Semwebbing eGovernment

José M. Alonso
eGovernment Lead
W3C/CTIC

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W3C

Will portals disappear?

How do citizens search?

- They try going to the one-stop shop
    - (a few, and if known)
- To the given agency Web site if not
    - (even less ones)
- They often use a search engine
- They get a pointer to Wikipedia
- Happy with what they get

Why limit interactions?

- Open Government Data (more later)

- Unexpected reuse

  - Third party applications

    - eg: <u>FixMyStreet</u>, <u>Follow the Money</u>, <u>MapLight</u>, <u>OpenCongress</u>, <u>GovTrack</u>, <u>TheyWorkForYou</u>

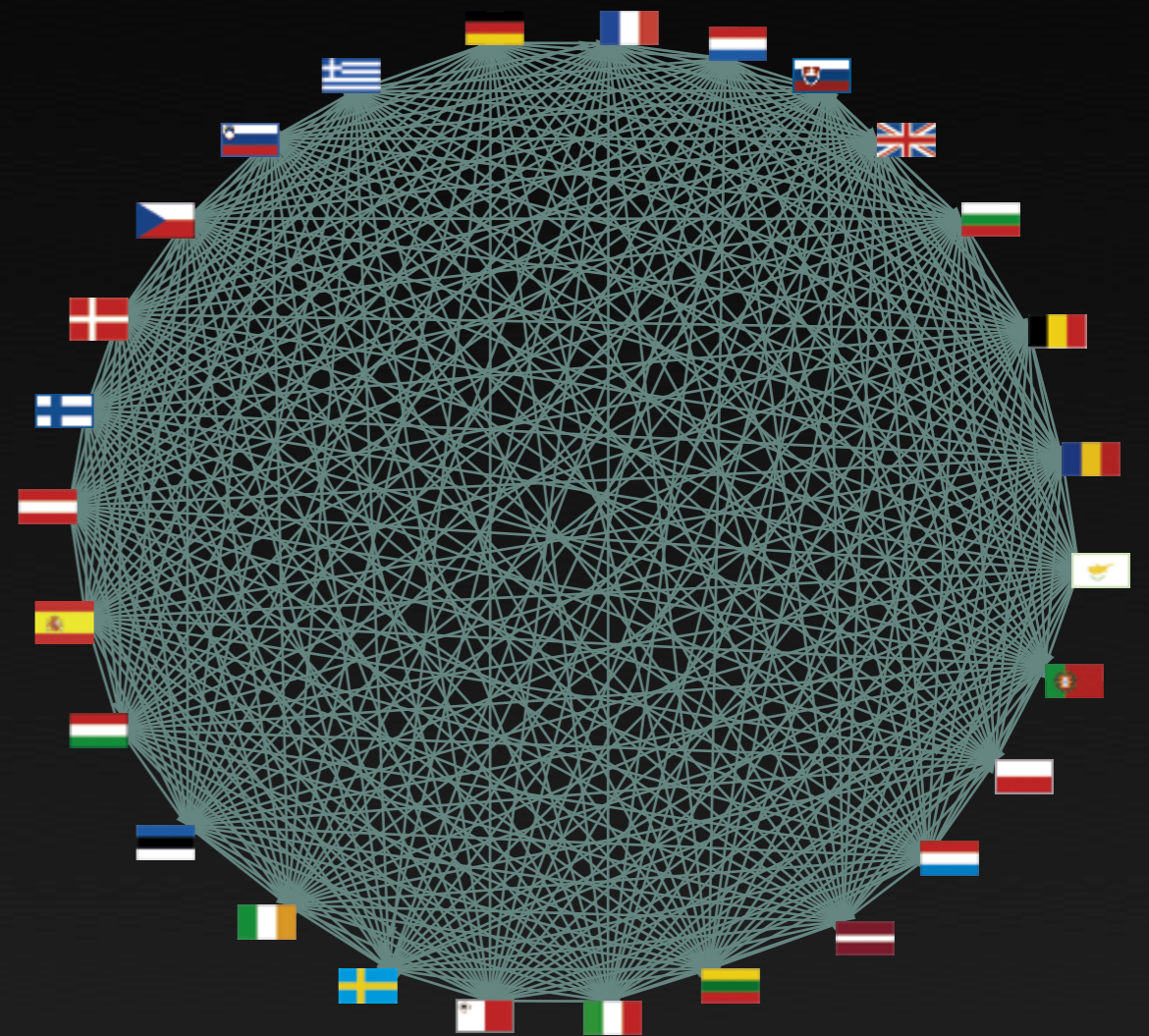- From Chicagocrime to London Met Police Crime Maps

Data Integration

□ What's the right tool for the job?

XML^FR

XML^IT

XML^ES

Ex. EU Network of Judicial Registers

- Potential number of bilateral interfaces between 27 member states: 702
  - for just one administrative procedure

The road ahead

Semantic Web

XML

RDFa

API

RSS/Atom

HTML Scrapping

What's happening?

- HTML scrapping
  - high cost, difficult maintenance
- Usually by the third sector
  - providing added value

Ex. Sunlight Labs API

Sunlight Labs API

About the Data

Our data comes from a variety of sources and updated regularly, a list of all sources with their update dates are listed below.

Source	Last Update
US Census Boundary Files	2007-03-01
Project Vote Smart	2008-06-19
Congresspedia	2008-06-20
Eventful	2008-06-20
GovTrack.us	2008-06-20
Congressional Biographical Directory	2008-06-20
FEC Disclosure Database	2008-06-20
Center for Responsive Politics	2008-06-20
Congressional Directory	2008-06-20

But also...

Open Formats

- Release information in open raw formats

- No more scrapping
  - cost, maintenance

- Start simple
  - XML, RSS, Atom, Microformats, GRDDL, RDFa

Government APIs

RDFa

Meet Linked Data

- Empowering Semantic Web

- No need to throw away your existing systems, just build on top

- Metadata are the goal (data mashups)

  - Linking Open Data project

- Open Government Data Principles

The "cloud"

As of September 2008

Semantic Web use cases

- Search Services in Public Administration

- Ontology of Cultural Heritage

- Geographic Referencing Framework

- Expertise Location Service

- Public Health Situation Awareness

What if?

- example on RDFa use
  - services that require eID
  - services affected by law passed by congress yesterday

A word of advice

- Authoritative source
- Trust
- Provenance
- Security
- Integrity
- DRM, IPR

Data Integration Challenges

- Increase metadata

- Roadmap for transitioning from existing systems

  - Don't throw away, build on top

- Metadata use policies
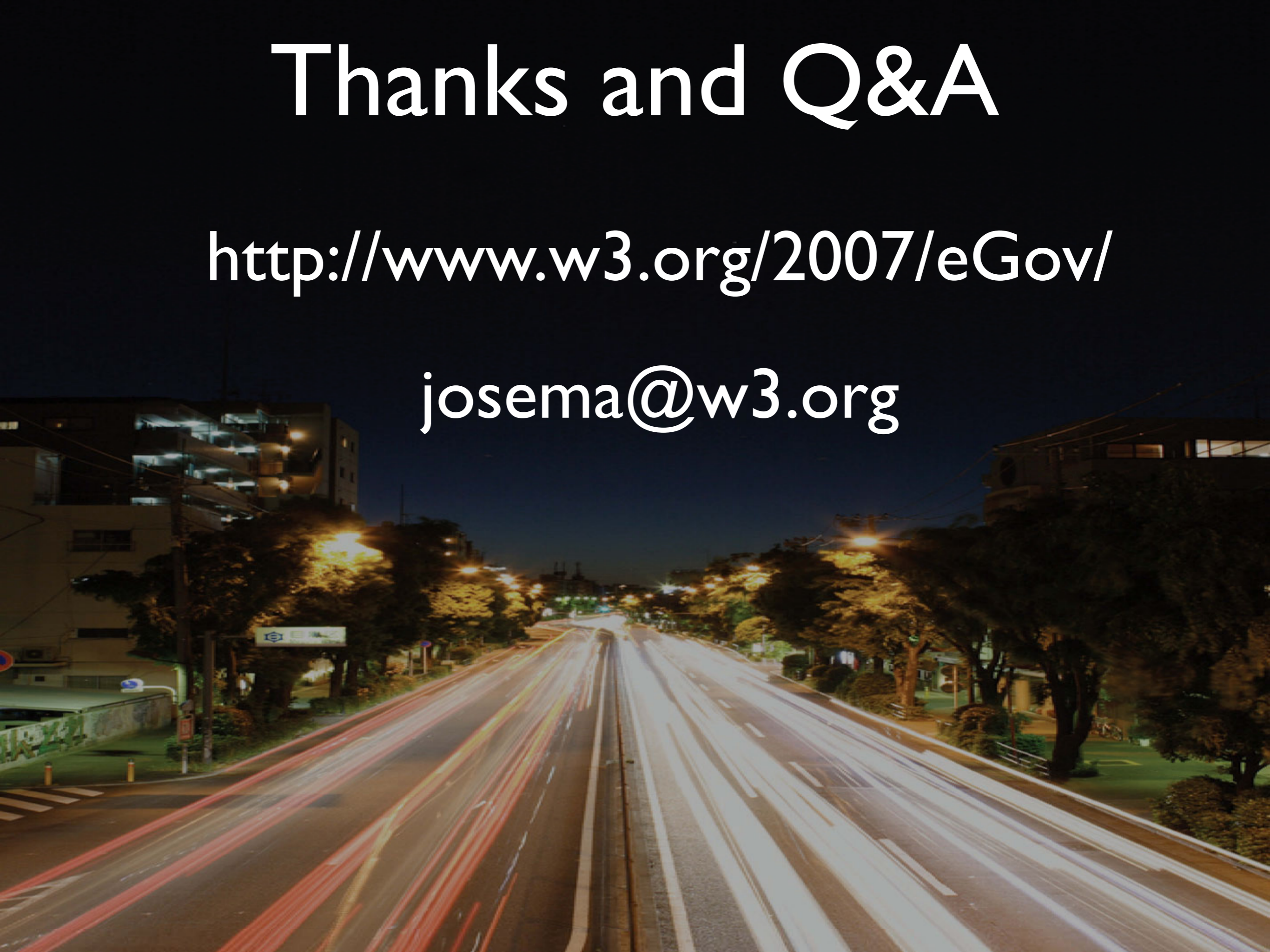
- Trust-related challenges

eGovernment IG at W3C

- Public Interest Group

- Collective effort

  - Governments, Industry, Citizens, Civil Societies, other International Bodies

- Identification and Description of existing challenges

- Propose ways to address them

- Join

Thanks and Q&A

http://www.w3.org/2007/eGov/

josema@w3.org

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