OSCARS
Open Science Clusters' Action for Research & Society

ESCAPE in OSCARS2

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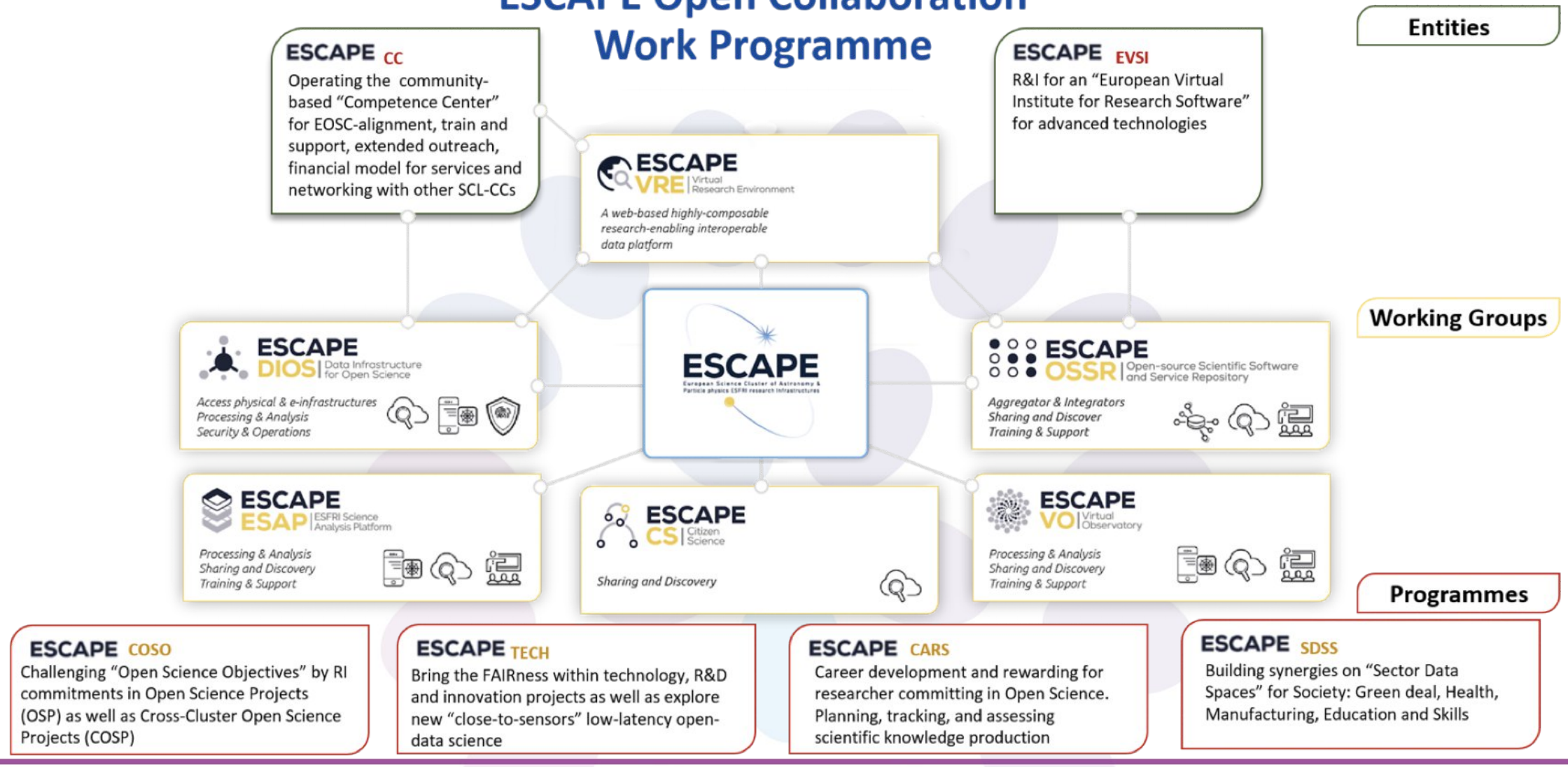
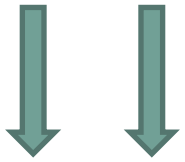
ESCAPE Collaboration: current status

ESCAPE Open Collaboration Work Programme



ESCAPE

- ESCAPE does not foresee evolution into an EOSC node.
- Open to existing ESFRIs that want to join, and to new ESFRIs in updated 2026 Roadmap.
- ESCAPE WG leaders drive the activities and report to technical coordinator in ESCAPE EB meetings.



- ESCAPE WGs involvement in activities of OSCARS2 WPs.
- Flexible to adapt cluster's consolidation budget, part to be dedicated to CC evolution and training
- Increase involvement of physical sciences communities not represented by ESCAPE RIs, through cascading grants and on-boarding of outcomes to EOSC, leverage involvement of CERN as EOSC node.

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TRAINING

Training plays a key role in the ESCAPE community: S3 School, Gray Scott School, ESCAPE Summer School etc.

- Focus on **best practices** for **scientific software**, **data management** and data intensive practices, **citizen science**, **interoperability** standards.
- **Coordinate with other CC** for joint initiatives —> increase community engagement.
- Sustainability in time of **training** resources —> training database, continuously updated.
- Integrate training resources into EOSC Federation.

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ESCAPE CC

ESCAPE CC shaped through OSCARS consolidation (data management) and OSCARS CG Astro-CC for training. Position statement document due soon.

- Need to well define structure and an economic model.
- **ESCAPE CC as structural element of EOSC Federation, but independent from EOSC.**
  - Knowledge hub for ESCAPE community
  - Support integration of CGs outputs in Nodes.
- Link with existing CC in EOSC ecosystem, coordinate, align CC in ESCAPE specific communities.
- EVERSE evolution is within ESCAPE consolidation scopes.

Some areas in which the ESCAPE CC can operate: 1) Support the development and maintenance of interoperability standards, 2) Expertise to facilitate the implementation of standards in tools and services, 3) Support scientist for helping people create and run CS project, 4) Creating permanent training resources, 5) Blueprint for RIs to set up and run a Virtual Research Environment

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OSCARS2: Cascading Grants

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CASCADING GRANTS OSCARS 2: ESCAPE scope

- Support **thematic calls** that cover topics of wider scientific impact (e.g. Multi-messenger astrophysics for ESCAPE), **strengthening** links and **collaboration** between RI communities.
- Support for projects that fill **scientific gaps** not directly addressed by clusters (e.g. Nuclear physics for medical applications, quantum), with focus on interdisciplinary topics.
- **High-impact FAIR scientific pipelines** and reproducible workflows that **leverage EOSC resources** (data, software) and contribute to enrichment of EOSC Federation.
- **Citizen Science** projects —> increase community engagement in EOSC Federation
- FAIR **sustainable training** schemes: rely on continuous update (versioning) with long term plan (~10yr), training database directly integrated into ESCAPE CC.
- Projects that contribute to design, setup and development of **virtual research environments** for RIs.
- Metadata, **interoperability** standards for **automation**.
- Facilitate access to data for AI applications, reproducible AI workflows for data-intensive research (e.g. enable scientific applications that analyze multi-modal data from different data repositories on-boarded to EOSC, e.g.[2] source parameter estimation for a core-collapse supernova).


OSCARS
Thank you