

META  NET

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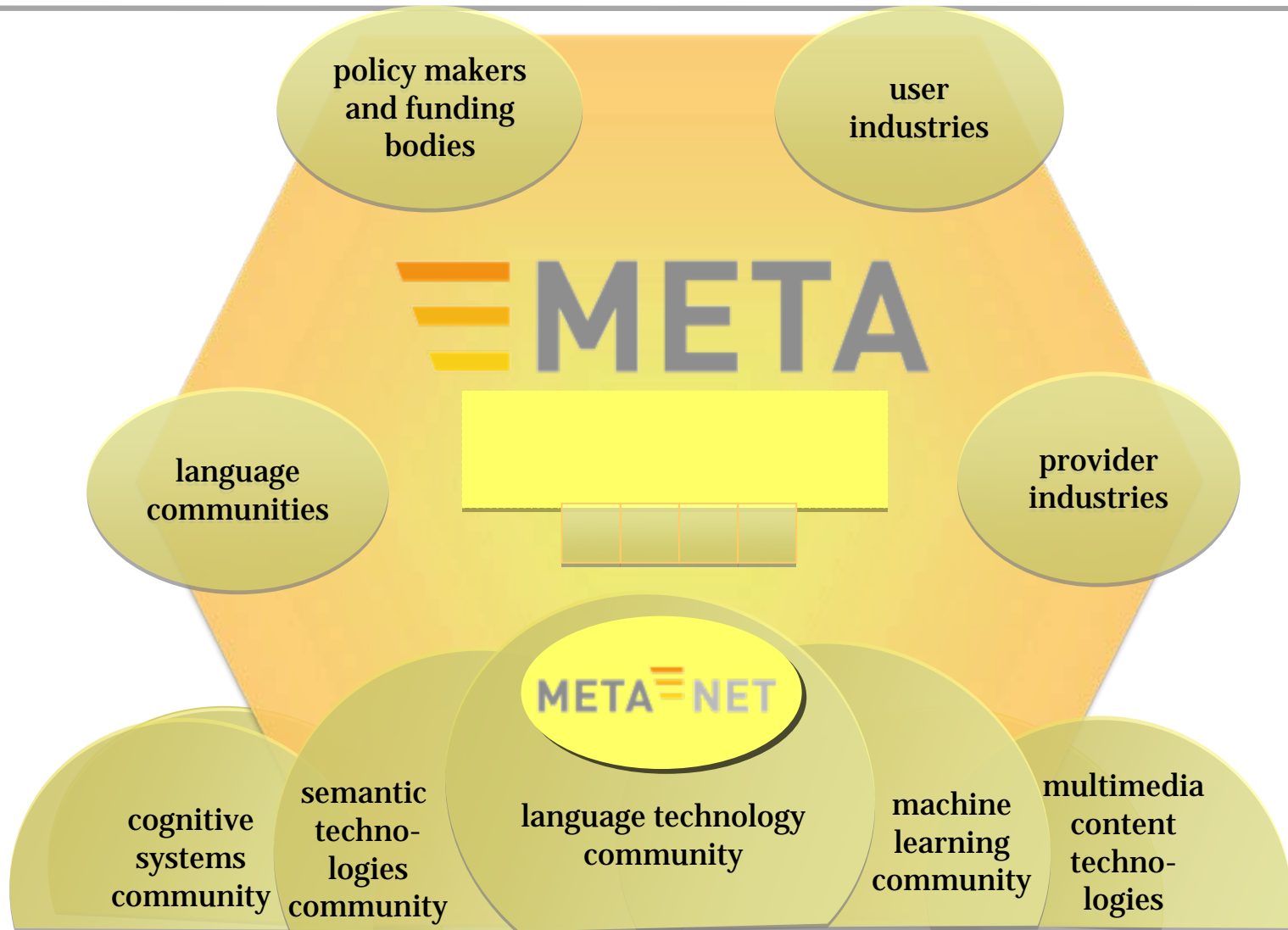
META  SHARE

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- ◆ **META-NET** is a **Network of Excellence** dedicated to fostering the technological foundations of the European multilingual information society
- ◆ A large-scale concerted effort by building a strategic alliance of national and international research programmes, corporate users and commercial technology providers and language communities
- ◆ Strengthen the European research community through research networking and new schemes and structures for sharing resources and efforts
- ◆ Build bridges by approaching open problems in collaboration with other research fields such as machine learning, social computing, cognitive systems, knowledge technologies and multimedia content



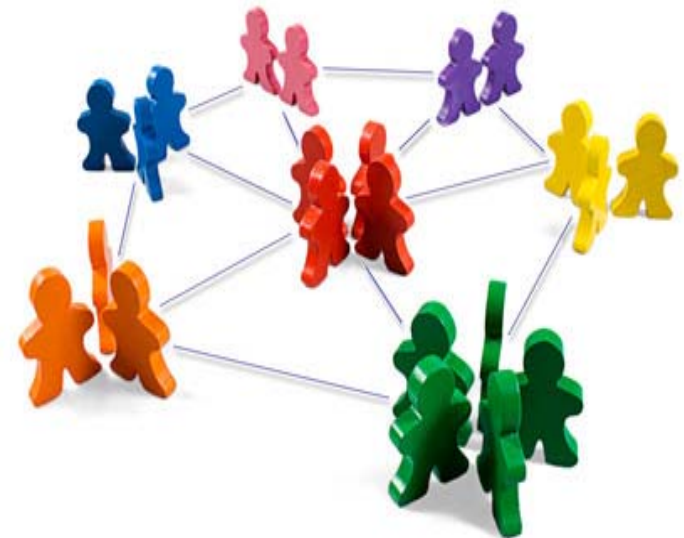
- ◆ The **META-NET** objectives translate into three lines of action:

Building a community with a shared vision and strategic research agenda

Building **META-SHARE**
Open Resource Exchange Facility

Building bridges to
neighbouring technology fields

- ◆ **Goal:** mobilize researchers, enablers, providers, (potential) users of technologies, and R&D programmes for cooperation in **META**
- ◆ **Means:** a large-scale joint action to
 - **Survey** the field
 - Create a **shared vision** that feeds into a **Strategic Research Agenda**
 - **Build a multiplayer community** via external liaisons, promotion, etc.
 - **Spread knowledge** in training events



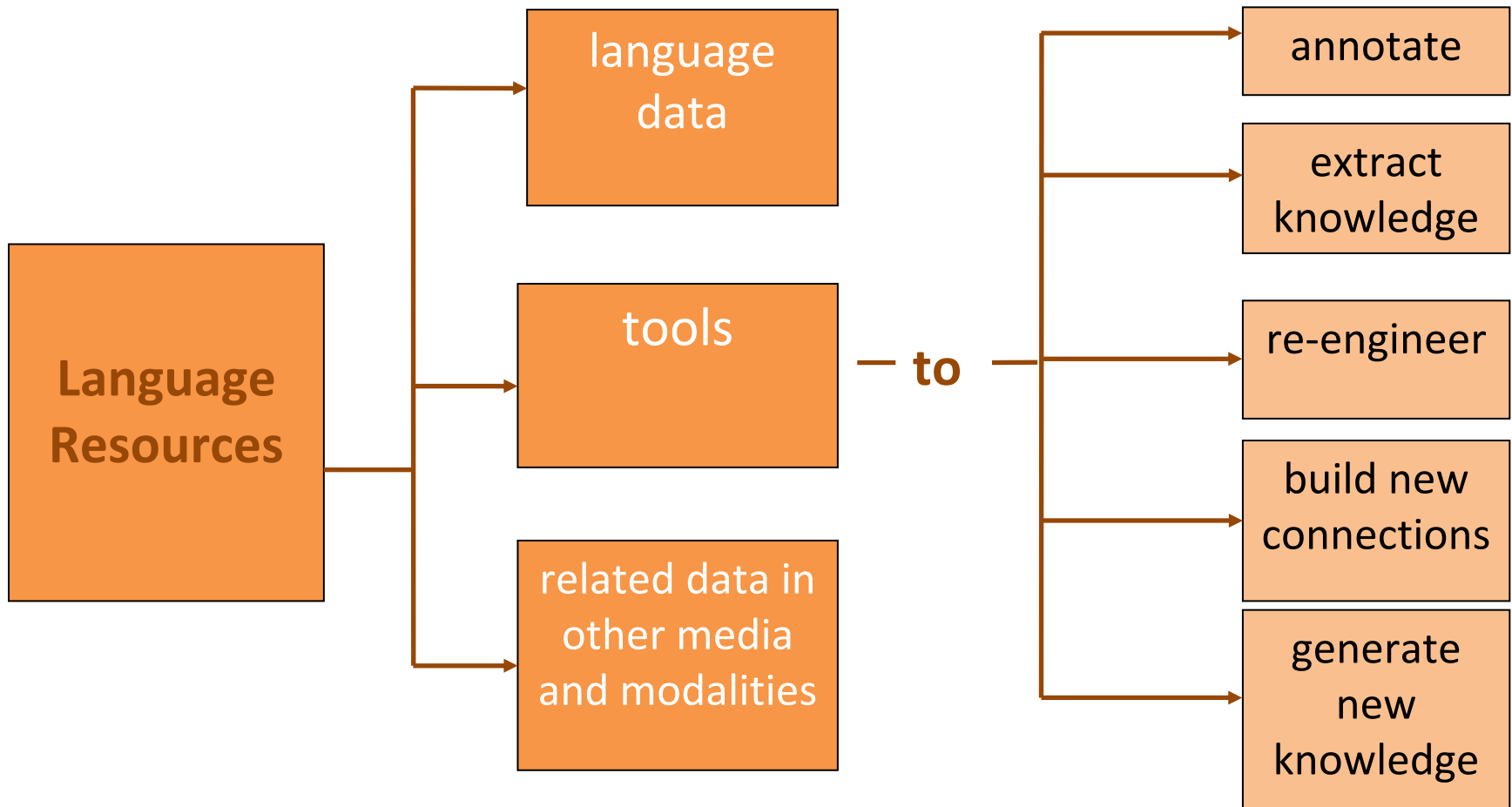
To involve major actors in the vision and planning process, a broad range of communities will be involved with different means:

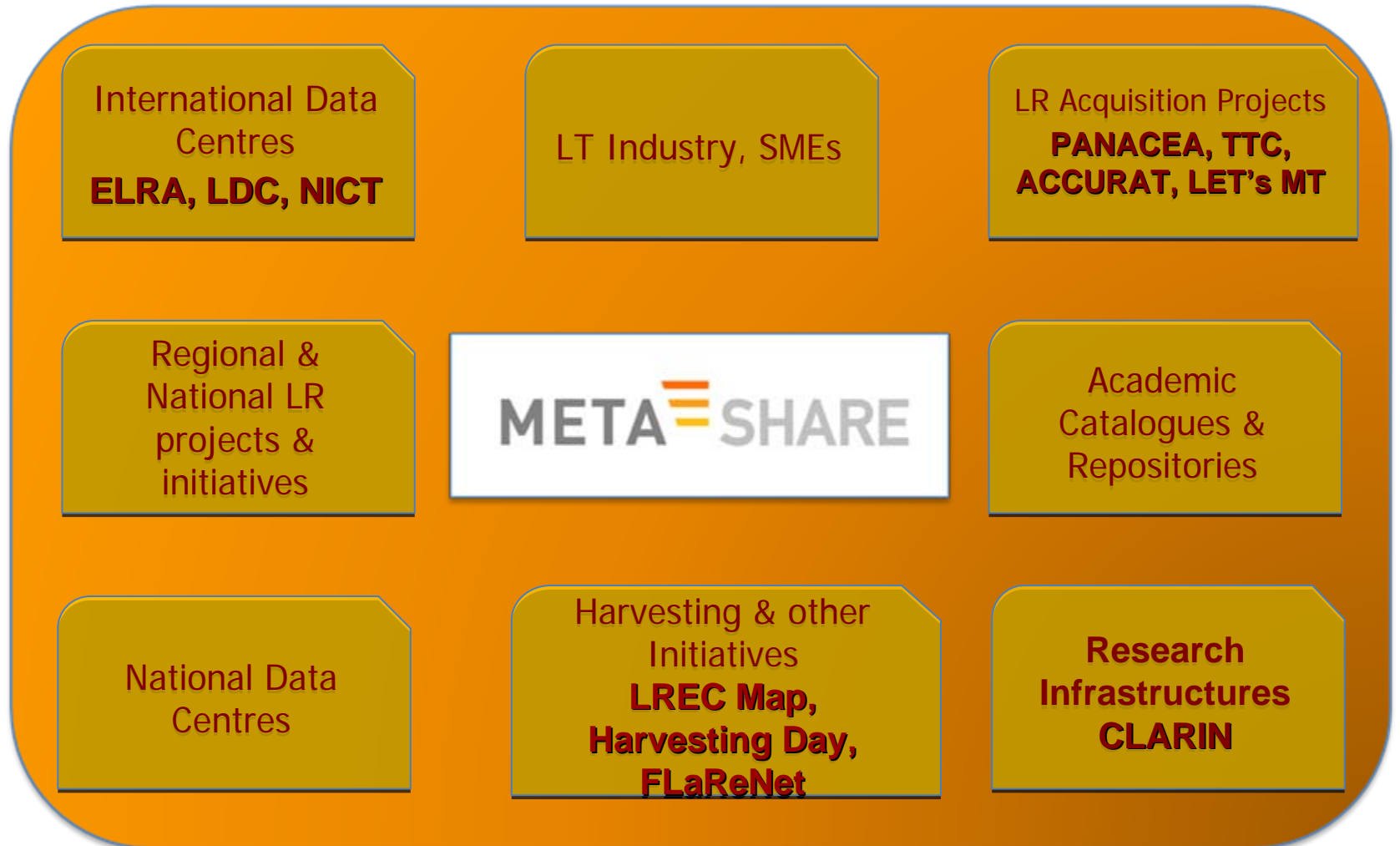
- **Vision Groups** will bring together researchers, developers, integrators and (actual or potential, corporate or professional) users of LT-based products, services and applications.
- **A Technology Council** will prepare a vision paper “European Multilingual Information Society 2020”, a comprehensive roadmap including individual roadmaps for key socio-economic sectors, light-tower application visions.
- Finally, a **Strategic Research Agenda** (SRA) will be presented by the Council.

◆ META SHARE is an

- open
- integrated
- secure
- interoperable

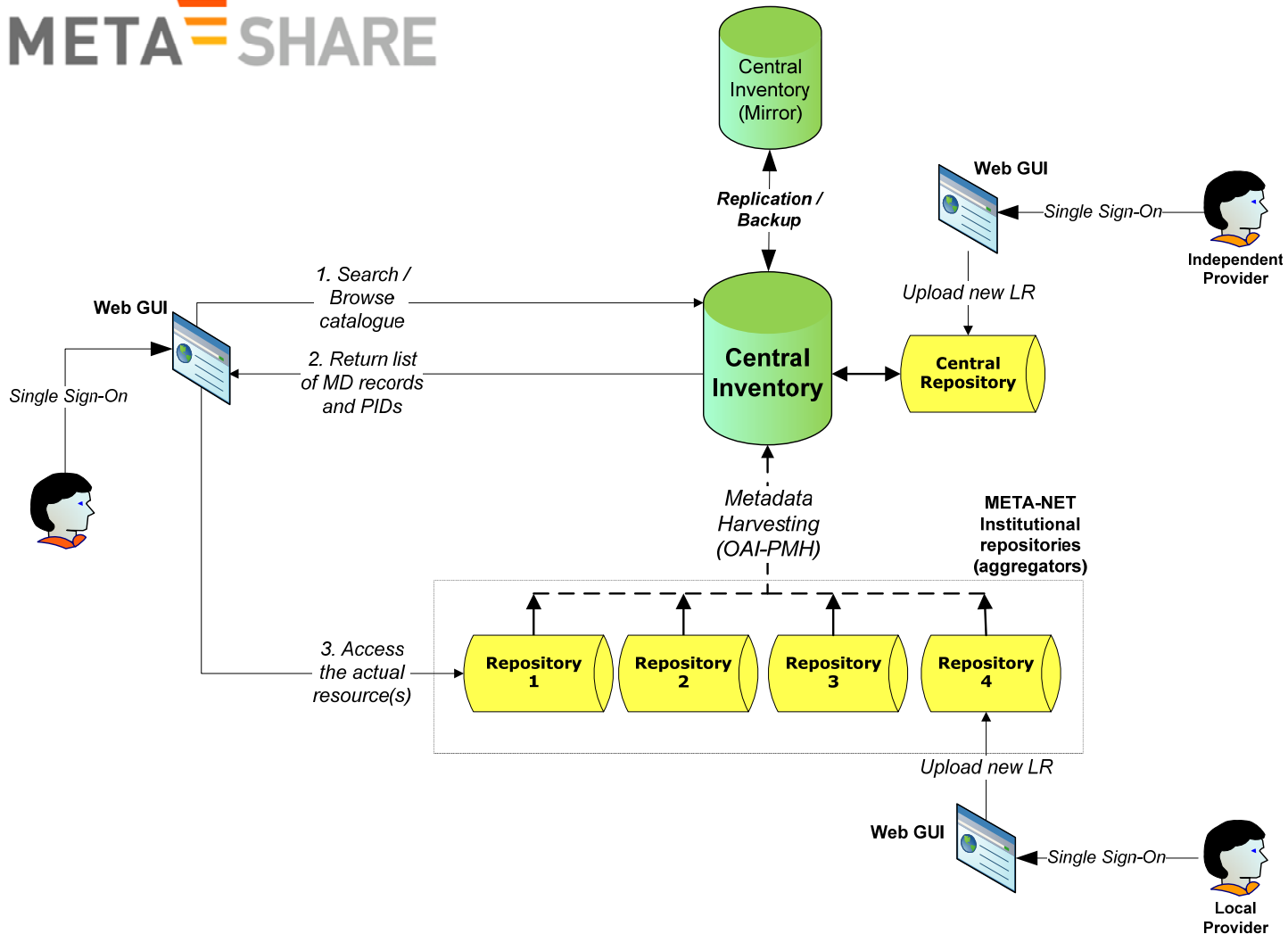
exchange facility for language data and tools for the Human Language Technologies and other applicative domains (e.g., digital libraries, cognitive systems, robotics, etc) where language plays a critical role





- ◆ A marketplace where language (and related) data and tools are
 - Documented
 - Uploaded and stored in repositories
 - Catalogued and announced
 - Downloaded
 - Exchanged
 - Combined
 - Discussed
 - Aiming to support a data economy

META-SHARE



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- ◆ A channel to share & distribute language data and tools
 - ◆ Technical solutions for building one's own repository
 - ◆ Protocols and mechanisms for making the descriptions of resources (as well as the actual resources) harvestable
 - ◆ Guidelines and recommendations on standards used in the LR production and documentation processes
 - ◆ Recommendations on data and tools licensing issues
 - ◆ Above all, access to large catalogues of documented, high-quality resources, as well as the actual data & tools

Four scientific goals that have not yet been addressed systematically in the Machine Translation community are pursued:

- Bringing more **semantics** into translation
- Optimising division of labour in Hybrid Machine Translation (consolidation of **paradigms**)
- Exploiting the “context” for translation (e.g., **multimedia**)
- Extending the Empirical base for machine translation (using advanced **machine learning**)

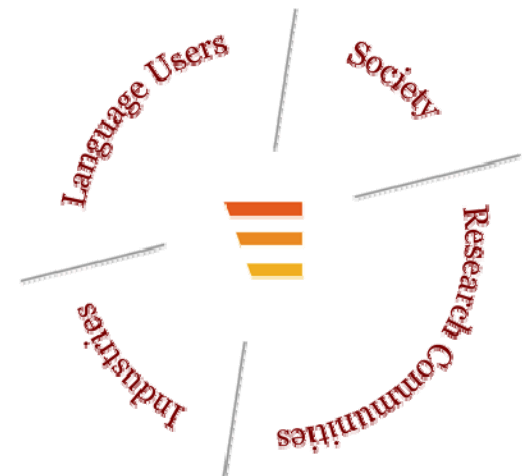
How to Participate in META?

- ◆ META will officially be founded in November 2010 at an event in Brussels.
- ◆ Members of META will be able to influence the technological development as well as funding activities supporting research and development of the European ICT field.
- ◆ More information on how institutions and individuals working with language technology can participate in META will be published in the Spring/Summer of 2010 at online at <http://www.meta-net.eu>.

Take Home Message

- ◆ **META-NET** is dedicated to the technological foundations of the European multilingual information society.
- ◆ Involved are applications that
 - enable communication and collaboration among people without language boundaries,
 - secure users of any language equal access to the information and knowledge society, and
 - include and push forward functionalities of networked information technology.

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Multilingual Europe Technology Alliance

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- ◆ CLARIN and META-NET are complementary initiatives, serving different communities with different but harmonizing goals.
 - ◆ Shared interests and approaches have been identified with respect to methods and instruments in the area of language resource infrastructures concerning both technical solutions and organizational models.
 - ◆ common core metadata descriptions for categories of resources relevant to both initiatives could be envisaged
 - ◆ Common core metadata will enable cooperation, the possibility to link data objects and/or their descriptions, the exchange of data of interest to both communities and the way towards fostering standardisation (where and when possible and necessary) and interoperability.
 - ◆ Implementation of data repositories, data identification procedures, as well as metadata harvesting protocols and tools constitute a field of collaboration.
 - many existing solutions from the Digital Libraries world can be adopted by both projects and building blocks as well as basic software can be largely shared.
 - ◆ A first step towards cooperation between Clarin and META-NET — involving other stakeholders as well — has been the deliberation on an agreement concerning (emerging) standards.
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Thank you!!!