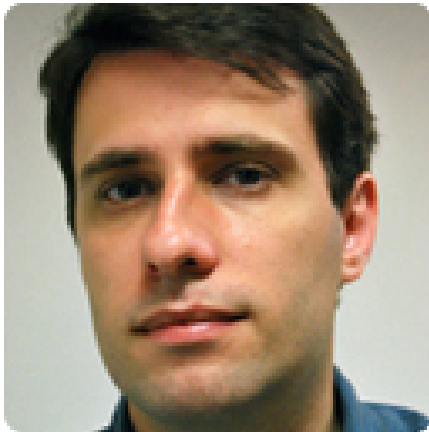




**Open Web and Open data for Development  
Conf-IRM 2013, May 24,  
Natal – RN  
Reinaldo Ferraz – [reinaldo@nic.br](mailto:reinaldo@nic.br)**



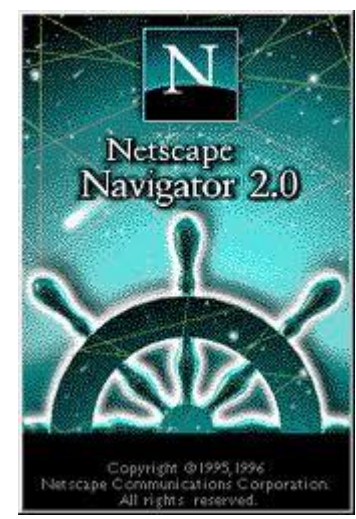
# Reinaldo Ferraz

@reinaldoferraz

*Apaixonado por acessibilidade, usabilidade, padrões web, HTML, CSS, Star Wars e café.*

São Paulo

# YAHOO! GeoCities

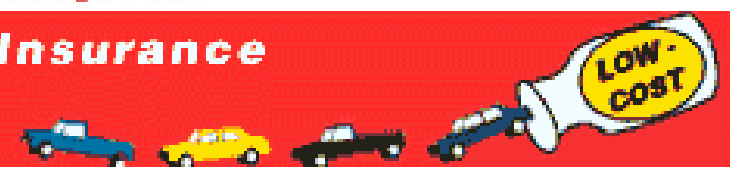


## ALTAVISTA Technology, Inc.

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egi.br

nic.br

GOVERNO

SOCIEDADE CIVIL

- 1
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cgi.br

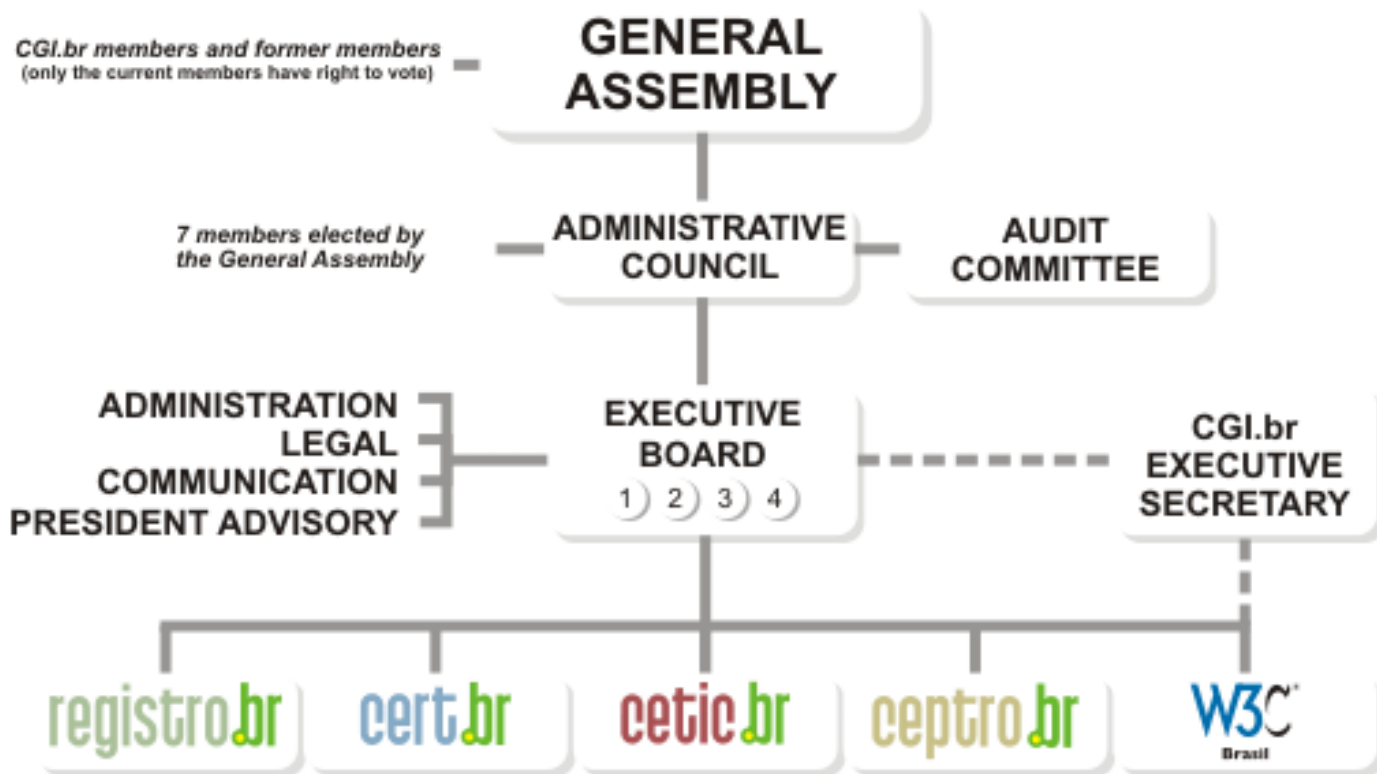
SECRETARIA  
EXECUTIVA  
CGI.br

## The mission of the CGI.br involves certain rights and responsibilities, which include:

- proposing policies and procedures regarding the regulation of Internet activities;
- recommending standards for technical and operational procedures for the Internet in Brazil;
- establishing strategic directives related to the use and development of the Internet in Brazil;
- promoting studies and technical standards for network and service security in the country;
- coordinating the allocation of Internet addresses (IPs) and registration in the <.br> domain;
- collecting, organizing and disseminating information on Internet services, including indicators and statistics.

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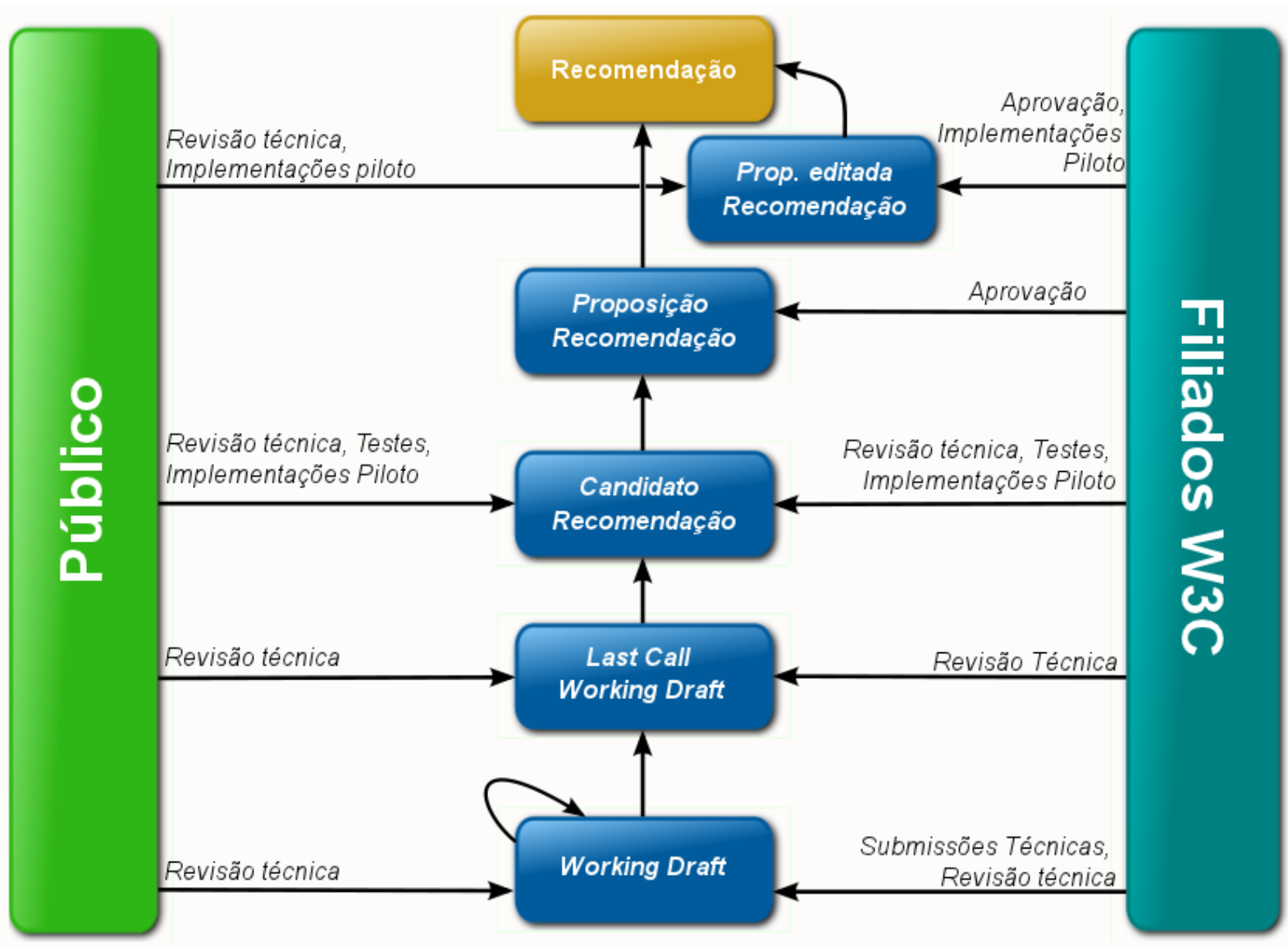


- 1) CEO
- 2) CFO
- 3) CTO
- 4) CPO



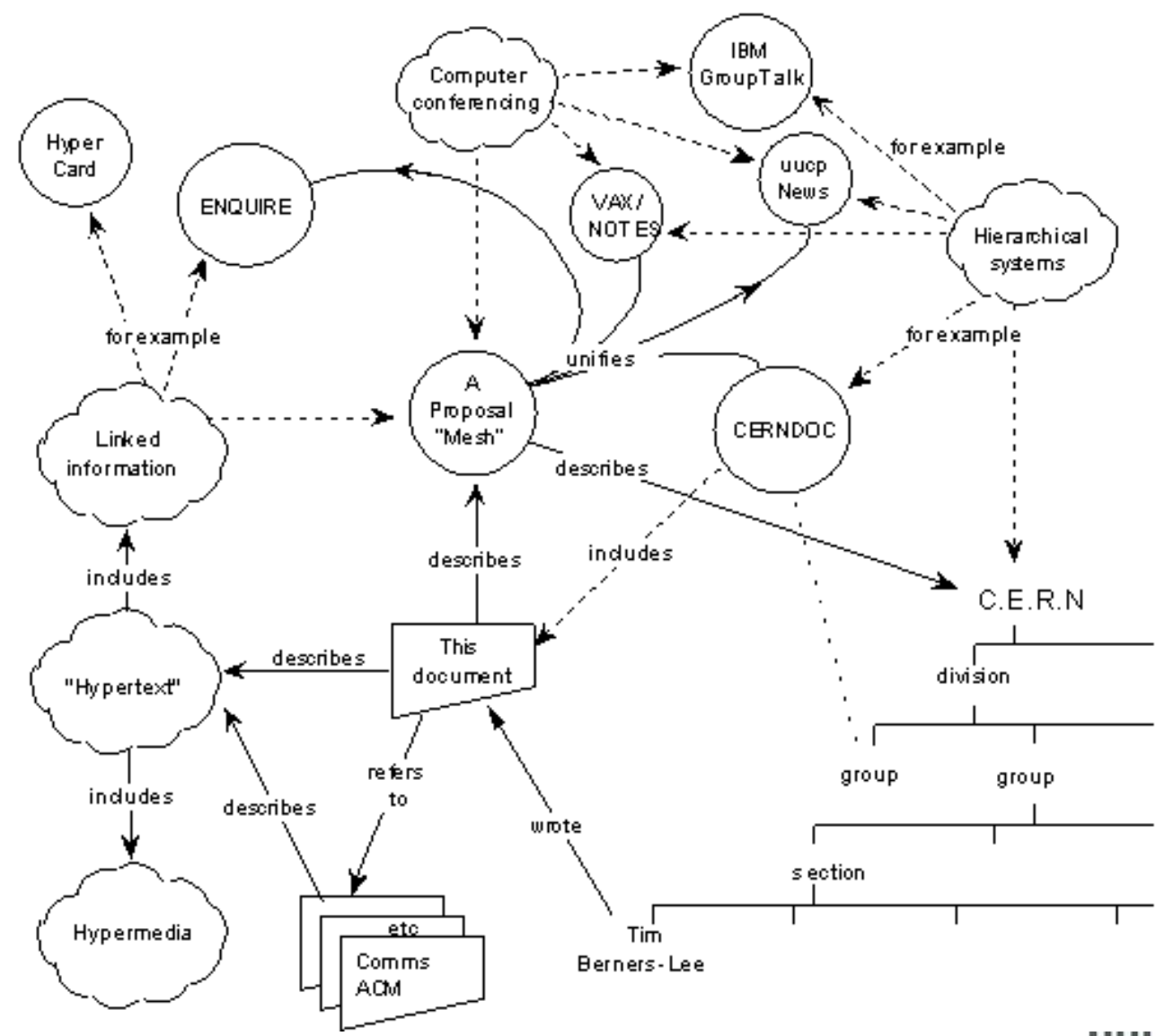


The World Wide Web Consortium (W3C) is an international community where **Member organizations, a full-time staff,** and the **public** work together to develop Web standards.





Led by Web inventor Tim Berners-Lee and CEO Jeffrey Jaffe, W3C's mission is to lead the Web to its full potential by developing protocols and guidelines that ensure the long-term growth of the Web.



# World Wide Web

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#) , [Policy](#) , November's [W3 news](#) , [Frequently Asked Questions](#) .

## [What's out there?](#)

Pointers to the world's online information, [subjects](#) , [W3 servers](#), etc.

## [Help](#)

on the browser you are using

## [Software Products](#)

A list of W3 project components and their current state. (e.g. [Line Mode](#) ,[X11 Viola](#) , [NeXTStep](#) , [Servers](#) , [Tools](#) , [Mail robot](#) , [Library](#) )

## [Technical](#)

Details of protocols, formats, program internals etc

## [Bibliography](#)

Paper documentation on W3 and references.

## [People](#)

A list of some people involved in the project.

## [History](#)

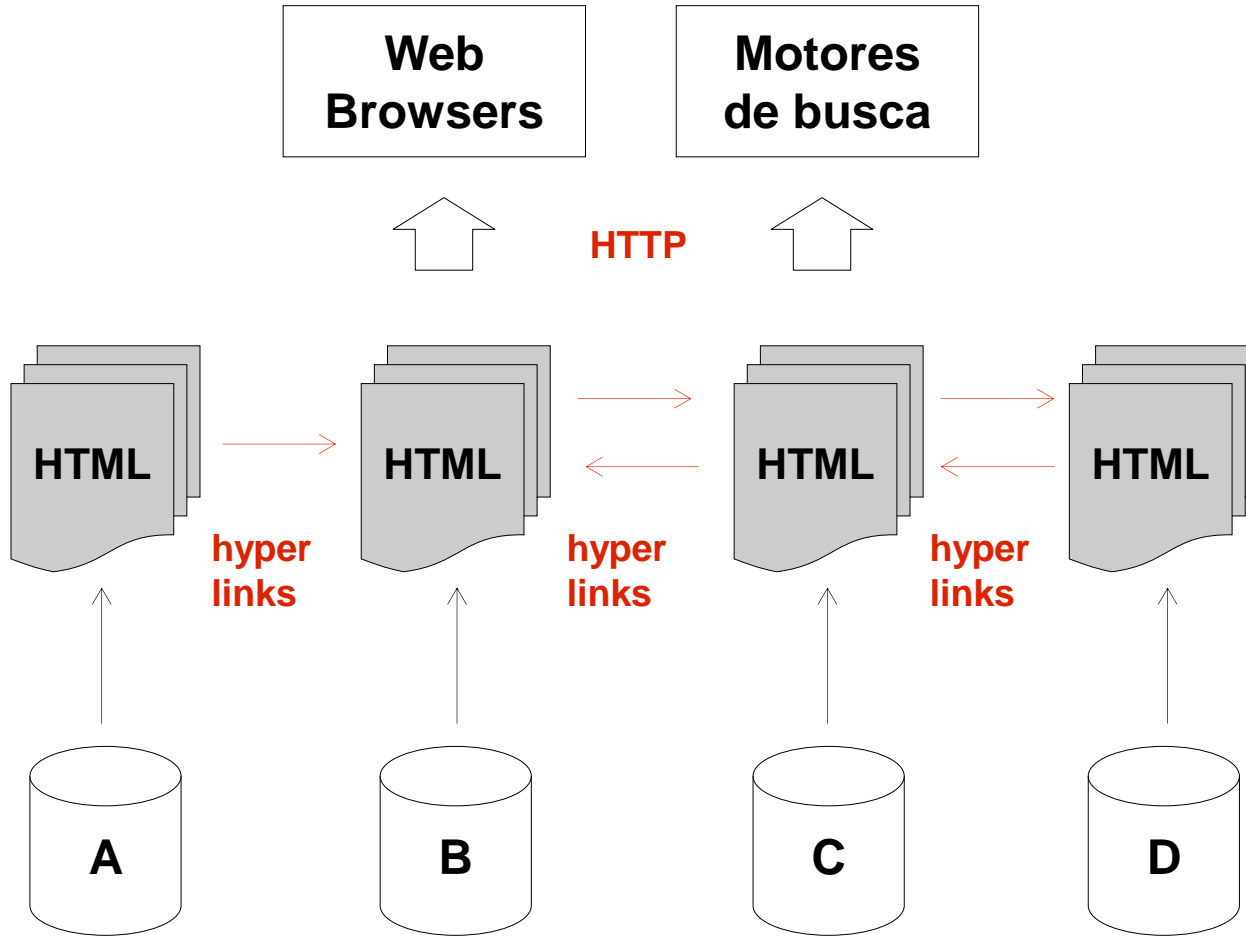
A summary of the history of the project.

## [How can I help ?](#)

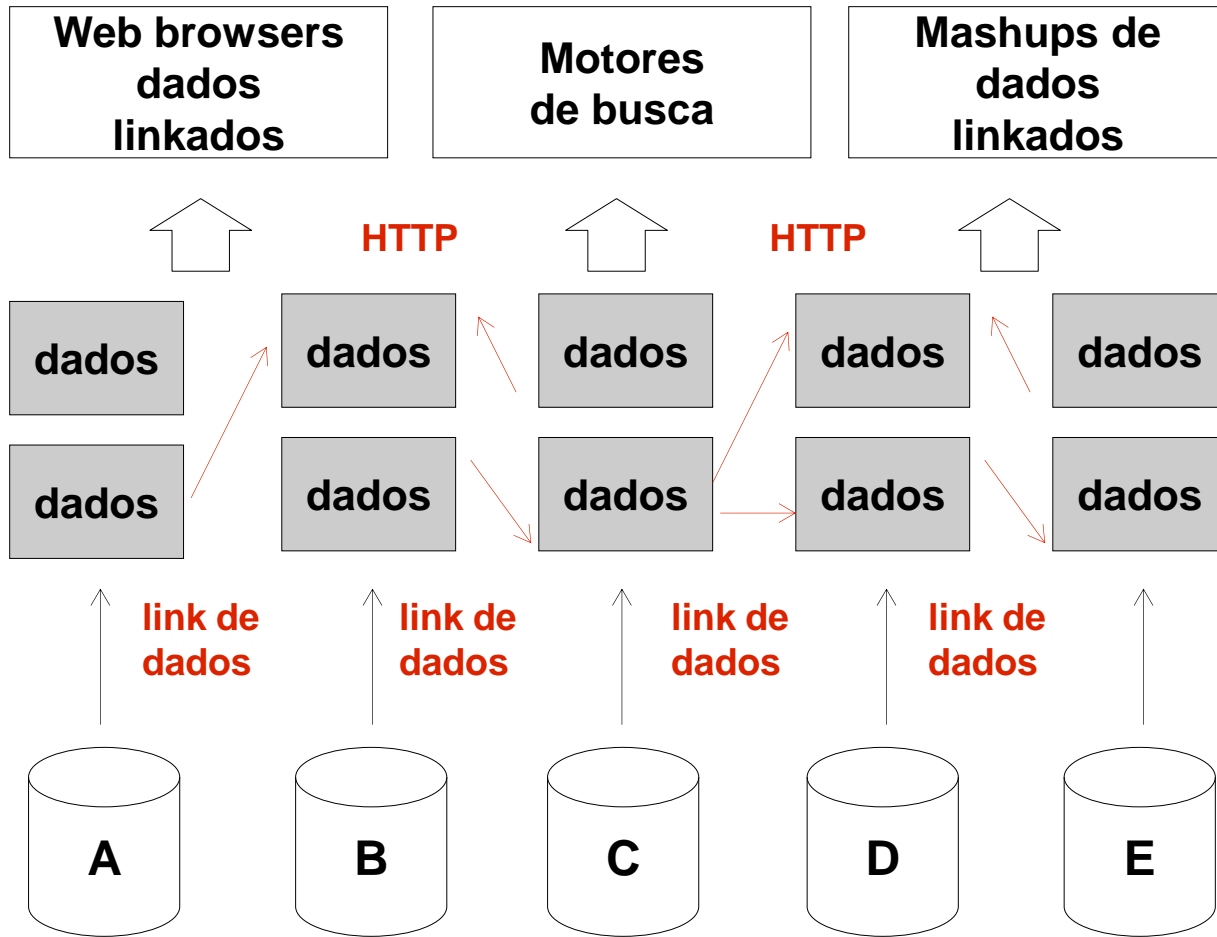
If you would like to support the web..

## [Getting code](#)

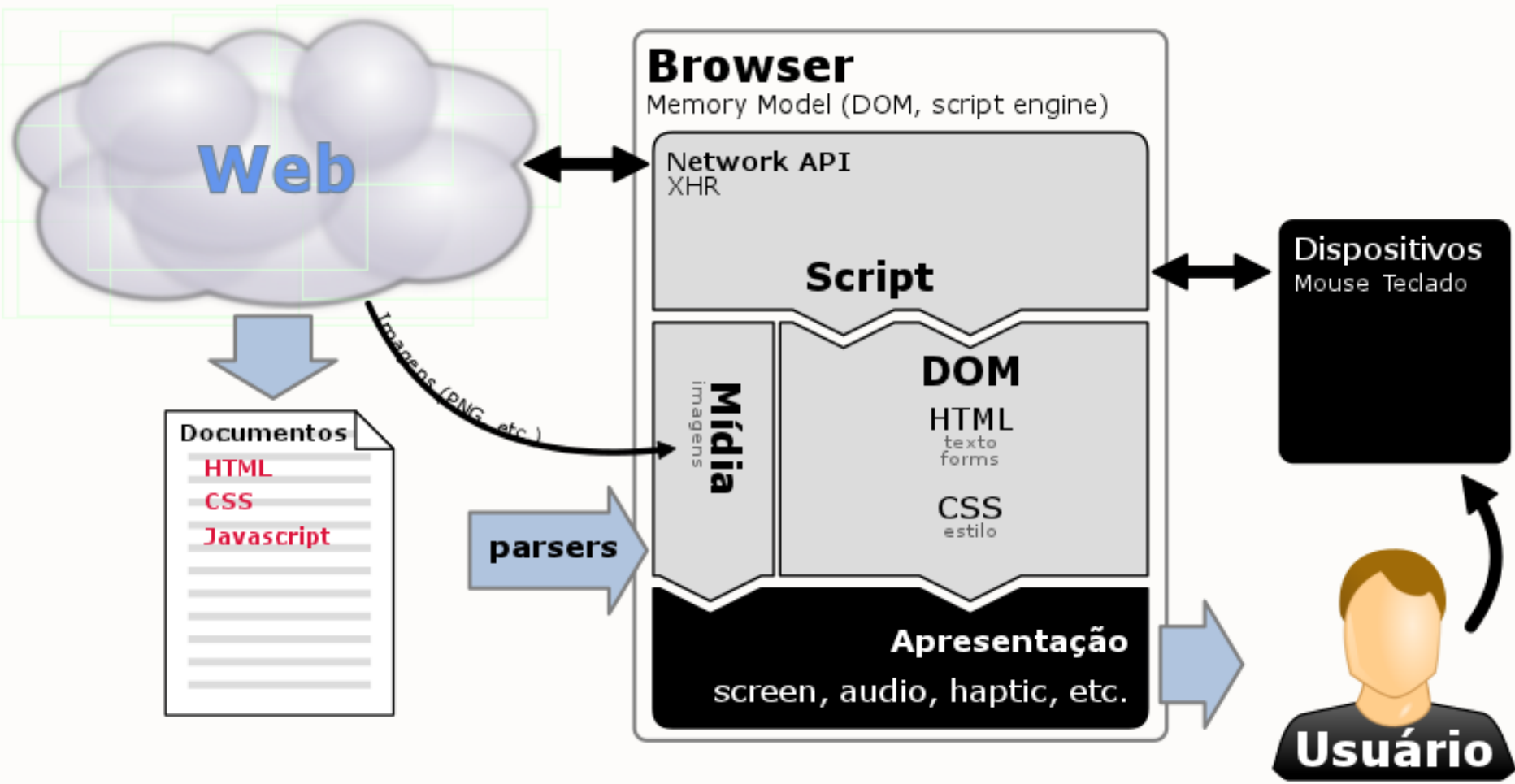
Getting the code by [anonymous FTP](#) , etc.



RDF +  
HTML5

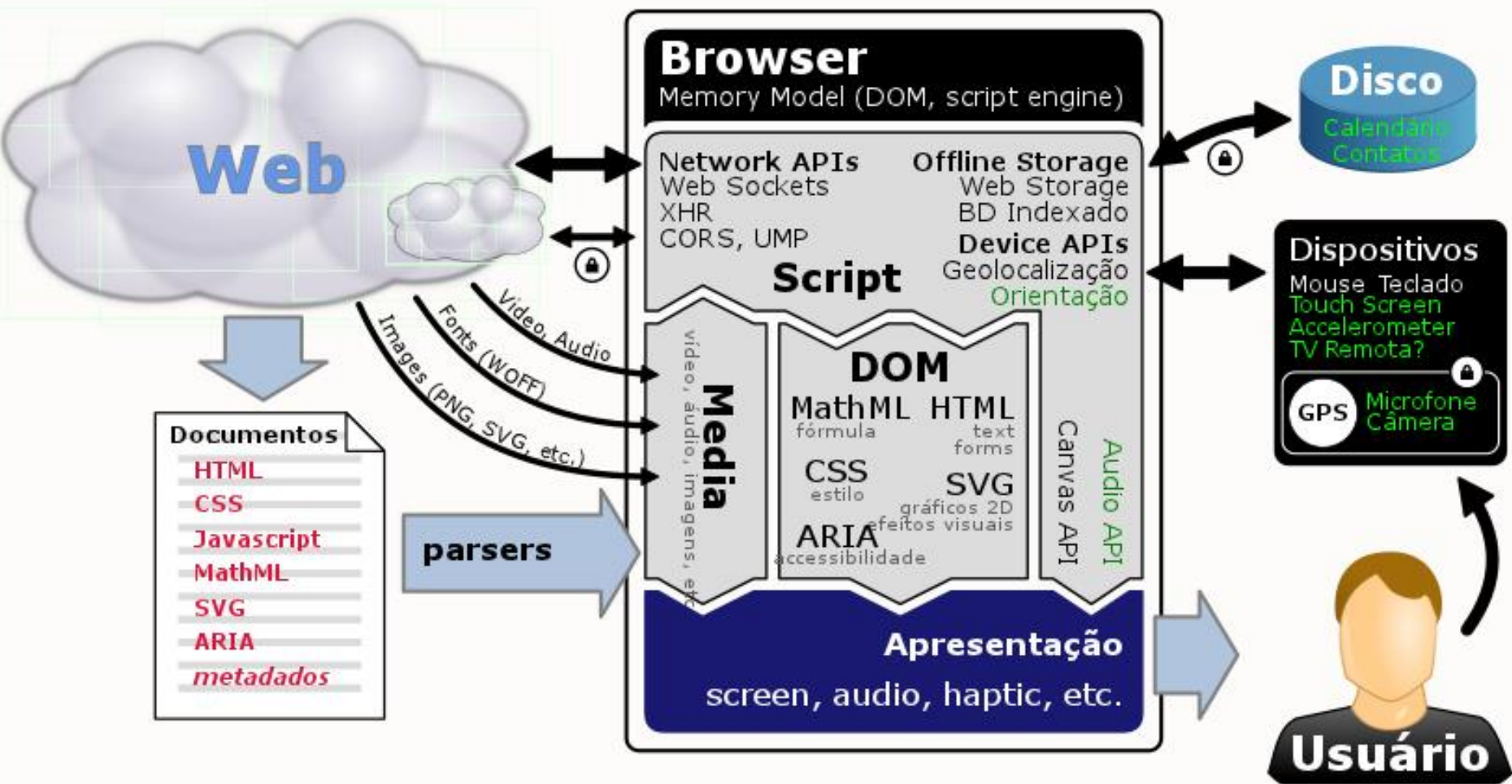


# WEB 2001





# WEB 2011



# One Web



## Vídeo – The social Web of things

<http://www.youtube.com/watch?v=i5AuzQXBsG4>

## Vídeo – Refrigerator Conected

<https://www.youtube.com/watch?v=YRBoIU60t9k>



Motion Sensor

Door Control

Environmental Control

HVAC Control

Light Control

STB

Remote Control

Window Control

Security and Alarm



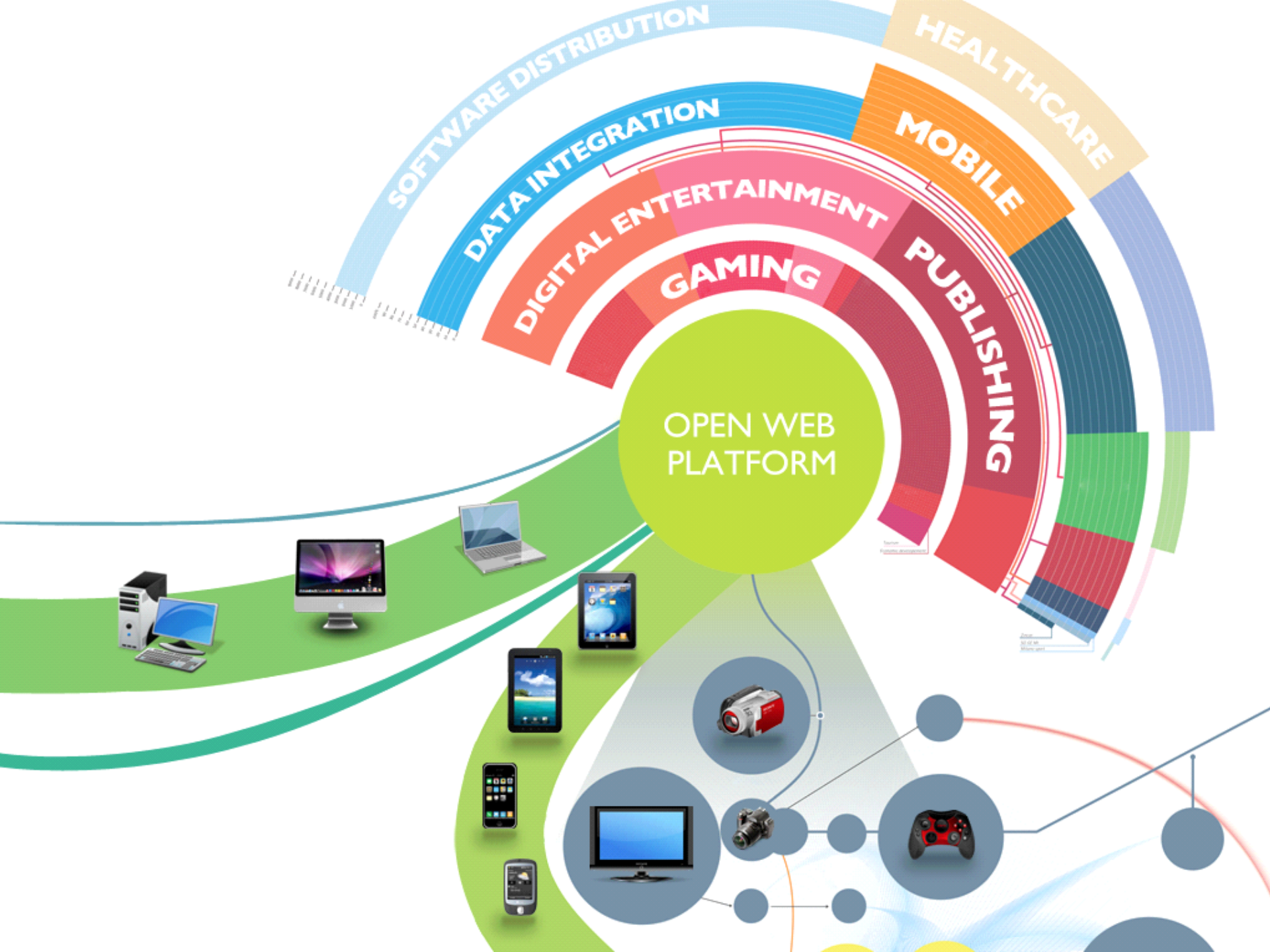
# W3C Brazil Activities

The Open Web Platform is the collection of open (royalty-free) technologies which enables the Web. Using the Open Web Platform, everyone has the right to implement a software component of the Web without requiring any approvals or waiving license fees.

# HTML

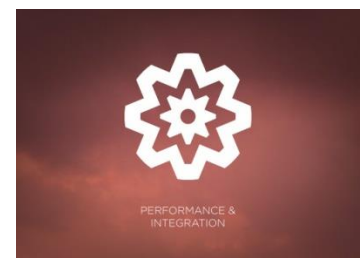
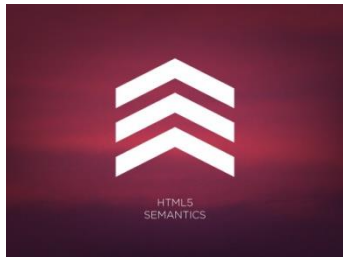








# HTML



# Web Accessibility



# People are different



Password *(required)*

\*\*\*\*\*

Birthday *(required)*

March ▼

31 ▼

1981

Human test *(required)*

Type in the text you see in the box below.



Sorry, your text and the image didn't match. Please try again.


Read (really!)

I have read and agree to the [Terms of Use](#) and [Privacy Policy](#)



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No premium user. Please enter all letters having a  below.

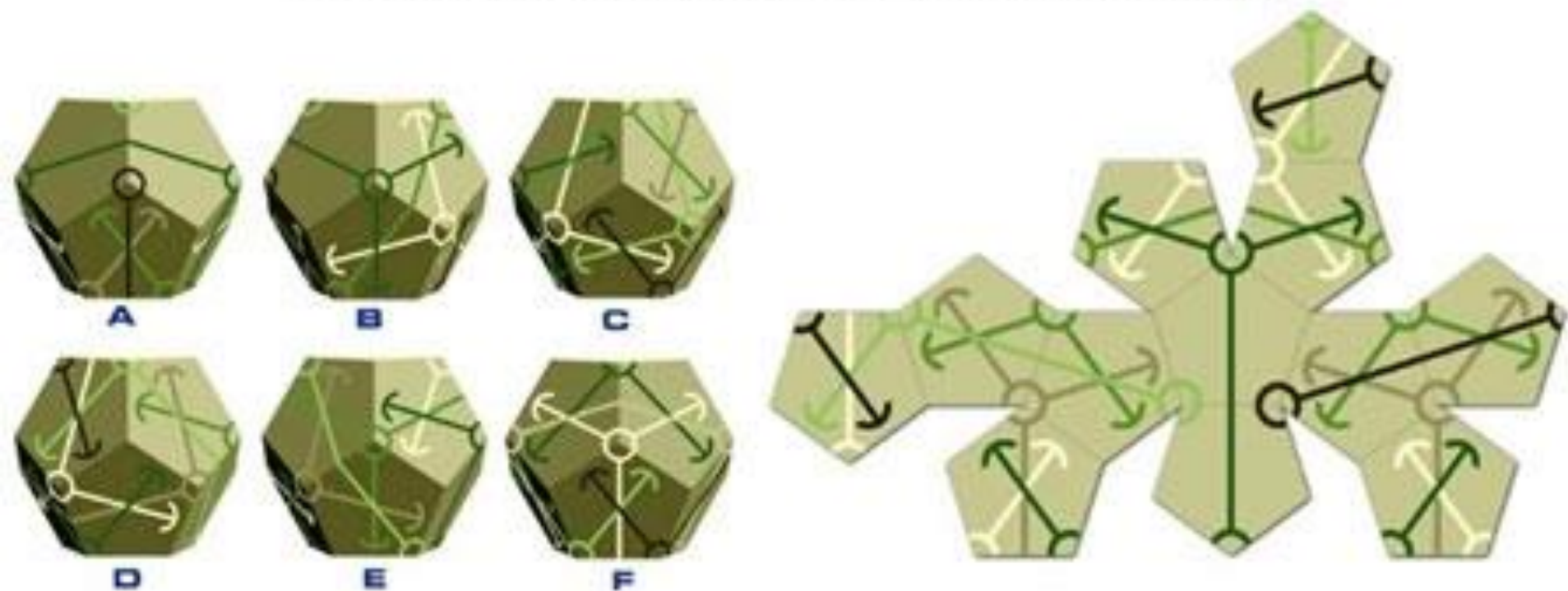


Four letters with a  :

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| onus | Valid for | Payment-possibilities  |
|------|-----------|--|
|      |           |  |

No premium user. Please enter the one that can NOT be created from the unfolded pattern. 29 seconds remain.



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## Qualifying question

Just to prove you are a human, please answer the following math challenge.

Q: Calculate:

$$\frac{\partial}{\partial x} \left[ 6 \cdot \sin \left( x - \frac{\pi}{2} \right) + 3 \cdot \cos \left( 2 \cdot x - \frac{\pi}{2} \right) \right] \Big|_{x=\pi}$$

A:

*mandatory*

Note: If you do not know the answer to this question, reload the page and you'll (probably) get another, easier, question.











# Open Web

首頁 你的足跡 管理 自己人 小組

Início Minhas coisas Organizar Amigos Grupos

首頁 你的足跡 管理 自己人 小組



Home Tu Organizza Contatti Gruppi

## Levando a Web ao seu potencial máximo...

[Sobre o W3C](#) | [Associe-se ao W3C](#) | [Contate o W3C](#)

O Consórcio World Wide Web (W3C) desenvolve tecnologias interoperáveis (especificações, manuais, software e ferramentas) para levar a utilização da rede mundial da Internet ao seu potencial pleno. W3C é um fórum para troca de informações, de consórcio, comunicação e conhecimento coletivo. Sugerimos que as organizações possam conhecer mais [sobre W3C](#) e [sobre como se filiar ao W3C](#).

## Últimas Notícias Brasil

### W3C com sotaque brasileiro

01-02-2008: Todo mundo sabe da existência de padrões para o desenvolvimento de projetos na web. Então, por que a sua efetiva aplicação ainda não é um favorito comum no mercado brasileiro? A resposta parece estar no caminho da conscientização. O ano de 2008 promete uma grande evolução neste sentido. Isso porque o W3C (Consórcio Mundial da Internet - The World Wide Web Consortium) decidiu instalar no país seu primeiro escritório na América Latina. [Link permanente](#)

### Conheça os textos em Português do W3C

10-01-2007: Cerca de 60 documentos do W3C já estão em Português graças ao trabalho voluntário de muitos interessados na disseminação da cultura de padrões para o desenvolvimento Web. São as famosas recomendações, documentos e FAQs que estão disponíveis. Conheça os documentos traduzidos para o Português e os tradutores [aqui](#).

### Consórcio World Wide Web (W3C) anuncia escritório no Brasil

30-10-2007: O Consórcio World Wide Web (W3C) tem a satisfação de anunciar a inauguração do primeiro escritório W3C na América do Sul o [W3C Escritório Brasil](#), abrigado no NIC.br (Núcleo de Informação e Coordenação do Ponto BR), em São Paulo, Brasil. W3C deseja aumentar a interação com a comunidade de língua portuguesa com a instalação deste escritório, principalmente porque o status da arte do ambiente tecnológico no Brasil está em perfeita sintonia com as tendências no W3C, tais como mobilidade, aplicações e vídeo para o mundo Web. [Link permanente](#)

## Últimas Notícias

[Ir para a lista](#)

### O XML é Dez!

12-02-2008: Para marcar o décimo aniversário de publicação da versão 1.0 do XML ([Simple Markup Language \(XML\) 1.0](#)) como uma recomendação W3C, o Consórcio World Wide Web planeja ao longo de 2008 reconhecer e agradecer às dedicadas comunidades e indivíduos que, com suas contribuições por meio de uma variedade de atividades e eventos, foram os responsáveis pelo XML, incluindo pessoas que participaram dos grupos e mailing lists do W3C, da comunidade SGML (Standard Generalized Markup Language) e da lista pública [xml-dev](#). XML é um formato simples, aberto e flexível usado para a troca de uma ampla variedade de dados dentro e fora da Web. Leia o [press release](#) e os [documentos de associados](#). [Link permanente](#)

### W3C publica a versão preliminar do HTML 5, o futuro do conteúdo Web

22-01-2008: O W3C publicou hoje uma versão preliminar (draft) antecipada do [HTML 5](#), uma revisão importante da linguagem de marcação para a Web. O [Grupo de Trabalho HTML](#), está criando o HTML 5 para ser uma especificação aberta, sem custos de autor ([copyright-free](#)) para conteúdo e aplicações de web rica. Leia o [press release](#) e conheça as [novidades do HTML 5](#). [Link permanente](#)

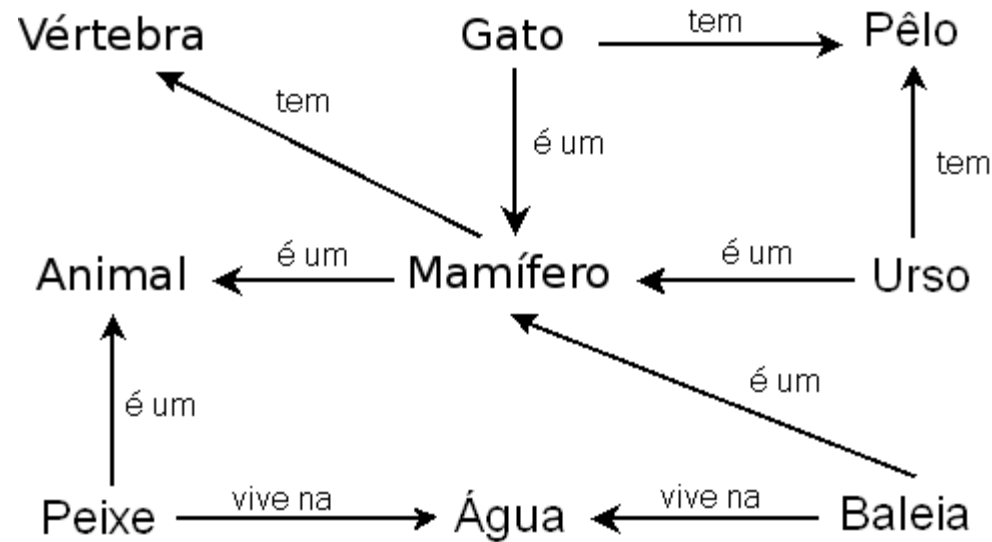








# Semantic



- Semantics is the study of meaning. Focuses on the relation between signifiers, such as words, phrases, signs and symbols and what they represent, their denotation. (Wikipedia.org)





puma



Reinald...

1



Web

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Related searches: [puma shoes](#) [puma symbol](#) [puma animal](#) [puma animal jumping](#) [puma wallpaper](#) [black puma](#)





# First International Conference on the World-Wide Web

**May 25-26-27 1994, CERN, Geneva (Switzerland)**

The Conference is over ... This page remains of interest as a report and as pointer to the next ones.

---

The Third one will be:

[WWW Spring '95](#)

Darmstadt, Germany, April 10-14 1995, organised by the  
[Fraunhofer Gesellschaft](#).

---

The second conference was held in the US:

[WWW Fall '94: Mosaic and the Web](#)

Chicago, October 17-19, organised by [NCSA](#) and CERN.

---

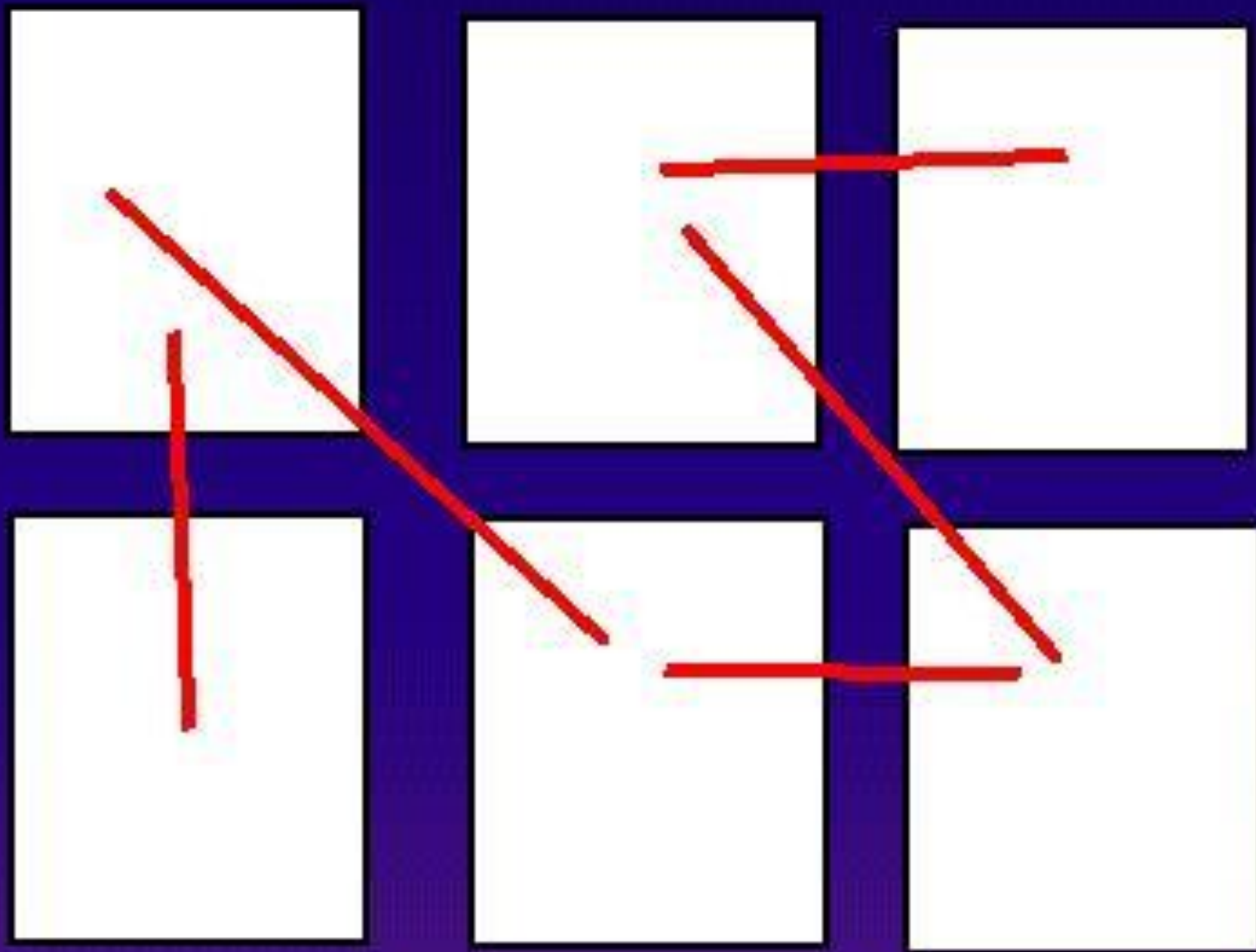
The three days in Geneva were attended by 380 [participants](#) from all over the world.

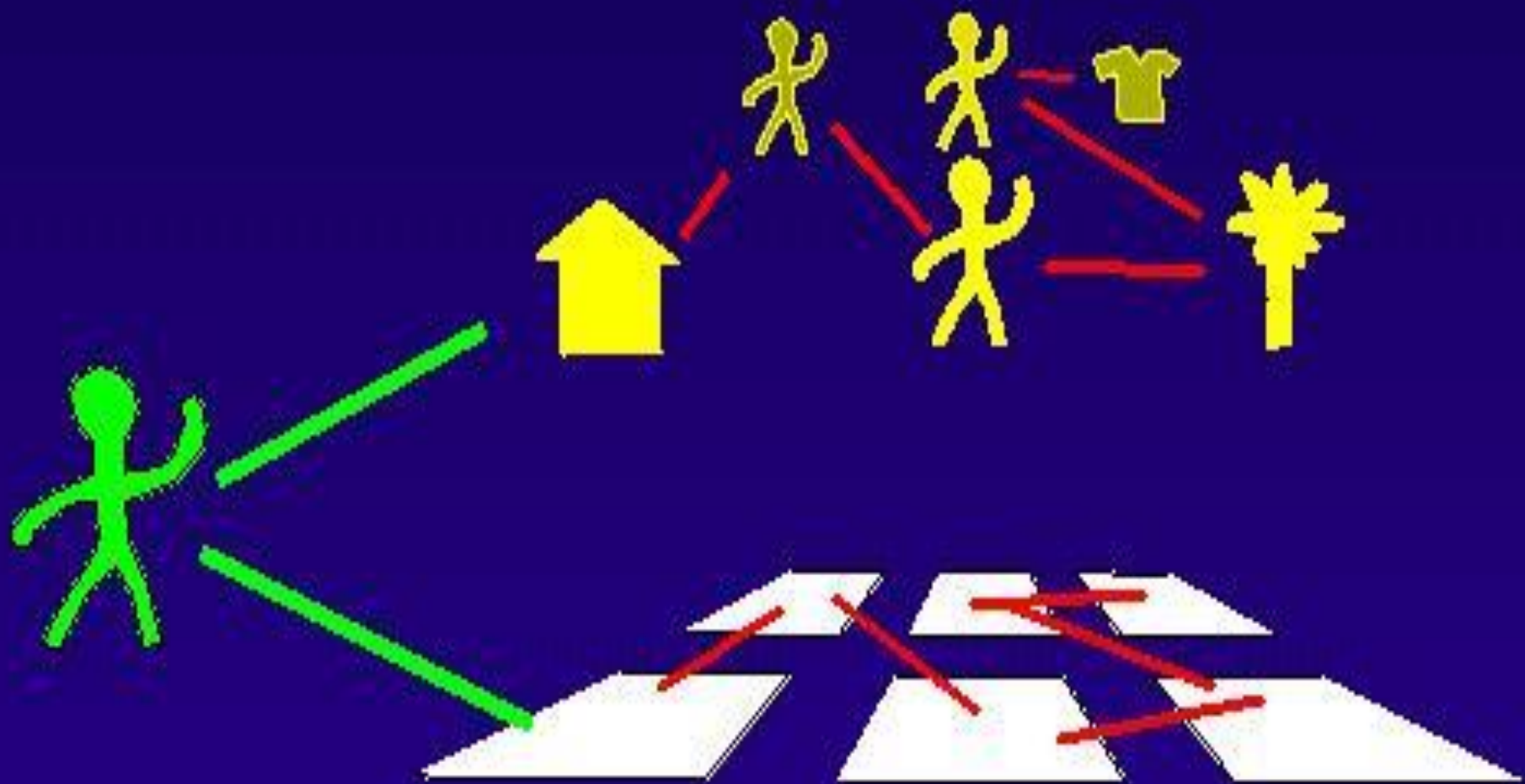
My thanks go to many [people](#), and also to many [institutes and companies](#), especially to the co-organisers from the [CUI](#) (Centre Universitaire d'Informatique), Oscar Nierstrasz and Bertrand Ibrahim.

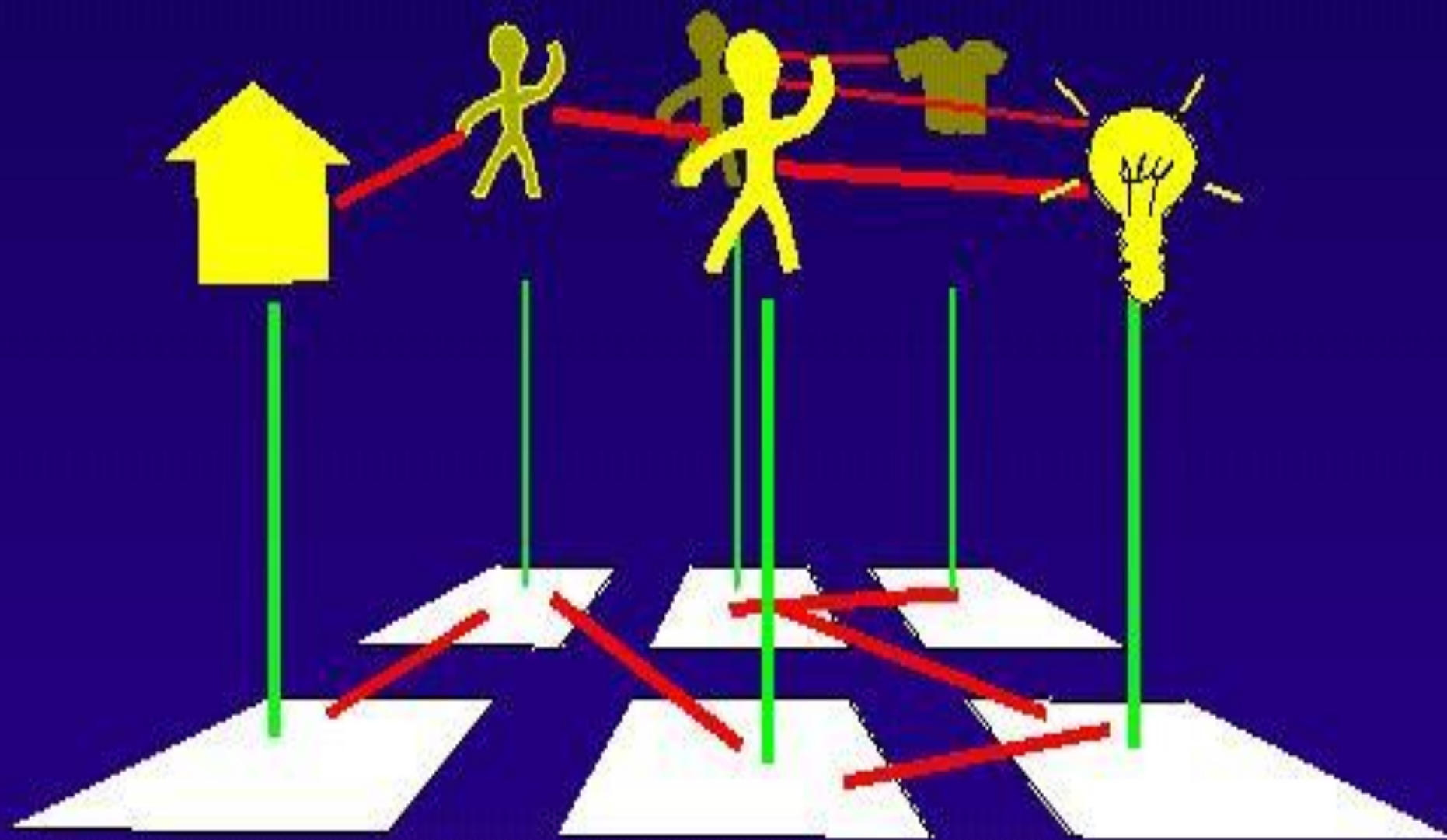
There were 49 formal presentations, 11 [workshops](#) and many discussions going on in parallel. The [proceedings](#) will be published in two forms, and until then, the [preliminary proceedings](#) are available for inspection.

The Best of WWW [Awards](#) were handed out at the Conference Dinner.

The conference closed on Friday afternoon with a general [panel](#) discussing issues for the future.









**DADOS ABERTOS**

# Open Data



## Vídeo – Milestone Village

<http://www.youtube.com/watch?v=DiWNNm7D34rY>

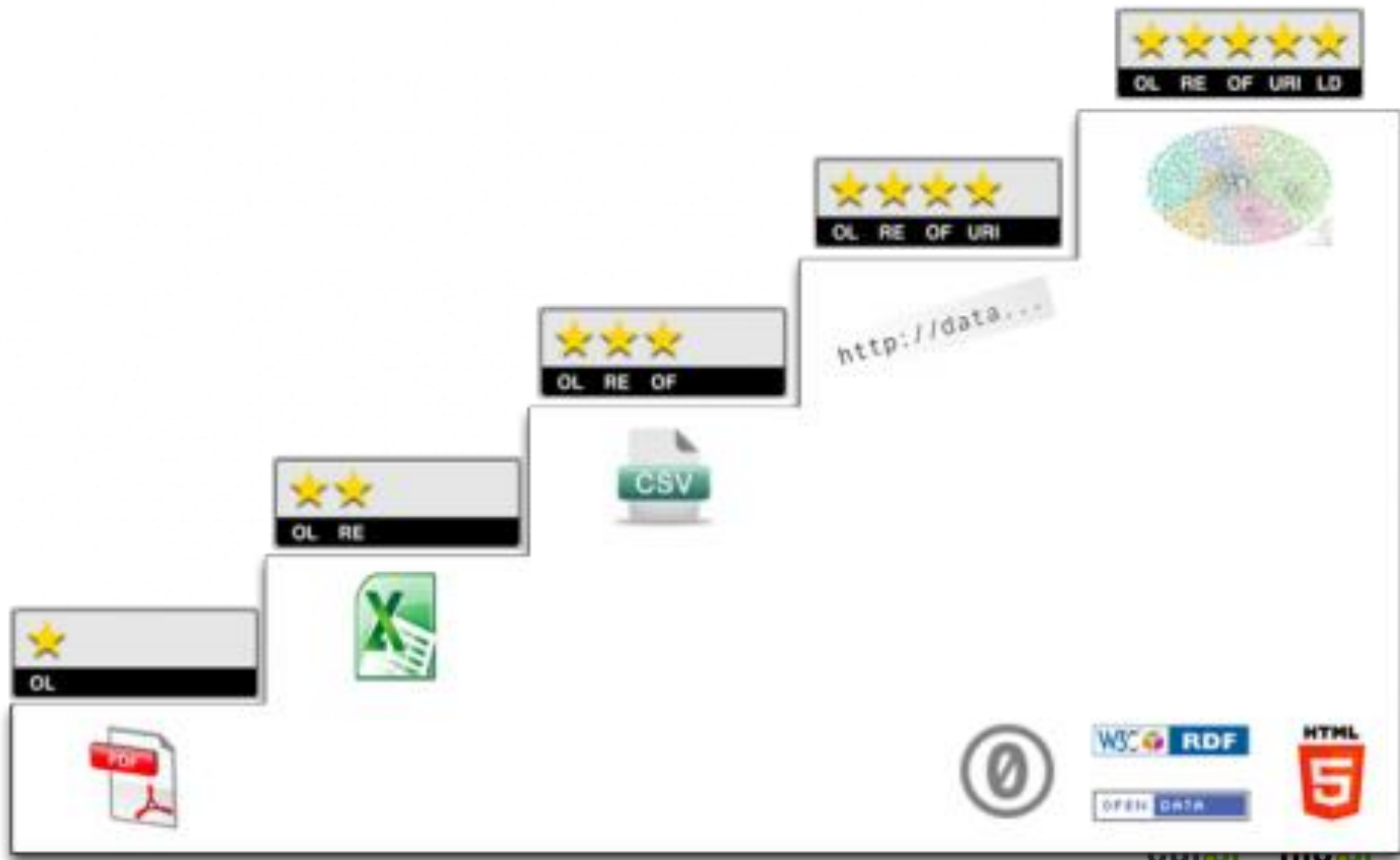
## Brazilian Access to Information Law

- III - possibilitar o acesso automatizado por sistemas externos em formatos abertos, estruturados e legíveis por máquina;
- III - to enable automated access by external systems in open formats, structured and machine readable;



# Why the Open Web is important for the Open Data?

- **Decentralized:** Anyone can create a website or a web service. The Web is not governed by any entity. It's free.
- **Transparent:** people can view the source code of the pages and read data from exit points (API's etc)
- **Distributed:** Allows Open Data can be produced, distributed and reused;



FrontEnd - Part of the "front"

Interface design:

Accessibility, ease of access

Usability: ease of use

Data Visualization

Applications by Industry

Monitoring via web

## Providing services based on open data

- Exploring the potential of interoperability and innovation of OpenWeb tools to create new ways of access to applications and services through third party services;
- For example: consulting clinics, police stations, gas, near the ZIP Code of the citizen;

What data should we open? -  
Communication interfaces with entities  
interested

Public consultation:  
polls;  
Simple search form;  
Social networks;

For example: HTML5 API's, websockets  
(notifications etc) among others ...

## HTML & CSS:

Structuring, presenting, interoperate at the user

Scripting and Ajax  
geolocation,

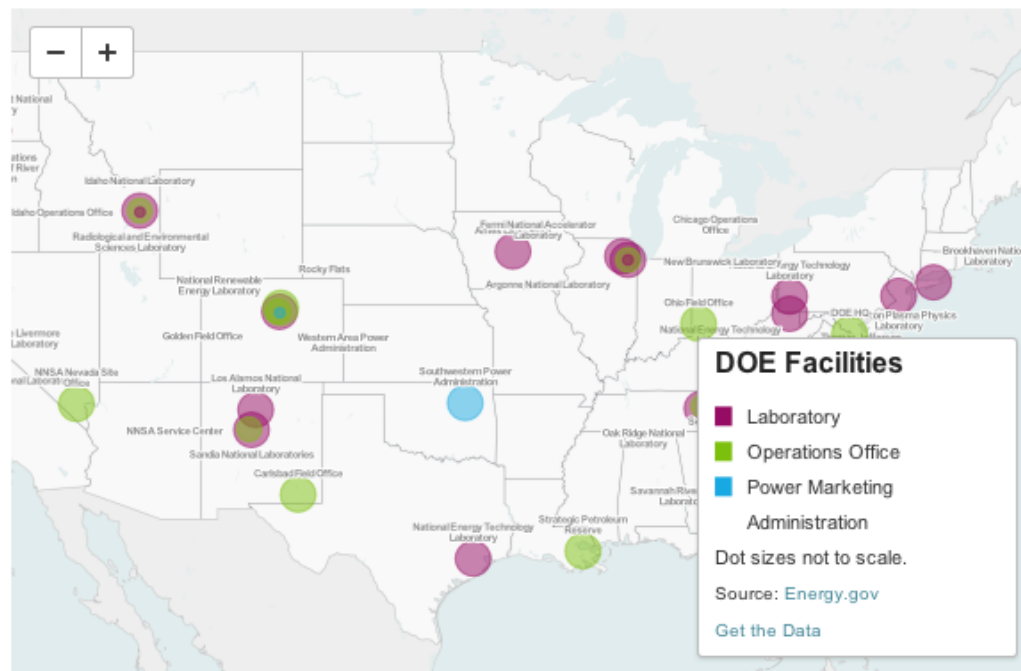
graphics

Dynamic data, dynamic update;

[Home](#) » [About Us](#)

# ABOUT US

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- [Organization Chart](#)
- [Offices](#)
- [Budget & Performance](#)
- [Web Policies](#)
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**By E-mail:** You can send an email to the Secretary of Energy at [The.Secretary@hq.doe.gov](mailto:The.Secretary@hq.doe.gov)

**By Phone:** 202-586-5000 (Main Switchboard) or use the [National Phone Directory](#)

## OUR MISSION

The mission of the Energy Department is to ensure America's security and prosperity by addressing its energy, environmental and nuclear challenges through transformative science and technology solutions.

[Find out more](#) ➔

## WORKING WITH US

The Energy Department's mission speaks to all sectors of the economy. Whether your expertise is in science, technology, engineering, national security, international affairs or business, the Energy Department offers challenging and innovative work environments

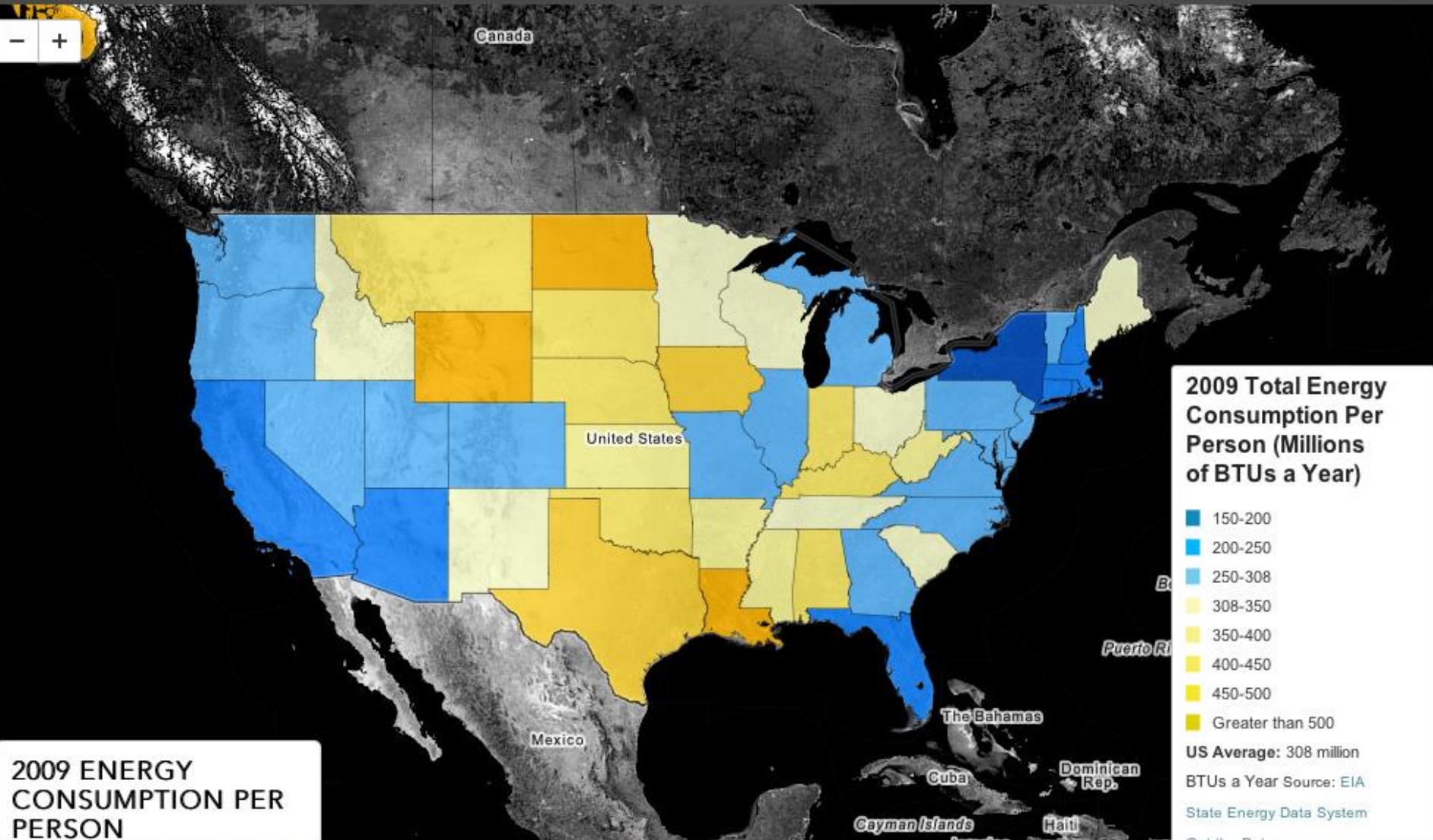
[Careers](#) ➔

## OUR LEADERSHIP

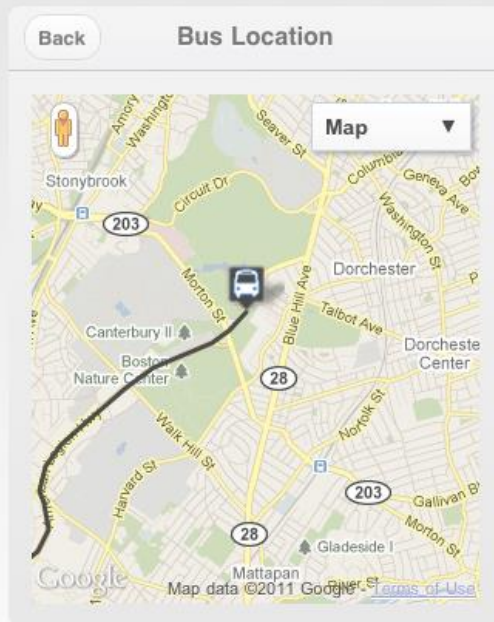


**Secretary of Energy Dr. Steven Chu**  
[More about Secretary](#)

SEARCH







## Where's My School Bus

Real-time school bus locations anytime, anywhere.

Where's My School Bus makes real-time bus information available online for parents and guardians in Boston Public Schools. Your student's bus is displayed on a detailed map, showing both its recent and current location. Waiting at the stop for a late bus? Blizzard got traffic moving at a crawl? Use your smartphone or computer to instantly check the bus location. Tracking your student's bus has never been easier, faster or more accurate.

### To Create an Account

Contact the Transportation Department [\(617\) 635-9520](tel:617-635-9520).  
Monday through Friday: 8:30 a.m. - 5:00 p.m.

- After guardian is verified, BPS operator verbally collects email address of guardian and creates account.
- You will receive an email containing a link to activate your account. After signing up, guardian can track only the bus numbers in account.
- To edit or change the bus numbers displayed in the application, you must call BPS.

# Retrato da Violência Contra a Mulher no RS

Denuncie

## Soledade

População: 71,504

### Idades médias



18



32

### Ranking

1<sup>a</sup> /35

### Período

53%

47%

### Ocorrências por ano (2006-04/2012)



### Ocorrências

163 / 100 mil hab.

### Local



67%



9%



24%

## Microrregiões

Soledade

Restinga Seca

Santa Cruz do Sul

Vacaria

Cruz Alta

Santiago

Camaquã

Campanha Ocidental

São Jerônimo

Santo Ângelo

Carazinho

Cachoeira do Sul

Serras de Sudeste

Osório

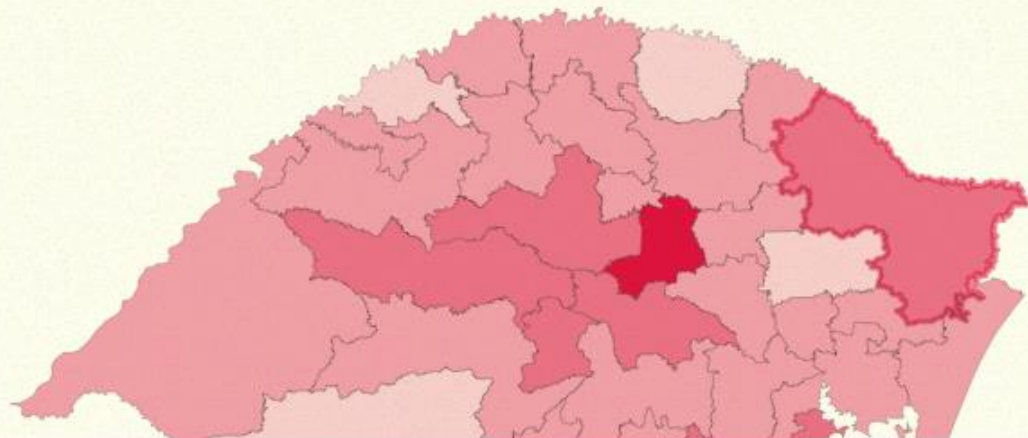
Campanha Meridional

Montenegro

Passo Fundo

Gramado-Canela

Cerro Largo



# Gastos RS

Escolha o ano: 2012 - Tarso Genro (PT) ▾



O gráfico acima mostra como é distribuído o dinheiro gasto pelo governo do estado do Rio Grande do Sul.

# Para onde foi o meu dinheiro ? BETA

Tweet 339

Like 0

ESTADO DE SÃO PAULO



## Funções

É o maior nível de agregação das diversas áreas de atuação do setor público. A função está relacionada com a missão institucional do órgão, por exemplo, cultura, educação, saúde, defesa, que guarda relação com os respectivos Ministérios. O primeiro quadro deste sistema apresenta os dados distribuídos nas respectivas funções de governo.

Tri = Trilhões, Bi = Bilhões, Mi = Milhões

Total: R\$ 85.585.440.411,80

Descrição

Total de gastos

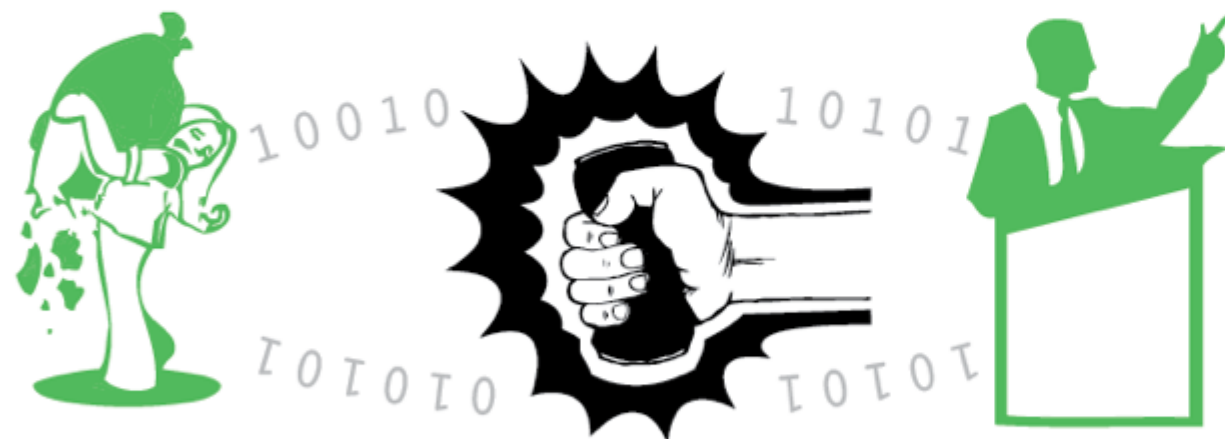
Porcentagem nesta visão

[Home](#)[Cidades](#)[Ajuda com dados](#)[Sobre](#)

Desde que você entrou nesse site, o Brasil coletou

**00039g**

**TONELADAS** de lixo!



Os dados abertos são as ferramentas necessárias para a comunidade inferir informações. Informações aplicadas de boas maneiras ajudam o governo inferir soluções.

... e como você  
pode nos ajudar?

[Cobre o poder público](#)

[Ajude-nos com dados](#)

Usamos dados apenas de **2000** porque não temos dados mais recentes e, ainda assim, os dados de **2000** são apenas das capitais.

[Quem somos?](#)[Contato](#)[Bugs](#)[facebook](#) [twitter](#)



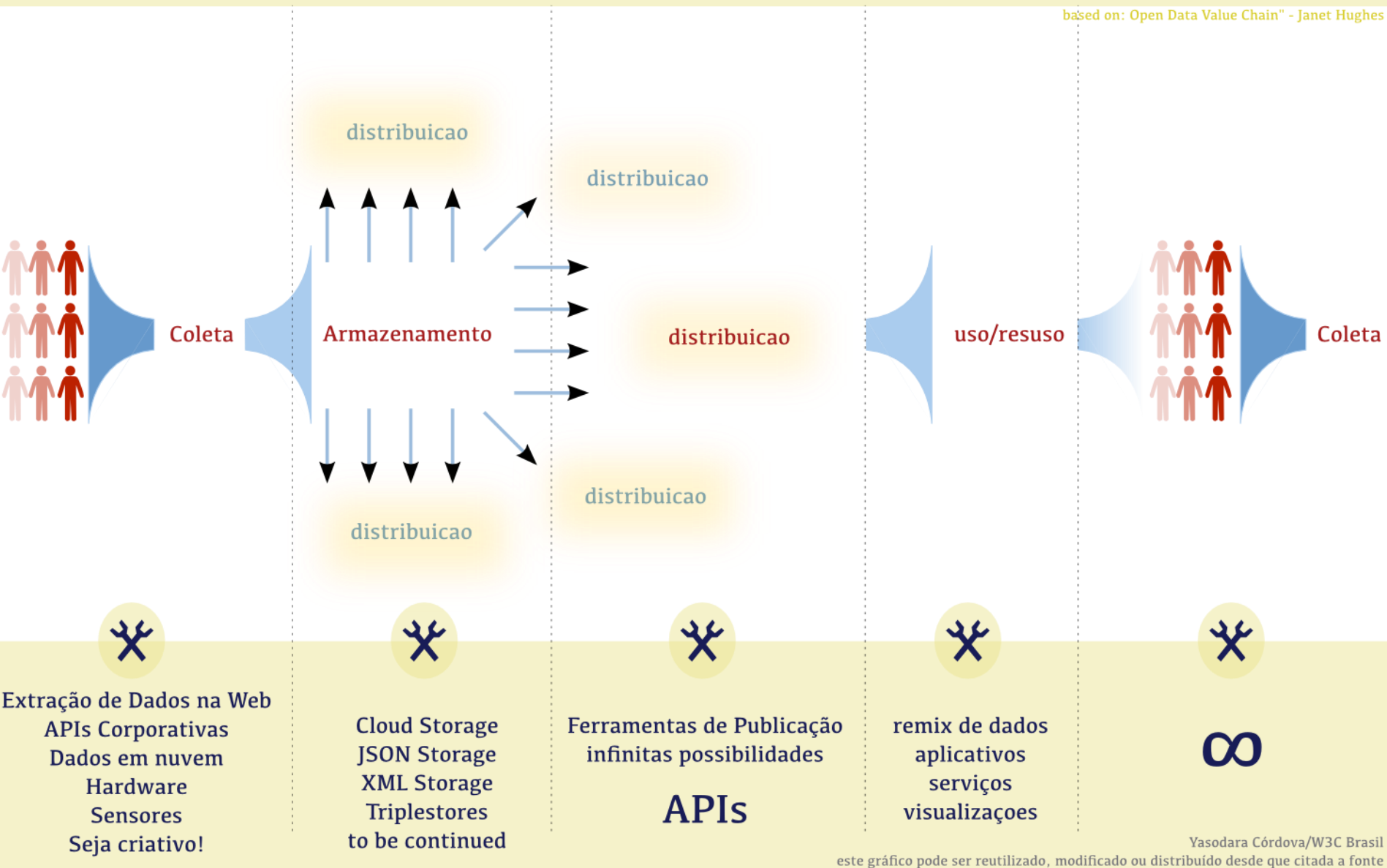


# Publish and reuse data in an open format is not trivial task.

- What data should we publish?
- In what format?
- What is priority?
- How to do it?
- What license to use?

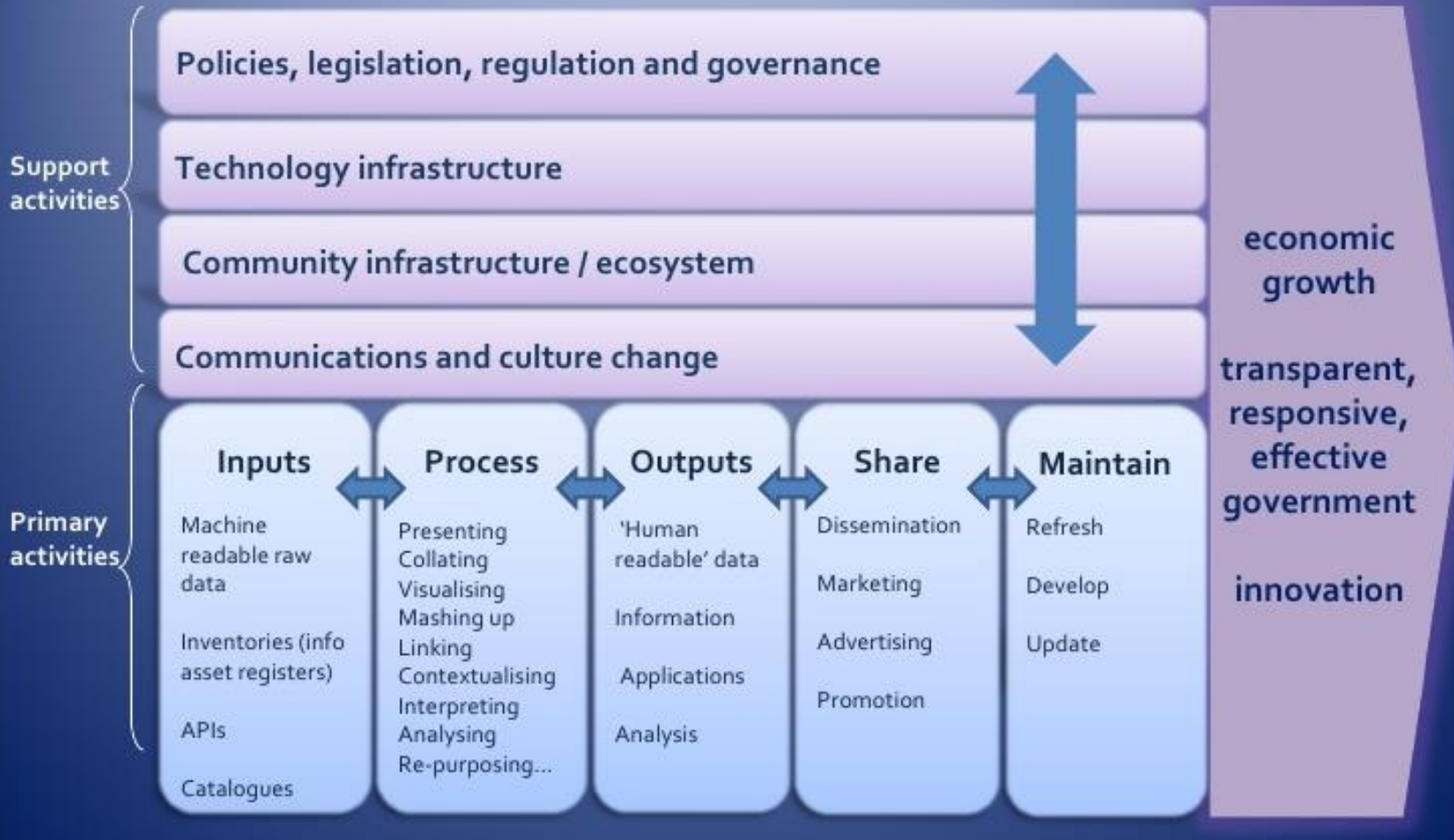
# Gerenciamento do ciclo de abertura de Dados (draft)

based on: "Open Data Value Chain" - Janet Hughes





## OPEN DATA VALUE CHAIN





**Open Data for Development**  
in Latin America and the Caribbean

[www.od4d.org](http://www.od4d.org)

Partners:

CEPAL – Economic Commission for Latin America  
and the Caribbean

W3C Brasil

IDRC – International Development Research Centre

# OD4D Video

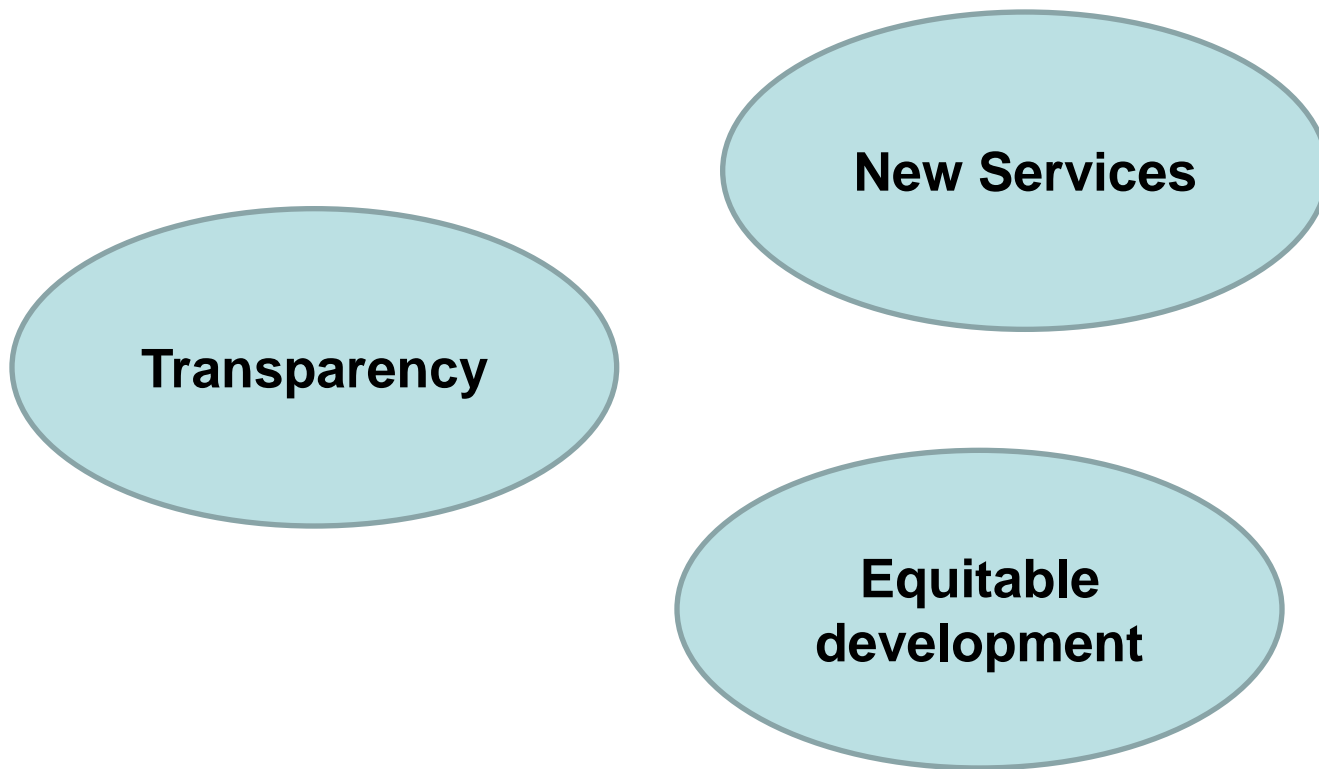
<http://www.od4d.org/2013/03/21/watch-od4ds-video-on-youtube/>

The core of this project is

Contribute and stimulate the development of open data strategies to promote a more inclusive economy of knowledge in Latin America and the Caribbean.

Expand and produce further knowledge on open data and its potential to improve the quality of public policies in Latin America and the Caribbean.

In order to achieve this, the project investigates the potential of Open Data in public policies on 3 fronts:





**Reinaldo Ferraz**

W3C Escritório Brasil

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Twitter: @reinaldoferraz