



ESTRELLA
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First Training course for LKIF

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KnowledgeTools International GmbH (DE)
SOGEI - Societa Generale d'Informatica S.P.A. (IT)
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Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the Consortium (including the Commission Services)	

EXECUTIVE SUMMARY

This document contains the educational material that has been developed within Estrella (period January 2006 up and until December 2007). It also gives an overview of the courses given within and outside Estrella (as for instance the 2007 Summerschool on Legislative XML in Florence). The material is organized according to the validation phases of the pilots, moving from existing vendor tools, via Semantic Web technologies to, full use of LKIF.

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1 Introduction

This document gives an overview of the educational material for LKIF that has been developed and used during the first two years of Estrella. It also reports on the various training courses given.

The development of training material and the training courses has followed the phases for the pilots laid down in the validation plan:

- Phase 1: Getting acquainted with the tools and methods provided by the Estrella partners;
- Phase 2: Shift towards semantic web technology;
- Phase 3: Full use of LKIF.

In this report the educational material is described per phase. The actual material can be found on the reviewers relay, under deliverable 5.2.

2 Phase one: Getting acquainted with existing tools and methods of Estrella partners

- RuleBurst training in London, from 27th of November up and until the 1st of December 2006.
Training on RuleBurst methodology and Tool. Participants were Guiseppe Contissa from the University of Bologna and Zsuzsa Vass from the Hungarian Tax and Financial Control Administration (the local champions of the pilots).
- knowledgeTools training in Berlin from the 27th of March to the 30th of March 2007.
Training on the knowledgeTools methodology and tool. Participants were Guiseppe Contissa from the University of Bologna and Zsuzsa Vass from the Hungarian Tax and Financial Control Administration.
- RuleWise Quick Scan.
Checklist and examples for analysing the quality of legislation. Provided to the whole project via the groupware facility in April 2007. The powerpoint presentation can be found on relay (*PresentationQuickScan_basis.ppt*).
- Introduction into RuleBurst in Italian used at the training sessions for the Italian pilot (See *Intro_Ruleburst.ppt* and *Intro_Ruleburst_parte2.ppt*)
- Basic information on Norme In Rete, the Italian XML standard for legislation, in Italian (See *NIR-basic.ppt*).

3 Phase two: Towards semantic web technology

- Tutorial on Protégé and OWL.
The famous pizza tutorial providing guidance in learning to work with Protégé and OWL can be found on <http://www.co-ode.org/resources/tutorials/ProtegeOWLTutorial.pdf>.
In March 2007 the partners have been directed to this tutorial to learn OWL.
- Estrella OWL training week at the University of Amsterdam from 11-14 December 2006. Participants: Adam Wyner (UL), Rossella Rubino (University of Bologna) en Andras Forhecz (University of Budapest), Tom Gordon (Fraunhofer Gesellschaft)
- UvA in house lecture on Semantic Web Technologies. Introduction on XML, RDF and OWL. See on relay: *semweb-primer-ch1-4.ppt*.
- Basics on XML in Italian (*XML-basic.ppt*) Used for the Italian pilot.

4 Phase three: Full use of LKIF

- Presentation giving an overview of LKIF. (Relay: *Estrella-T1-all.ppt*).
- Several presentations on several aspects of LKIF used as training material during the Legislative XML Summer School in Florence, 10-15 September, Florence, Italy. This material can be found on relay under *Summerschool Florence 2007*.
- Tutorial about how to model legislation with LKIF-core. This tutorial can be found on relay under *TutorialLKIFcore.pdf*.
- Experiences and best practice lessons of modelling the Nomic Game with LKIF (see relay *ReportNomic.pdf*) and a presentation about this experiences (*NomicPresentation4okt2007.pdf*).
- Summary description of D1.1. giving a description of the highlights of LKIF as presented during the review and developments since then. This summary can be found on relay under *D1.1 - Summary.pdf*
- Presentation on Metalex and LKIF (See *MetalexAndLkifJurix2007.pdf*)
- Metadata in Metalex. Presentations about designing and using metadata in metalex (See *MetadataFiesole2007.ppt* and *events-jurix2007.ppt* on relay).
- Information on Metalex/CEN and the role of Estrella in the workshop. See <http://www.metalex.eu/documentation/>
- Presentation on Metalex/CEN for the Italian pilot in Italian (See *SOGEI2007v2.ppt*).
- Material on Carneades, the reference inference engine can be found in: Gordon, T. F. Constructing arguments with a computational model of an argumentation scheme for legal rules. In *Proceedings of the Eleventh International Conference on Artificial Intelligence and Law* (2007), pp. 117-121.
- User manual on Alex Gold, one of the inference engines that are used within Estrella. The manual can be found on relay under *AlexGold 3.0 User's Manual - extract v.1.0.doc*

5 Concluding remarks

On every aspect of LKIF there is educational material developed which can now be moulded into the final LKIF user report (D4.5).