

- » BOOST PERFORMANCE
- » REDUCE COST
- » INCREASE AGILITY
- » ENHANCE CRM
- » SHORTEN TIME TO MARKET
- » DRIVE INNOVATION
- » IMPROVE EFFICIENCY
- » INCREASE ADAPTIVITY
- » ENABLE BUSINESS TRANSPARENCY
- » ENSURE REGULATORY COMPLIANCE



CONSULTING > SOLUTIONS > OUTSOURCING

Technology Enhanced Learning Unit

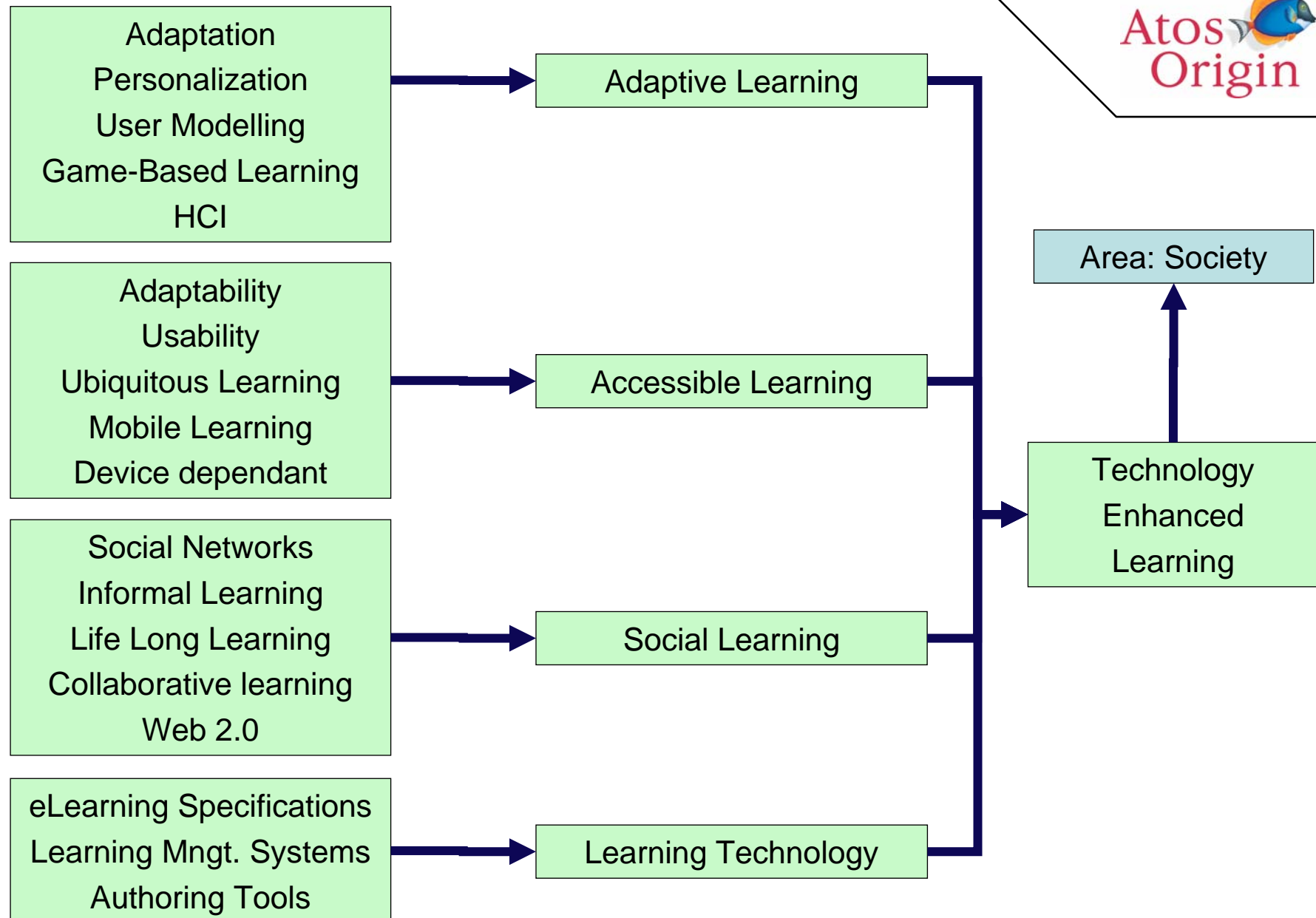
Society Area

ATOS Research & Innovation

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Technology Enhanced Learning Unit



Technology Enhanced Learning Unit



Description and focus:

- Concentrates on **any type of learning, training and educational, interactive process and technique** using any electronic device and means, such as Internet, mobile networks, consoles, desktop computers, and pda's
- Focused on an assorted, structured and related **collection of fields**: Adaptivity, Adaptability, Personalization, Accessibility, Collaboration, Usability, User Modeling, Learning and Social Networks, Game-based Learning, eLearning Specifications, Human Computer Interaction, Learning Management Systems, Ubiquitous Learning, Disruptive Learning, Life Long Learning, Mobile Learning, Learning Technologies...
- With a special stress on facilitating eLearning for all, people with special needs included, and every possible device, which encourages **adaptation and accessibility** of learning processes, content, assessment and interfaces

Current research and tasks:

- **Social Networks, Learning Environments, and Specifications**
 - Social networks, thematic networks, learning networks (i.e. informal learning, reputation, trust, collective behaviour)
 - Open Source learning software
 - Computer-based teaching and learning models
 - Training systems and services
 - Integration of eLearning specifications and metadata in learning processes, content and objects
- **Adaptation & Accessibility**
 - Technological advancements for providing adaptive, accessible eLearning & blended Learning services (i.e., adaptive environments; personalised contents, interface and learning flow)
- **Consulting**
 - Assessment of learning and training needs in corporate contexts
 - Assessment of eLearning contents for specific training needs
 - Translation of face-to-face teaching into eLearning, bLearning contexts
 - Development of a complete “Information & training” strategy for key customers

Technology Enhanced Learning Unit



Challenge 2009-2011 is three fold:

- To deal with the increasing information over flooding that could bring learning to a standstill situation
- To design, integrate and foster informal learning networks that actually work and provide a structure and personalised learning experience out of collaborative environments, information exchange and networking
- To support, complement and improve formal learning in schools and higher education with innovative processes, strategies, devices and tools, in line with the current and forthcoming state of the art and societal requirements

Closed projects, ...-2008:

- **A PONTE**: Introduce awareness of the Internet and facilitate access to Internet services in Rural Secondary Schools and Professional Training Centres
- **Correos, IRIS training**: Interactive training course about corporate software of the Spanish National Postal Service
- **EASEL**: Access to various repositories and construction of XML metadata repository for storing descriptions of adaptive content and interactive assessment resources
- **e-COMODE**: Validation of an open digital learning environment, which assists young students in creating modelling activities, improving their creative thinking
- **ESIS**: Internet-based Repository
- **EUROPANET**: European Psycho-pedagogical Assistance Network

Closed projects, ...-2008:

- **HOPE:** e-learning support for socially excluded individuals
- **HUMAN:** a web-based platform for in-house clinicians training
- **MALTED:** Software tool for tutors and learners of language courses).
- **MODELLINGSPACE:** Space of ideas of expression, modelling and collaboration for the development of imagination, reasoning and learning
- **SMILE:** multimedia language course for self-study as well as training material for the deaf to learn reading and writing skills
- **TELENET:** Distance web-based learning environment
- **SUMA 2007:** Adaptive and multimodal eLearning integrated with the OKI standard

Ongoing projects, ...-2008-...:

- **AGENT-DYSL**: Development of an agent-based software service to support the reading skills of dyslexic children
- **EU4ALL**: Elaboration of a new model for the provision of Higher Education services accessible to all
- **FLEXO**: Adaptive, accessible and open source eLearning framework
- **GRAPPLE**: Development of an adaptive and personalised learning environment
- **STELLAR**: Network of Excellence focused on Technology Enhanced Learning
- **SUMA 2008**: Adaptive and multimodal eLearning integrated with the OKI standard

Ongoing contributions to projects of other Units/Areas, not focused on, but related to Technology Enhanced Learning:

- **SISTER** (International Cooperation Unit): partnership collaboration with Sofia University to enhanced Software & Services and Intelligent Content & Semantics research areas. Focus on international consulting on academic contexts and negotiation of agreements
- **LUISA** (Semantic Unit): Learning Content Management System Using Innovative Semantic Web Services Architecture. Focus on dissemination
- **COMEIN** (Societal Development Unit): Online Mobile Communities to Facilitate the Social Inclusion of Young Marginalised People. Focus on User Interface and User Modeling. Focus on proposal redaction and negotiation of agreements

Ongoing contributions to projects of other Units/Areas, not focused on, but related to Technology Enhanced Learning:

- **NI-HAO** (International Cooperation Unit): setting up an IST National Contact Point in China to promote bilateral collaborations. Focus on EU review
- **VARIAZIONI** (Societal Development Unit): content enrichment portal where major European Musical Institutions and User communities integrate, enrich and reuse existing musical contents. Focus on management and negotiation of agreements
- **Information Society EU-China** (International Cooperation Unit): Research on Establishment of ICT Measures for Social Development. Focus on project management, social analysis and negotiations

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