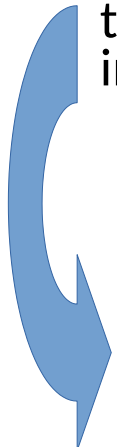# EOSC portal onboarding & IVOA Registry resource publishing

overlaps and lessons learned

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ESCAPE EEB Extended discussions day
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ESCAPE CEVO Context

- Task 4.1 "Integration of astronomy VO data and services into the EOSC"

- among the activities

  - Interfacing the VO framework with the EOSC (This comprises the inclusion of the VO registry)

  - Build an Astronomy portfolio of VO services to be contributed to the EOSC Marketplace and/or analyse the possibility to operate a customized marketplace for Astronomical VO services and, if necessary, implement it

Assess the methods for contributing VO services as an Astronomy Portfolio to the EOSC Marketplace.
Analyse the possibilities for operating a customized marketplace for astronomical VO services.
Establish a test plan for contributing selected VO services to the EOSC Marketplace *(dependent on the results of the above steps).*

VO Registry inclusion in EOSC

- Included in EUDAT B2-FIND
  - (GAVO) IVOA Full Registry RegTAP interface
  - extended with DataCite metadata
  - harvested by B2-FIND

- Preserves resources description
  - linking back to VO Registry

- Lacks
  - some EUDAT / DataCite based metadata (not originally available in VOResource)
  - actionable data linking from collection to service (integral part of the VOResource model)
  - coverage metadata content and technology mapping from VO to EOSC

Astronomy portfolio directly in EOSC

- Steps for the assesment & contribution guidelines
  - setup a Provider within EOSC
  - test the onboarding procedure
    - from non VO Registered resources
  - test the onboarding procedure
    - starting from VO Registered resources
  - report guidelines minimising duplicated efforts

Registry integration & Portal onboarding

IVOA

- authority
- Model
    - Flexible, complex, extensible
- distribute & harvest
- metadata granularity
- linked collection to interface
- matured over time
- community "weather" forecast

EOSC

- provider, AARP
- Model
    - single resource, general domain
- form based
    - programmatic API available
- external repositories inclusion:
    - domain, national, cluster (?)
- high details on policies

Portal onboarding experience

DONE

- Setup of a Provider for INAF in EOSC
  - included political hurdles
  - ARP identification
  - resource metadata setup
  - wait (manual & tech) approval
- Selected a couple of services to onboard
  - H2020 NEANIAS collaboration
  - preparation of policy, plans, helpdesk documents and services
  - resource metadata population
  - automated validation and approval

unclear/discussed "service" definition

TO DO

- VO registered resource onboarding
  - starting from scratch
    - long due resources to be registered available
- identify metadata overlap
  - estimate level of effort duplication
- check "linked" data-to-service availability
- try programmatic API solution

Open questions / Discussion topics

- Registry inclusion/harvesting vs. direct resource onboarding
  - effort duplication, repo redundance, visibility, use-ability

- Domain, national, cluster, project repository inclusion
  - how-to, long term sustainability, effort duplication, model governance

- Resource granularity and types
  - resource reationships, actionable link from discovery to access