



SEMIC.EU **The Semantic Interoperability** **Centre Europe**



Project Overview



EUROPEAN COMMISSION

Friday, October 14, 2008

Directorate-General for Informatics

- **With ongoing process of European Data integration, pan-European data exchange is becoming more important**
- **Semantic mapping of data is becoming a critical success factor for the success of pan European projects**
- **Semantic interoperability enable systems to exchange and combine, received information with other information resources and to process it in a meaningful manner**
- **This can only be obtained through agreement on a range of issues related to the context of that information...How?**

Semantic Interoperability - Example

- **A person goes to a foreign country and tries to purchase medicine by trademark.**
- **The situation where that trademark is not known in that particular country is not uncommon. As a result, the name of the medicine will not be in the pharmacy's database.**
- **Therefore, if the person does not know the ingredients of that particular medicine, then it will be close to impossible for the pharmacist to supply an equivalent drug.**
- **In our case, pharmacies around the world would agree on a common database with unique identifiers, their trademarks and different ingredients.**

Semic.eu – What is it?

**An open web platform
as a single point of
contact and
information for
semantic
interoperability
collaboration in Europe**

**A collaborative tool
permitting the sharing
and re-use of syntactic
and semantic assets
between European
public administrations**

**Project started in
December 2005 and
was launched June
2008**

**Project budget from
2005 to the end of
2009 will be more than
€2.2 million**

**Managed by the IDABC
programme of the EU
Commission**



SEMIC.EU Semantic Interoperability Centre Europe

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Latest News

19/09/2008
Europe meets on SEMIC.EU

Since the launch in early June more than 30 projects are now overcoming sector and language barriers in favour of pan-European eGovernment. SEMIC.EU is not only a repository for eGovernment solutions but...

[All news](#)

New to SEMIC.EU?

Get to know the Semantic Interoperability Centre Europe with all its services, partner projects and the Repository in just over a minute:

[More information](#)

Share your assets

You have developed an interoperability asset that might be reused by other pan-European projects? Please contribute it to our repository!

[Add new asset](#)

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Project owners

European Commission IDABC Programme

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2008-08-29	FR_Person	
2008-08-28	FR_Address	
2008-08-21	SEMIC.EU taxonomy	
2008-08-18	Naming and Design Rules OIOXMLNDR 3.0	
2008-08-04	SDMX	

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Projects

STASIS
Software for Ambient Semantic Interoperable Services

Software for Ambient Semantic Interoperable Services (STASIS)

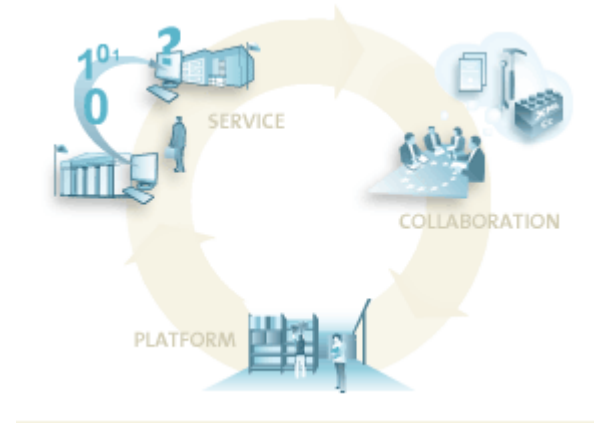
When collaborating, companies invariably need to exchange information electronically, however, due to the large number of diverse information systems, the data format (syntax) of messages usually differs from company to company.

LAUNCH VIDEO

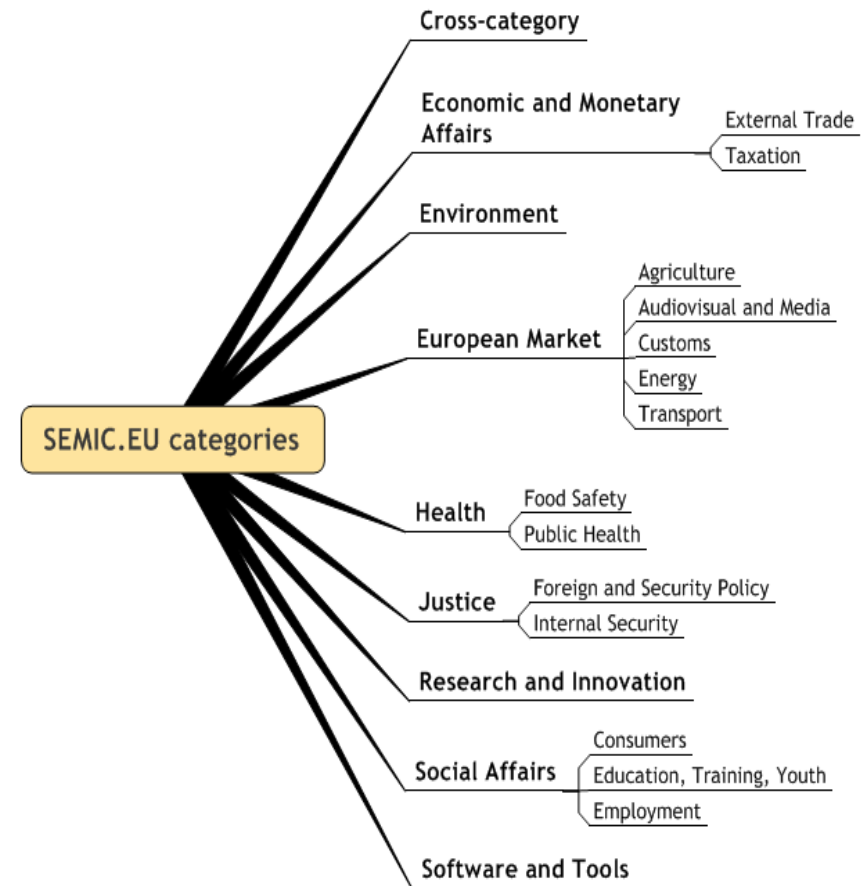
- **Providing support for seamless data exchange, through sharing of interoperability assets between administrations**
- **Creating pan-European synergies by identifying interoperability assets that can be exploited for other projects**
- **Tackling the challenge of multilingualism**
- **Support pan-European collaboration on the re-use of assets and even developing assets together**
- **Co-ordination with European standardisation organisations**

Semic.eu – How does it work?

- **Service – SEMIC.EU provides services for interoperability solutions, asset development and community building.**
- **Collaboration – SEMIC.EU builds communities for pan-European eGovernment. It is important to overcome national boundaries. Senior experts on semantic interoperability sustain communities and foster their collaboration.**
- **Platform - The repository represents the core of the SEMIC.EU platform. Browsing, downloading and publishing of assets are supported through user-friendly workflows.**



- A taxonomy – practice of classification
- SEMIC.EU re-used the same taxonomy for domains as the Europa site
- Taxonomy already officially translated in all EU languages



- **DG Mare – Using semic.eu to launch a consulation process for all EU MS for a unique classification of commercial fish names**
- **DG Environment – classification of waste discussions through semic**
- **DG Employment – taxonomy for jobs and skills common for all MS and in 23 languages**
- **Finnish Administration is involved in the re-use of the technology**

Benefits for user

- **Saving time and money**
- **Security of investment by the use of proven and quality assured interoperability assets**
- **Identification of communities in their specific domains and exchange of experiences**
- **Coaching and support on how to use**

Benefits for provider

- **Promoting existing interoperability assets**
- **Enlarging existing project networks**
- **Building domain specific communities**
- **Using SEMIC.EU collaboration and communication functionalities, support budgets**

Semic.eu – Get Involved

- **SEMIC.EU is constantly growing**
- **To choose to publish your assets in our repository is to contribute to a service making the internet a place of semantic interoperability**
- **Re-using your assets by other institutions is an efficient and easy way of developing it further**
- **Together you will earn the interests of cooperation**

- **Next Steps - Visit, Register and start collaborating through <http://www.semic.eu> or contact us on contact@semic.eu**

Thank you for your attention!

