



TECHNICAL DEVELOPMENT OF THE NEEDED SOFTWARE
DESCRIPTION AND WORK METHODOLOGY TO BE
DEVELOPED

KICK OFF CONFERENCE, BRUSSELS 28 FEBRUARY 2018

FACTS:

- INCREASED DEMAND OF LAND REGISTRY INFORMATION
- DIVERSITY OF LAND REGISTRY SYSTEMS
- COMPLICATED WAYS TO GET AND UNDERSTAND LAND REGISTRY INFORMATION
- DYNAMICS OF THE CIVIL TRAFFIC (INCLUDING CROSS-BORDER TRANSACTIONS)
- LAND REGISTRY INFORMATION NEEDED ABROAD (i.e. COURTS)
- DYNAMICS OF THE LEGISLATION

REQUIREMENTS:

- BETTER UNDERSTANDING OF LAND REGISTRY INFORMATION
- EASIER AND FASTER ACCES TO INFORMATION
- HOMOGENEOUS STRUCTURES OF INFORMATION
- NO PREJUDICE TO NATIONAL LEGAL SYSTEMS

IMOLA II - METHODOLOGY:

- IDENTIFICATION OF DOMAIN AND PURPOSE
- IDENTIFICATION OF LANGUAGE SYNTAX AND SEMANTICS
- EXTRACTING KNOWLEDGE
- CREATION OF KNOWLEDGE ORGANISATION SYSTEM
- EVALUATION OF RESULTS
- TOOLS DEVELOPMENT

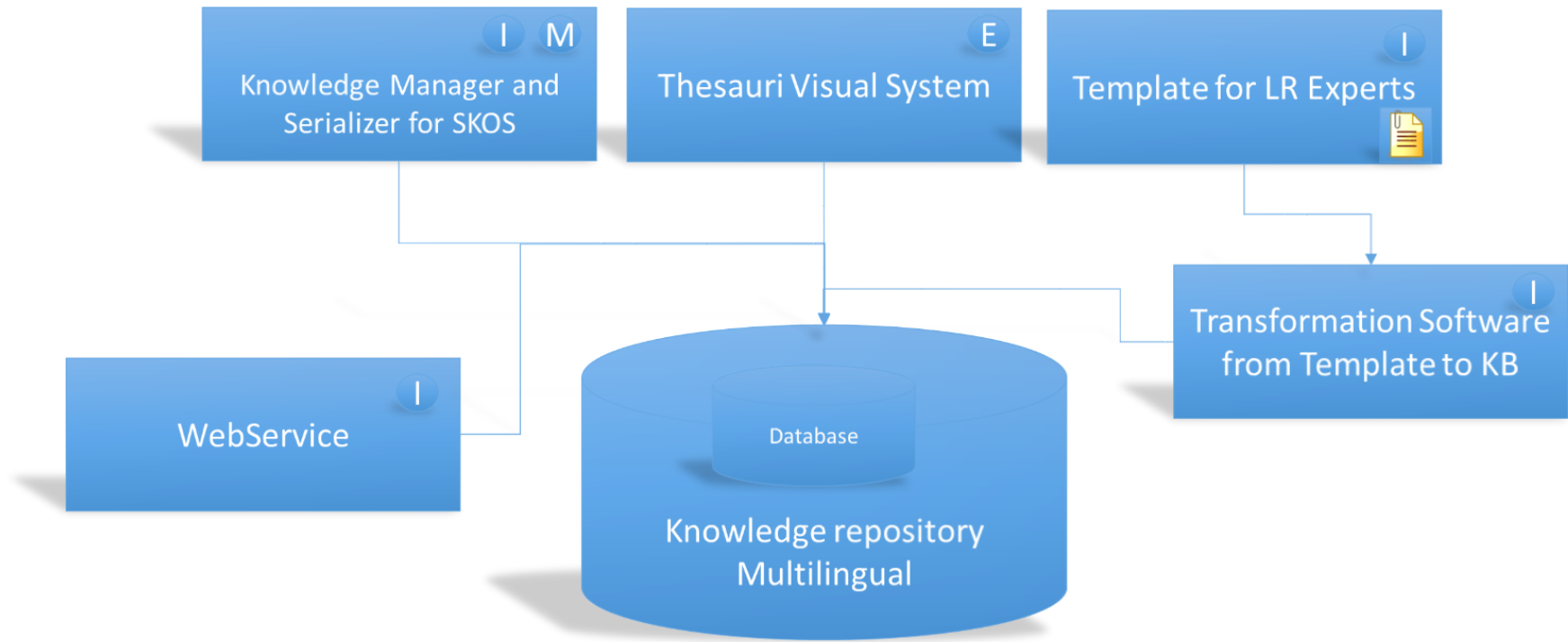
MILESTONES

- KNOWLEDGE REPOSITORY
- INTEGRATED WEB SERVICE interconnecting other systems to KOS (knowledge organisation system)
- ELRN INPUT SYSTEM to create, maintain and update the knowledge repository
- SUPPORT AND TRAINING

THE NEED FOR AN INPUT SYSTEM

- LAND REGISTRY EXPERTS need to feed the system in order to build the knowledge repository and to create the KOS
 - Web system as an entry point for information
 - Wiki – users can add or update information
 - FS updating procedure required
 - Standardised feed - template related to the MS LR
 - Controlled vocabulary
- TRAINING MATERIALS
- FAQs

ELRN INPUT SYSTEM



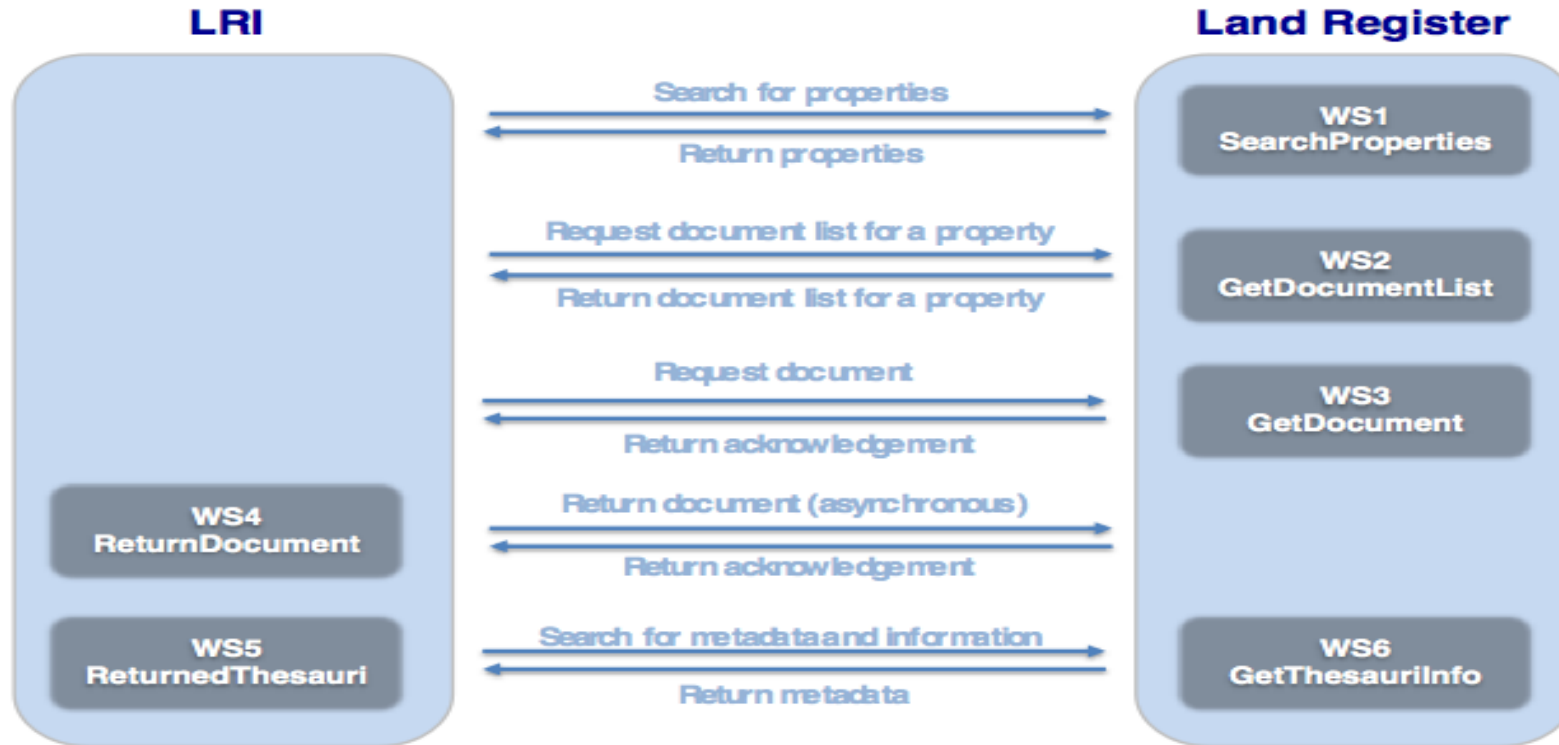
TECHNICAL DEVELOPEMENT:

- WEB SERVICE FOR INSERTING, UPDATING AND RETRIEVAL OF INFORMATION FROM SKOS (SIMPLE KNOWLEDGE ORGANISATION SYSTEM)
 - Exchanging protocol – SOAP, Transport security enhanced, EU LOGIN authentication can be used
- CUSTOMISATION OF THE KNOWLEDGE MANAGEMENT SYSTEM
- VISUALISATION OF THE SEMANTIC STRUCTURE. DEVELOPMENT OF A SYSTEM WHERE LRE OR INTERESTED AUDIENCE IN THE FIELD CAN CHECK THE SEMANTIC STRUCTURE (THESAURUS)
 - DEVELOPMENT OF THE WEB-BASED SYSTEM FOR VISUALISING THE SEMANTIC STRUCTURE AND NAVIGATE THROUGH DIFFERENT CONCEPTS AND CONCEPTS RELATIONS

TECHNICAL DEVELOPEMENT

- DEVELOPEMENT OF A SYSTEM/INTERFACE FOR SHOWING THE THESAURUS AS:
 - CONCEPTS WITH THEIR GENERAL DESCRIPTION,
 - SYNONYMS,
 - RELATED CONCEPTS
 - SPECIFIC INFORMATION FOR EACH MS (UP TO DATE)
- TEST CASES FOR CHECKING ALL THE FUNCTIONALITIES

IMOLA integrated web service



Thank you!