ASPECT Plugfest
Building interoperability through metadata application profiles

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LOM application profiles in France

- 2000 – The AFNOR (French National Standardization body) works in the standardization of metadata for learning resources

- 2002 – LOM standard is published by IEEE

- 2003 – The AFNOR works in a French application profile : LOMFR

- 2006 - LOMFR is published (national application profile for every educational/training community)

- 2008 – SupLOMFR is developed (higher education AP)

- 2010 - ScoLOMFR is published (school level AP)

- **Characteristics**
  - Based in LOM
  - 3 new elements : document type (DCMI Type), activities, credits
  - 3 deprecated elements : interactivity type, interactivity level, semantic density
  - 2 mandatory elements : general.identifier, general.title
  - 16 recommended elements

  - Recommendations on the use of controlled vocabularies

- **Tools**
  - XSD schema
  - metadata editors
  - search engines

- **Use**
  - CNDP, Ministry of Education, Canal-U, thematic digital universities, CERIMES

- Characteristics
  - Based in LOMFR

  - 5 new elements : general document type, place, educational method, tool

  - 5 mandatory elements : general.identifier, general.title, general.language, general.description, localisation

  - 15 recommended elements (mainly of the educational category)

  - New vocabulary values
    - lifecycle.role, educational.learningResourceType, classification.objective

  - Vocabularies used with the Classification categoy
    - discipline, educational level, competencies, curriculum entries, labels, detailed intended end user roles

- Tools
  - XSD schema

- Projects
  - Vocabulary management
  - Presentation website

- Use
  - Educational community of the school level

- **Technical interoperability**
  - Validation issues
    - vCard structure
    - mandatory elements and cardinality
    - Use of standardized namespaces to validate the metadata records
  - Unique identifiers

- **Semantic interoperability**
  - Vocabulary management
    - Vocabularies from the classification category
    - Identifiers : <source> </source>

  - Metadata application profiles mapping
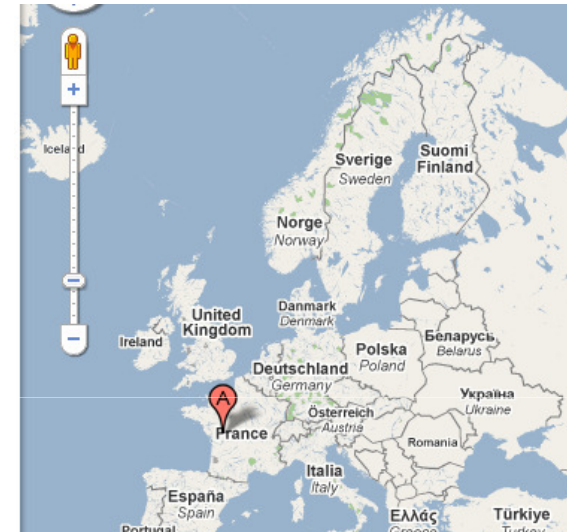   - from standard to standard
    - from native database to standard

Documents

- ## LOMFR
  - http://lom-fr.fr/
  - http://lom-fr.fr/xsd/lomfrv1.0/std/
  - http://lom-fr.fr/vdex/lomfrv1-0/
  - LOMFR Samples

- ## ScoLOMFR
  - http://www.educnet.education.fr/services/normes-tice/vocabnomen/scolomfr
  - ScoLOMFR Samples

- **French National Educational Resources Center**

  – French Ministry of Education operator
    - Publisher and producer of educational resources
    - Promoter of the use of ICT in schools
    - Supplier of tools, advice and training for teachers
    - Provider of access for existing educational resources

  – Member of the French education service network (SCÉRÉN)
    - 31 regional centers (CRDP)
    - 85 departmental centers (CDDP) and local centers (CLDP)

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