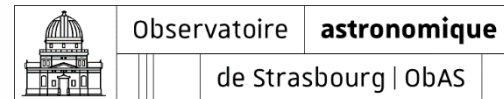


Core Trust Seal certification at CDS The HiPS extension

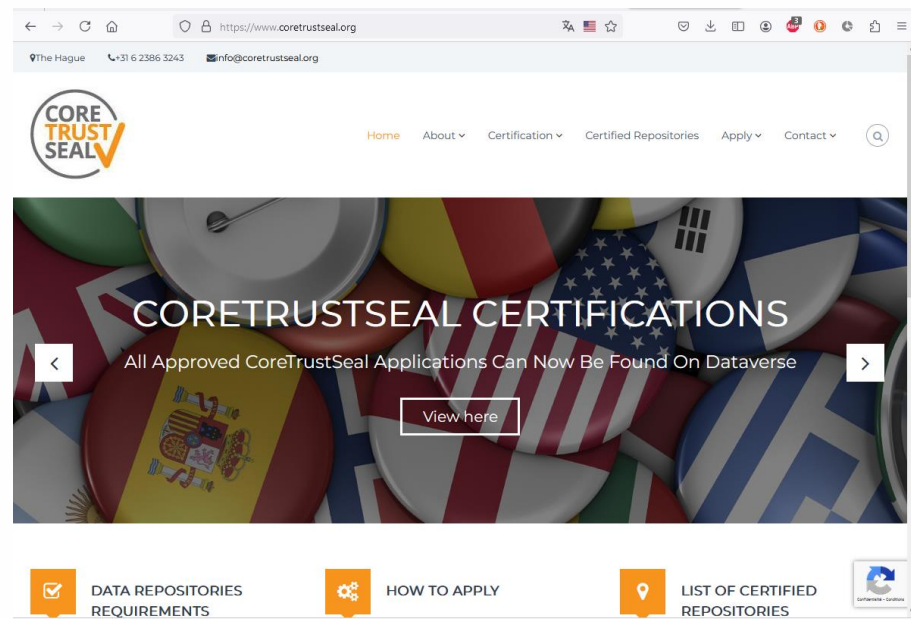
IVOA Interop – Malta – nov 2024

Pierre Fernique & al



□ What's the Core Trust Seal ?

- A certification based on a report that is analyzed by 2 CTS reviewers.
- There are 16 criteria covering organization, data management and technology (redundancy, security...



□ What's the benefit ?

- Be recognized as a reliable data repository



- Evaluate/modify our practices to improve our data management

	Information(KISTI)		Daejeon, 34141, Korea, Daejeon, KR	
Cambridge Structural Database	Cambridge Crystallographic Data Centre	https://www.ccdc.cam.ac.uk/	12 Union Road, Cambridge, CB2 1EZ, United Kingdom, Cambridge, GB	2027-03-28
GESIS Data Services	GESIS - Leibniz Institute for the Social Sciences	https://www.gesis.org/en/data-services/share-data	Quadrat B6 4-5, 68159 Mannheim, DE	2027-03-28
Global Hydrometeorology Resource Center	NASA and University of Alabama in Huntsville	https://ghrc.nsstc.nasa.gov/home/	320 Sparkman Dr., Huntsville, US	2027-03-14
LINDAT-CLARIAH-CZ	Institute of Formal and Applied Linguistics	https://lindat.cz	Malostranské náměstí 25, Praha, CZ	2027-03-11
Strasbourg Astronomical Data Centre	Strasbourg Astronomical Observatory (UMR 7550, a Joint Unit of the Centre National de la Recherche Scientifique (CNRS) and of Strasbourg University)	https://cds.unistra.fr	11 rue de l'universite, Strasbourg, FR	2027-03-11
PORTULAN CLARIN	Faculdade de Ciências da Universidade de Lisboa	https://portulanclarin.net	Departamento de Informática, Faculdade de Ciências da Universidade de Lisboa, Edifício C6, Campo Grande, 1749-016 Lisboa, Lisboa, PT	2027-03-11
RESIF seismological Data Repository	RESIF/CNRS/Université Grenoble Alpes	seismology.resif.fr	OSUG, 122 Rue de la Piscine, Saint Martin d'Hères, 38400, FR	2027-03-11
Tethys RDR	GeoSphere Austria	https://www.tethys.at/	Hohe Warte 38, 1190 Wien, Vienna, AT	2027-03-11
Physical Oceanography				


□ Context of this new application

- 3rd CTS request for CDS
 1. DSA: 2014 , first certification (other acronym)
 2. CTS: 2019, second certification ended in 2022
 3. Next certification for 3 years more
- So far, only data from the Catalog Service (VizieR)
=> Extend this new application to all CDS data (10%
-> 99%) by certifying also HiPS images (Sky Atlas
Service - Aladin)


□ Brainstorming / drafting (7 people involved)

- Work started in spring 2022
- Consider HiPS as original “data collections”
 - 50% generated directly by CDS
 - 50% copy or deposit of HiPS from partners (IRAP, ESA, etc.)
- Draft of a document dedicated to Aladin to join to the application for CTS certification (Sept. 2022)
 - Same scheme as for VizieR
 - Based on an OAIS description of the service/data
- Adjustment of our practices linked to the drafting of the document
 - Reflection, implementation/clean-up of HiPS-related licenses
 - Setting up a CHECKSUM mechanism dedicated to HiPS
 - Addition of DOIs (perhaps not directly related, but a contributory factor)
- Integration into the global CDS application

□ Snapshots

 Centre de Données astronomiques de Strasbourg (CDS)

Aladin Processes



Document Version: v0.93 draft
 Document Date: 13 September 2022

Centre de Données astronomiques de Strasbourg | 11 rue de l'Université | F-67000 Strasbourg | FRANCE | <http://cds.unistra.fr>

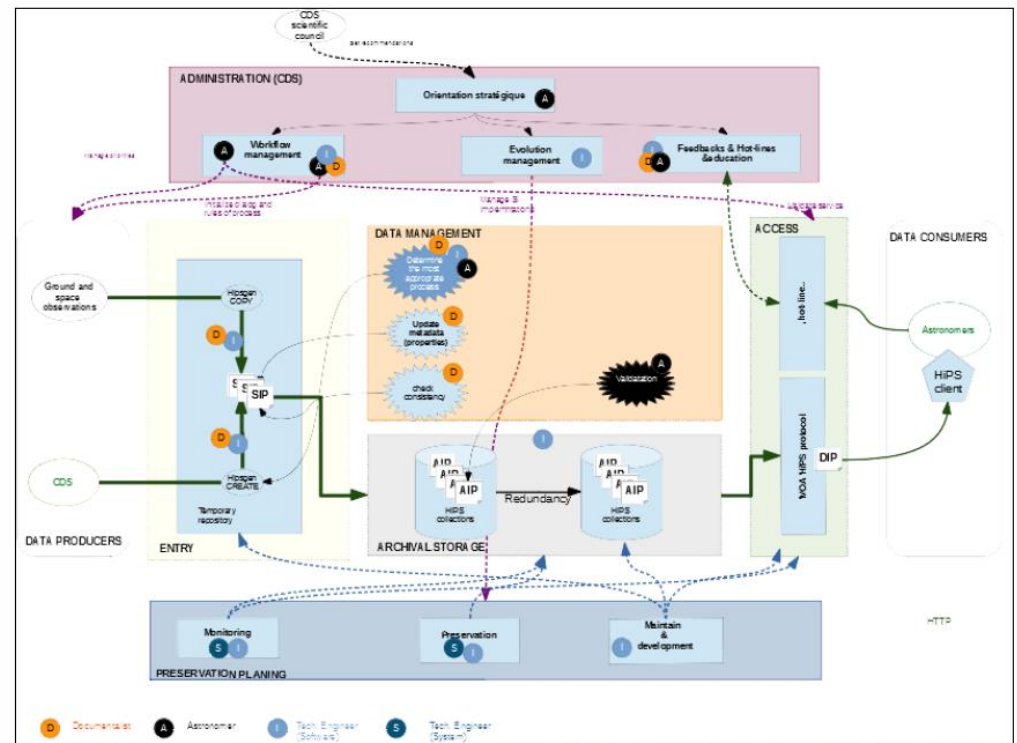


Figure 4: Aladin processes displayed in the OAIS model, including the profiles of the staff involved at each step.

□ The result

- A long road (1 year and an half).
- Referee rather “fussy” (not directly on the HiPS part)...
- No response for months -> change of Referee (additional delays)
- Certification obtained in March 11th, 2024 for 3 years



□ Next step in 2027 ?

- The criteria have evolved, but don't change the substance (it's mostly better explained criteria)
- There is now a charge of 3,000€ (since Feb 2024)