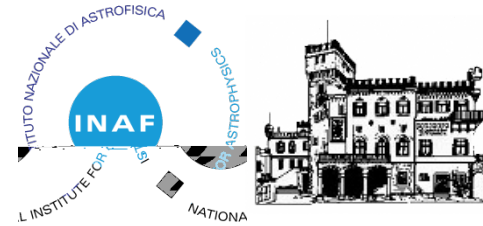


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Educational Resources in the VO

...and the SVN repo for VO tutorials

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Outline



- ▶ **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

- ▶ 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

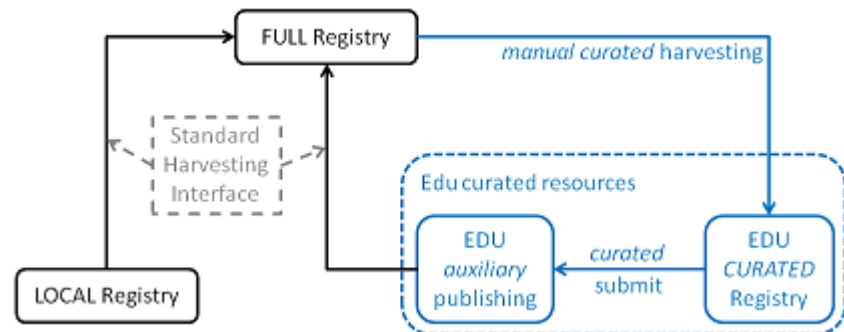
- ▶ **Minimal**
 - ▶ 97% of registered resources have *ContentLevel* set to *Research*
 - ▶ 2% have *ContentLevel* not set
 - ▶ 1% different or multiple values
- ▶ **While waiting**
 - ▶ Use the proposed solution as a «best practice»
 - ▶ Registries MAY map
 - ▶ *University* → *Research*
 - ▶ *!Amateur*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

- ▶ 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

- ▶ 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

- ▶ 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

▶ 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

- ▶ **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!

