



ESCAPE

European Science Cluster of Astronomy &
Particle physics ESFRI research Infrastructures

Joint WP Session: ESCAPE Software Repository and Catalogue

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Introduction

- One of the main ESCAPE aims is:
linking of the **software and services**, generated in or linked to the activities in our community, **to the EOSC portal**
- The aim of this session:
 - define the requirements
 - collect and answer questions
 - define cross-WG actions with timeline and decision points towards this goal.



ESCAPE in the EOSC Portal

- EOSC portal (<https://www.eosc-portal.eu>)
⇒ see Carmela's presentation
- WGs have services to link and a clear view of those (see presentations):
 - Data lake (WP2)
 - Development Platform and Repository (WP3)
 - IVOA Services (WP4)
 - Analysis Platform (WP5)
- ESCAPE will add thematic catalogue
 - how to best link those services together?
⇒ landing page (TBD)



Open Questions and Remarks collected in two pre-meetings

- Goals of a portal
 - Findability: find which software products and services are out there; and/ or
 - Integration: all analysis are directly done in the EOSC - no/less need of local resources and technical know-how;
 - **Use cases essential to drive the further implementation!**
- Necessary Definitions:
 - What is the ESCAPE repository?
 - What is a service (software/data run/provided on a dedicated infrastructure or interface/data definitions)?
 - How should the ESCAPE entry to the EOSC portal look like (single landing page, individual registrations of services of different WPs, services hosted by communities)?
- Discoverability and automatisisation
 - Should software/services be actively pushed to the repository or pulled (meta data needed)?
 - What meta information is necessary/useful to be harvested by services?
 - What is the extend of software/services to be added - "all that is out there" or only for specific use cases?
- Quality and extend of service
 - What software and services should be included - how to select?
 - What are the needs on the level of availability, authorisation and sustainability?
 - How and by whom will be sustainable resources provided (communities, general)?



Open Questions and Remarks – Answers?

collected in two pre-meetings

- Goals of a portal → **input from all WGs**
 - Findability: find which software products and services are out there; and/ or
 - Integration: all analysis are directly done in the EOSC - no/less need of local resources and technical know-how;
 - **Use cases essential to drive the further implementation!**
- Necessary Definitions: → **form a cross-WG focus group?**
 - What is the ESCAPE repository?
 - What is a service (software/data run/provided on a dedicated infrastructure or interface/data definitions)?
 - How should the ESCAPE entry to the EOSC portal look like (single landing page, individual registrations of services of different WPs, services hosted by communities)?
- Discoverability and automatization → **Services by EOSC hub and others available**
 - Should software/services be actively pushed to the repository or pulled (meta data needed)?
 - What meta information is necessary/useful to be harvested by services?
 - What is the extend of software/services to be added - "all that is out there" or only for specific use cases?
- Quality and extend of service → **Service Provider Documentation from EOSC hub**
 - What software and services should be included - how to select?
 - What are the needs on the level of availability, authorisation and sustainability?
 - How and by whom will be sustainable resources provided (communities, general)?

