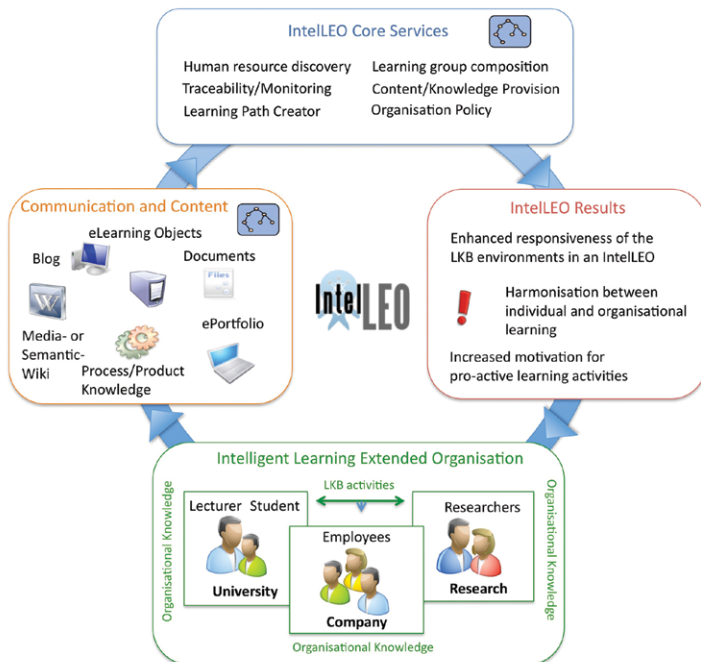


Vision

IntelLEO has the vision to support individual and collective learning and knowledge building activities with innovative technologies, embedded in social-constructivist design principles. Contextual constraints are of special importance in an IntelLEO setting as we expand the collaborative activities beyond a single organisation.

In the future we envision knowledge workers from hybrid organisational contexts to proactively establish learning communities across organisational borders. In these cross-organisational learning communities advanced technologies will support connecting individual knowledge gain with organisational learning and expanding it by collaborative activities amongst colleagues and beyond.



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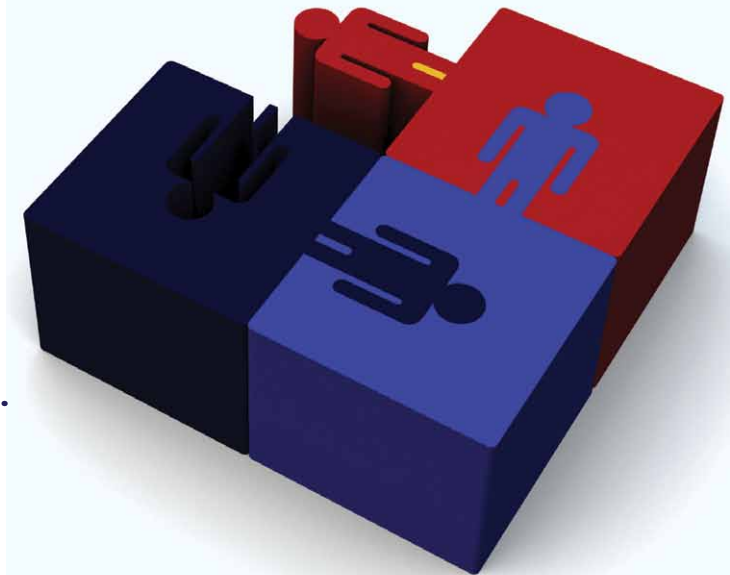


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www.intelleo.eu
Intelligent Learning
Extended Organisation



Project

The project IntelLEO aims to explore supportive technologies for learning and knowledge building activities of learners in Intelligent Learning Extended Organisations (IntelLEO). An IntelLEO represents a community that emerges as a temporal integration of two or more different business and educational communities and organisational cultures (industrial, research and educational) and leverages innovative ICT technologies to support successful knowledge sharing. The objective is to explore how the responsiveness of the learning environments in an IntelLEO can be radically enhanced by a synergy between services for efficient management of collaborative knowledge building activities and the harmonisation of individual and organisational goals.



Pedagogical framework

For successful collaborative learning and knowledge building activities the motivation of the individual is crucial. Important motivational factors for collaborative activities and knowledge sharing are ownership, autonomy, positive feedback, trust, personal contact etc.

The pedagogical experts in IntelLEO define a framework of activities and processes that take these factors into account and equally consider individual as well as organisational needs.



Learning & knowledge building services

From a technical point of view the project develops an innovative ontological framework for learning context representation, as well as generic and widely applicable services, fitting SOA principles, supporting the:

- Management of social interactions
- Provision of learning resources
- Provision of the most appropriate learning path for individuals and groups
- Scaffolding of the learning process of individuals in accordance with organisation objectives and policy

Evaluation framework

The new services are validated within three IntelLEO business cases, each involving heterogeneous actors from business and educational organisations. The business cases serve to co-design and evaluate the IntelLEO services, applying a participatory design approach that blends qualitative and quantitative evaluation activities and involves end-users, researchers, designers and system developers in a spiral cycle of design development, analysis and evaluation.

Socio-economic context

The wider socio-economic context is an important factor for the future success of the IntelLEO results. Thus, the project takes a look at the broader socio-economic context – beyond the context of the three specific cases – in order to identify the possible applicability and usefulness of the proposed IntelLEO approach.



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