 1892, Milhaud's parents lived in the *Bras d'Or* in Aix-en-Provence, where their son grew up; however he was delivered at the home of his maternal grandparents in Marseille.
39. [^] Milhaud, Darius (1998). *Ma Vie heureuse*. Zurich. ISBN 2-87750-083-7
40. [^] FullSIX (22 December 1972). "Franck Cammas – Profile" [\[in French\]](#). Cammas-groupama.com. Retrieved 22 May 2009.

- Busquet, Raoul (1954). *Histoire de la Provençade des origines à la révolution française*. Editions Jeanne Lafitte. ISBN 2-86276-319-5
- This article incorporates text from a publication now in the **public domain**: Chisholm, Hugh, ed. (1911). *Encyclopædia Britannica* (11th ed.). Cambridge University Press.
- INSEE [\[in French\]](#)

External links [\[edit\]](#)

- Aix en

 Wikimedia Commons has media related to [Aix-en-Provence](#)
- Provence Tourist office website [\[in English\]](#)
- One sheet foldable city guide [\[in English\]](#) available from the Tourist Office
- Festival website [\[in French\]](#)
- Official site of the town Aix-en-Provence [\[in French\]](#)
- Information and photos from ProvenceBeyond website [\[in French\]](#)

V · T · E **Communes of the Bouches-du-Rhône** [\[show\]](#)
department 

Aix-en-Provence visit, photos, travel info and hotels, by Provence Beyond

Delicious LocalData TR 2012 My Mercurial Validation

Aix-en-Provence visit, photos, t...

  **Aix-en-Provence**
Ville d'Art
Villages > Aix-en-Provence

Villages **Sites** **Maps** **Travel** **Hotels** **Gast**

 Aix-en-Provence is the city of art, and a city of light and activ also a home of art schools and several universities, including American, attracting a youthful population that sparks the at
Aix is also ancient: a Celtic-Ligurian capital from the 3rd cent pushed aside for the founding of Aix in 122 BC, as *Aquae Sex* Aix-History].

More: | [Aix-en-Provence History](#) | [Aix-en-Provence Museums](#) |

Also: | [Aix-en-Provence Itineraries](#) |

Nearby: | [Arles 76 km](#) | [Avignon 82 km](#) | [Cadenet 28 km](#) | [Cannes 152 km](#) | [Lourmarin 37 km](#) | [Ma km \(1hr30\)](#) | [Pertuis 20 km](#) | [Saint Maximin 35 km](#) | [Salon-de-Provence 32 km](#) | [Sisteron 102 km](#) | [Vauvenargues 14 km](#) |

Hotels near Aix-en-Provence: | [Aix-en-Provence](#) | [20 km Pertuis](#) | [28 km Cadenet](#) | [31 km Marse](#) | [Saint Maximin](#) | [37 km Lourmarin](#) |

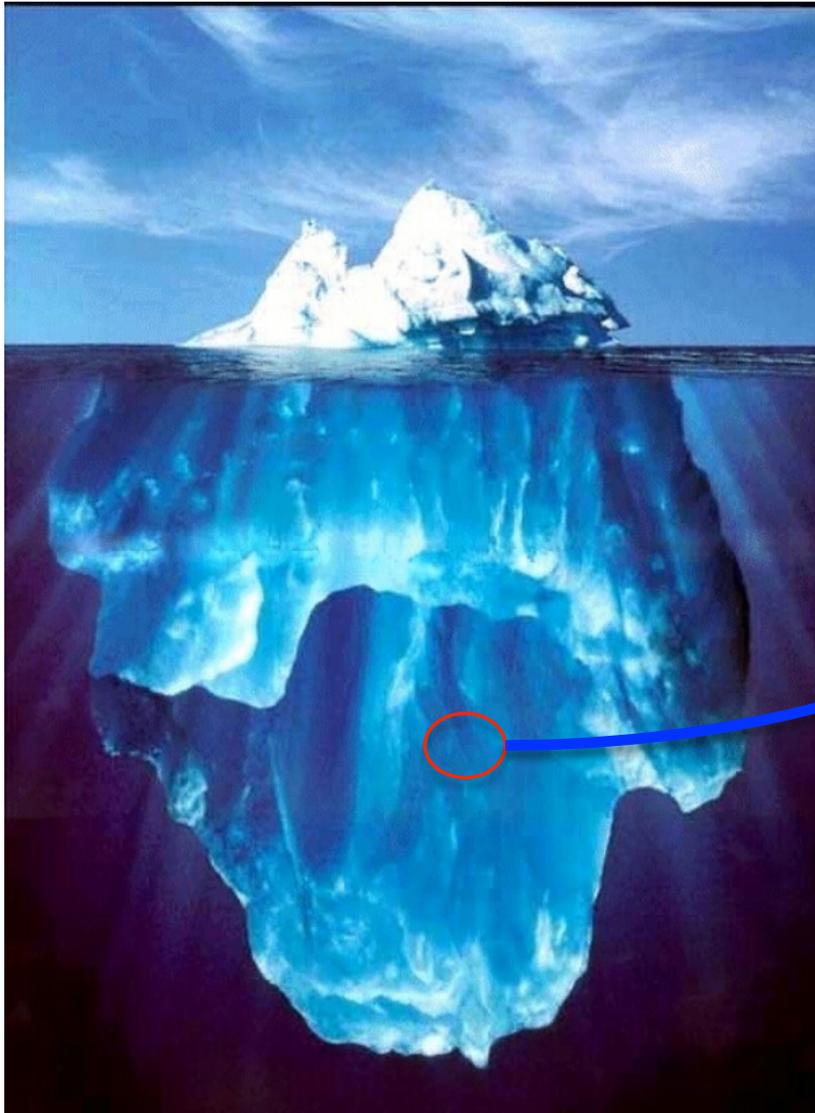
For **pronunciation**, you pronounce the "x", so Aix sounds like ex, as in "X marks the spot". O Aix-en-Pce.

The center of Aix is the old town (vieille ville), ringed by a circle of boulevards and squares. It' but there's way too much to see in one or two days. The medieval Aix was protected by a wall century "Tourreluquo" tower remains, at the northwest corner of the town.

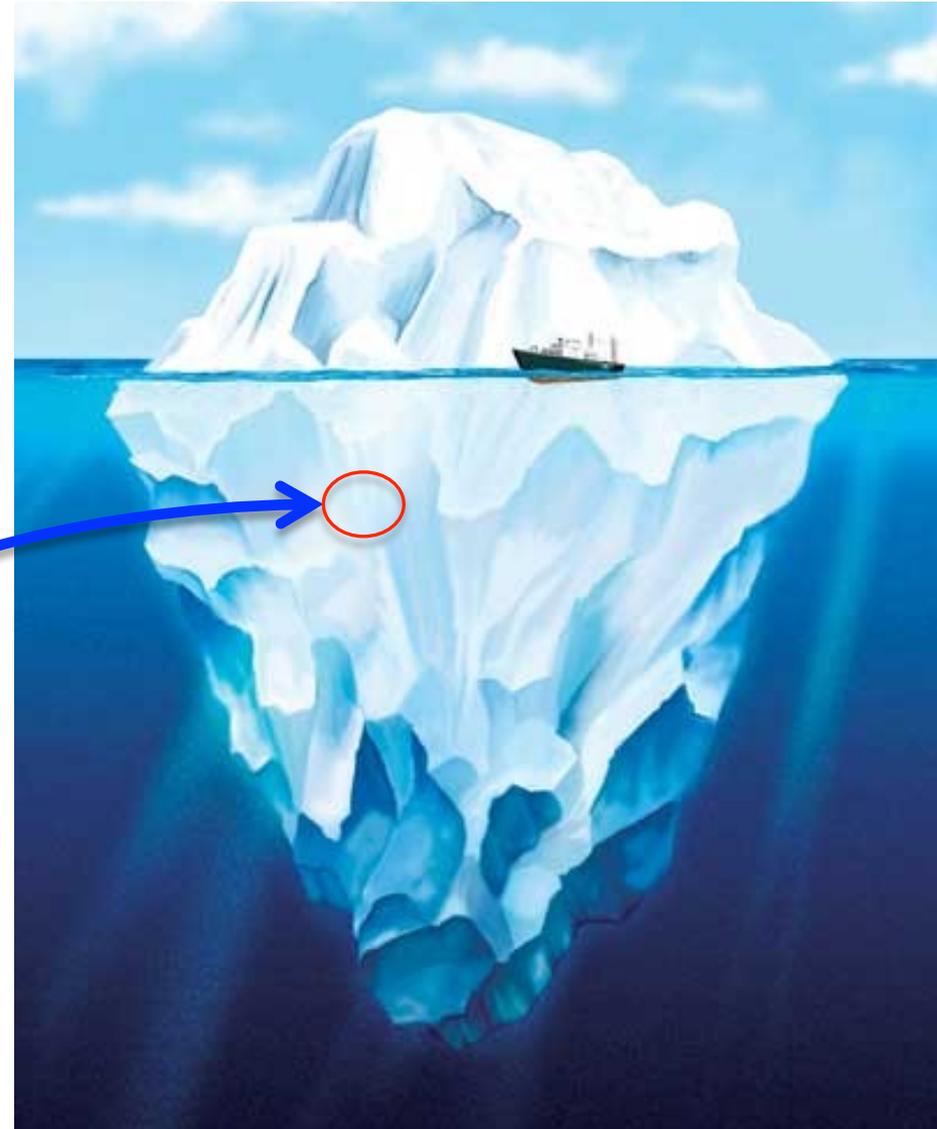
 **Cours Mirabeau** is the center of the center, and the heart tree-lined avenue, with one side lined with wonderful terrac one French sidewalk café outside of Paris, it should be here, and the sidewalk alive. Large plane trees overhang the leng

Some relationships already exist among the datasets!

Aix-en-Provence on Wikipedia



Aix-en-Provence on "Provence and Beyond"



Those relationships should be exposed, too!



We want to link the silos!

Is that it?

le: let's publish the data on the
Web, add HTML-like hyperlinks and
we are done?

Not quite... but almost!

But it is a little bit more complicated

- ▶ On the traditional Web, humans are implicitly taken into account
- ▶ A Web link has a “context” that a user implicitly uses ☹️



Ivan Herman

[My Work at W3C](#) | [Contact information](#) | [Short CV](#) | [Upcoming trips](#) | [Public presentations](#)



My Work at W3C

I am [Semantic Web Activity](#) Lead; that is my main work at [W3C](#). I am member of [IW3C2 \(International World Wide Web Conference Committee\)](#) (the committee coordinating the yearly WWW conference series), serving as a liaison for [W3C](#), and of [SWSA \(Semantic Web Science Association\)](#), the committee responsible for the International Semantic Web Conferences series.

As part of my work, I also participate in lots of outreach activities, and I regularly make presentations, tutorials, etc. You can consult my [list of presentations](#) for further details.

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mobile: [+31-64-1044153](tel:+31-64-1044153)

PGP/GPG:

My [GnuPGP key and signature](#) is available on-line.

FOAF:

You can either extract a short [FOAF information from this page](#), or consult [my more complete, public FOAF file](#).

vCard

A [vCard](#) file, containing my contact data, is also available.

Misc:

I am (of course...) present on a number of online accounts and services, like: [facebook](#) (acc. name [ivan.herman](#)), [LinkedIn](#) (acc. number [2352277](#)), [TriplIt](#) (acc. name [ivan_herman](#)), [Twitter](#) (acc. name [ivan_herman](#)), [Flickr](#) (acc. [ivan_herman](#)), or [Mendeley](#) (acc. name [ivan-herman](#)),

My URI (as a real person): <http://www.ivan-herman.net/foaf#me>.



CWI

Centrum Wiskunde & Informatica

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RESEARCH

THEMES



Centrum Wiskunde & Informatica (CWI) is a scientific research institute specialized in mathematics and computer science, and is located in Amsterdam, The Netherlands. To give focus to our efforts, we concentrate on five broad, societally-relevant themes that align with NWO's strategy:

- Earth sciences and energy
- Life sciences
- The data explosion
- Societal logistics
- Software as service

[read more...](#)

RESEARCH AT CWI

Research within CWI is organised into the

NEWS & EVENTS

NEWS

Veni awarded to Ross Kang for revealing network information 02-02-2012



Ross Kang, researcher at the Centrum Wiskunde & Informatica (CWI) in Amsterdam, received a Veni award from...

[read more...](#)

EVENTS

- **REVERIE Steering Meeting ICT**
26.03.2012 - 13:00
- **Third Workshop on Graphs and Matroids**
29.07.2012 - 00:00

ABOUT CWI

HIGHLIGHT

2012 Alan Turing Year

ALAN TURING YEAR



2012 is the centenary of Alan Turing's birth. Turing made an unique impact on mathematics and computer science. He was the founding father of the computer and of artificial intelligence, and played an essential role in cracking the Enigma code in World War II. CWI will contribute to the Alan Turing Year through a number of events.

CWI NEEDS TALENT!

- **Postdoc in the area of Life Sciences**
Life Sciences
- **2 PhD Students on Interface design**

- ▶ A human understands that this is where my office is, i.e., the institution's home page
- ▶ He/she knows what it means
 - realizes that it is a research institute in Amsterdam
- ▶ But, when handling data, something is missing; *machines can't make sense of the link alone*

▶ New lesson learned:

- extra information (“label”) must be added to a link: “this links to my institution, which is a research institute”
- this information should be machine readable
- this is a characterization (or “classification”) of both the link and its target
- in some cases, the classification should allow for some limited “reasoning”

What would we like to have?

- ▶ The raw data should be available in a standard way on the Web
- ▶ Datasets should be linked
- ▶ Links, data, sites, should be characterized, classified, etc.
- ▶ In future: possibility to write and change data...
 - but that is still further down the line
- ▶ The result is a Web of Data

So What is the Semantic Web?

It is a collection of standard technologies to realize a Web of Data



- ▶ It is that simple...
- ▶ Of course, the devil is in the details
 - a common data model data has to be provided
 - the “classification” of the terms can become very complex
 - data in traditional databases should be reached
 - but these details are fleshed out by experts as we speak!



In the end...



- ▶ More and more data should be “published” on the Web
 - this can lead to the “network effect” on data
- ▶ New breeds of applications come to the fore
 - “mashups on steroids”
 - better representation and usage of community knowledge
 - new customization possibilities
 - ...