IMOLA III

Interoperability Model for Land Registers

TECHNICAL DEVELOPMENTS

IMOLA I
Interoperability Model for Land Registers

- PROOF OF CONCEPT
- EUROPEAN LAND REGISTRY DOCUMENT
  - o COMMON DENOMINATOR
  - o FULL RESPECT WITH MS LAW
  - o ADAPTABLE TO EACH MS LR
  - o SEMANTIC MODEL
  - o REFERENCE INFORMATION

IMOLA II
Interoperability Model for Land Registers

- SEMANTIC INFORMATION LINKED TO THE LEGAL TERMS USED IN IMOLA I
- KNOWLEDGE MANAGER
  - o PIVOT TERMS
  - o ONTOLOGIES
  - o TAXONOMY
- KNOWLEDGE REPOSITORY, THESAURUS OF LEGAL CONCEPTS
- INTEGRATED WEB SERVICE FOR INTERCONNECTION

MAIN GOALS:

- **Semantic model – consolidation and extension**

- **centralized platform and new web services facilitating a common ELRD interface to ensure the LRI integration.**

- **Mapping property rights concepts schemes and aggregation of a different set of data (clustering).**

TECHNICAL DEVELOPMENTS:

- Construction of tools for supporting the whole processes for NLP techniques
- Semantic indexing and retrieval
- Mapping property rights concepts schemes and aggregation of a different set of data (clustering).
- Multilingual tools,
- Semantic repositories with high quality of results based on retrieval parameters and the quality check to be performed.
- Updating the knowledge manager to be used by ELRN Contact Points

ALLIGNED WITH LRI

NEW TECHNOLOGIES:

- **Virtual platform to host I-KOS centralized database and to keep updated the input system technological tool**

- **New online services for the semantic integration with the e-justice portal**

- **Artificial intelligence**

THANK YOU!

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