

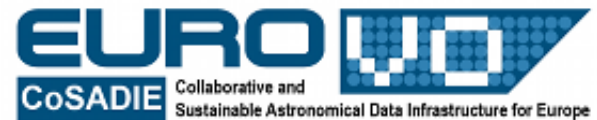
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# Educational Resources in the VO

...and the SVN repo for VO tutorials

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# Outline

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- ▶ **Edu Note**
  - ▶ The goal
  - ▶ Curated registry
  - ▶ Document registry extension
  - ▶ «i18n» resources
- ▶ **SVN repo for VO tutorials**



# Edu-IG Note goal

- ▶ introduce and explain practices followed and requirements found while creating and deploying astrophysical resources dedicated to educational purposes within the standard VO framework
- ▶ Issues, proposed solutions and desirables are reported to be possibly taken into account in future modifications of relevant standards.



## TOPICS



- ▶ curation of educational resources inside or along with standard registries
- ▶ use cases and techniques for registering and locating documents, tutorials and similar within the registries
- ▶ dealing with multiple languages



# Educational vs. Professional

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- ▶ No real technical issue
  - ▶ teaching & dissemination: edu
  - ▶ research driven: pro
- ▶ Simple tagging solution
  - ▶ Help resource discrimination
    - ▶ Also at client side
- ▶ *vr.ContentLevel* granularity
  - ▶ 9 possible optional values (4 including the word «education»)
    - ▶ misused, probably not clear
      - school level not homogeneous from country to country
  - ▶ Simplify to:
    - ▶ *General – Research – Amateur*
      - Add *Educational?* Substitute it to *General?*

# *ContentLevel* impact on registries

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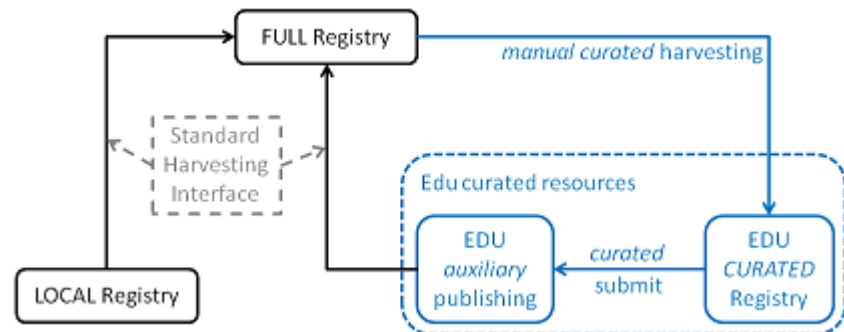
- ▶ **Minimal**
  - ▶ 97% of registered resources have *ContentLevel* set to *Research*
  - ▶ 2% have *ContentLevel* not set
  - ▶ 1% different or multiple values
- ▶ **While waiting**
  - ▶ Use the proposed solution as a «best practice»
  - ▶ Registries MAY map
    - ▶ *University* → *Research*
    - ▶ *!Amateur* → *General*

# Curated Registry for Edu resources



- ▶ ContentLevel solution is the tagging solution
- ▶ May be insufficient to separate the «edu» and «pro» scenarios
  - ▶ Curate a dedicated registry resource
    - ▶ Requirements:
      - Registry management and update
      - IVOA registry architecture restrictions

**avoid automatic harvest**





# Document Registry Extension

- ▶ Current registry extensions take not into account
  - ▶ Document language
  - ▶ Formatted/source material distinction
  - ▶ *accessURL* has not the same meaning

doc:Document Type Schema Definition

```
<xs:complexType name="Document" >
  <xs:complexContent >
    <xs:extension base="vr:Resource" >
      <xs:sequence >
        <xs:element name="language" type="xs:string" minOccurs="1"
          maxOccurs="unbounded" />
        <xs:element name="accessURL" type="vr:AccessURL" minOccurs="0"
          maxOccurs="unbounded" />
        <xs:element name="sourceURI" type="xs:anyURI" minOccurs="0"
          maxOccurs="unbounded" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```



# Document Registry Extension

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- ▶ Language in accessURL
  - ▶ maintainability issue
  - ▶ «landing page» solution preferred
- ▶ Source code URI
  - ▶ Allow non-HTTP schemes
    - ▶ SVN, git, ...
- ▶ uses suggested *relationship* with other VO resources the document may use

```
<relationship>  
  <relationshipType>uses</relationshipType>  
  <relatedResource>The ALADIN image server</relatedResource>  
</relationship>
```





# Internationalization

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- ▶ Educational dissemination in non English countries
  - ▶ DocRegExt
    - ▶ i18n titles?
    - ▶ ISO country or ISO language codes?
      - 2 letters, 3 letters, ...
  - ▶ Moving VOResource to allow different languages
    - ▶ i18n resources – multilingual
- ▶ SVN repo uses
  - ▶ «master» english resource
  - ▶ translated resources



# SVN repository: overview

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- ▶ Where:
  - ▶ <http://svn.ari.uni-heidelberg.de/svn/edu/>
    - ▶ Thanks to Markus 😊
  
- ▶ Why:
  - ▶ (ideally) cooperatively develop documentation
  - ▶ repository of updated use cases for users
  - ▶ repository of master english docs for translators

# SVN repository: readme & license



## ▶ README

- ▶ Users (contributor, translator, user)
- ▶ Document layout (readme, license, /res, /en, ...)
- ▶ How to update the translation status
- ▶ How to add a license
- ▶ How to add, update and translate tutorials
- ▶ Naming

## ▶ LICENSE

### ▶ CC-BY -ND or CC-0

- ▶ Share — copy and redistribute the material in any medium or format for any purpose, even commercially
- ▶ Attribution: you must give appropriate credit, provide a link to the license, and indicate if changes were made
- ▶ No derivatives: if you remix, transform, or build upon the material, you may not distribute the modified material



# SVN repository: users

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## ▶ Contributor

- ▶ the user that provides tutorials and/or updates them, needs the "commit" permission

## ▶ Translator

- ▶ a special "reader" who offers himself to translate a tutorial in his own language. Only needs "readout" grant but has to contact the contributor of each tutorial in order to have the translation uploaded

## ▶ Reader

- ▶ the final user of the repo, only needs "readout" grant

# SVN repository: document schema



- ▶ AIDA\_01\_the\_sky
  - ▶ README
    - ▶ brief description the use case (few rows)
    - ▶ contac person and e-mail
    - ▶ translation status
      - en (master): 24 Jan 2014
      - it: 24 Jan 2014
      - de: 14 Jun 2010
  - ▶ LICENSE
  - ▶ /en
    - ▶ en\_aida\_01\_the\_sky.doc
    - ▶ en\_aida\_01\_the\_sky.pdf
  - ▶ /...
  - ▶ (eventually) /res



# SVN repository: in the future

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- ▶ **html page for users**
  - ▶ friendly layout
  - ▶ index
  - ▶ search by keywords
  - ▶ brief description
- ▶ **new use cases**
  - ▶ search for contributors
- ▶ **increase translations**
  - ▶ **only EN and IT have all use cases translated**
    - ▶ search for FR, DE, NL, and ES translators
    - ▶ search for NEW (european) LANGUAGE translators



Thank you  
for your attention!

