

E. Sciacca¹ and the NEANIAS Space Collaboration (WP4)

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The **H2020 NEANIAS project** [1] is implementing **thematic services** in underwater, atmospheric and space sciences to be delivered on the **European Open Science Cloud**. These interdisciplinary effort has resulted in **three set of services** for the **Astrophysics** and **Planetary** communities [2].



Data management and **visualization** adopting **FAIR** (Findable, Accessible, Interoperable, Reusable) principles.

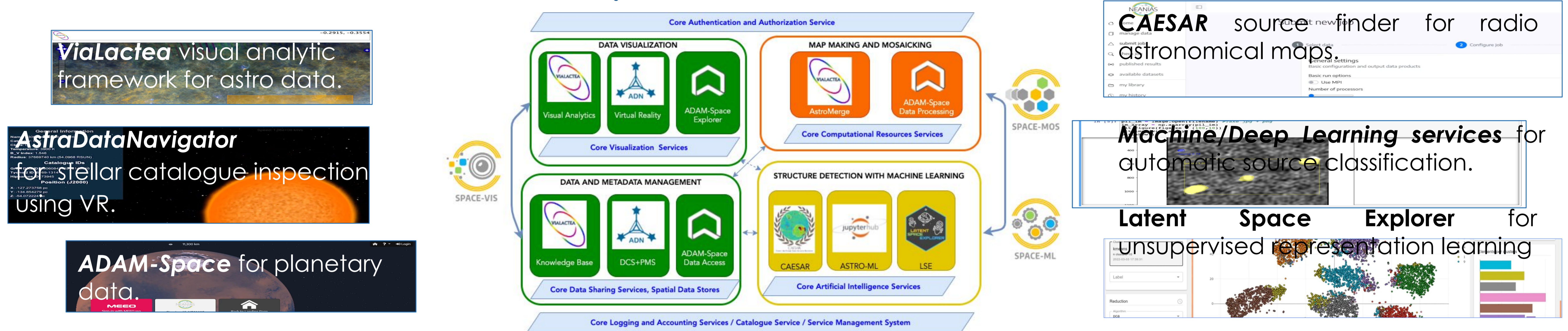


Makes **high quality images** maps and assembles those images into custom mosaics (**mosaicking**)



Performs **pattern** and **structure detection** in astronomical surveys as well as in planetary surface maps

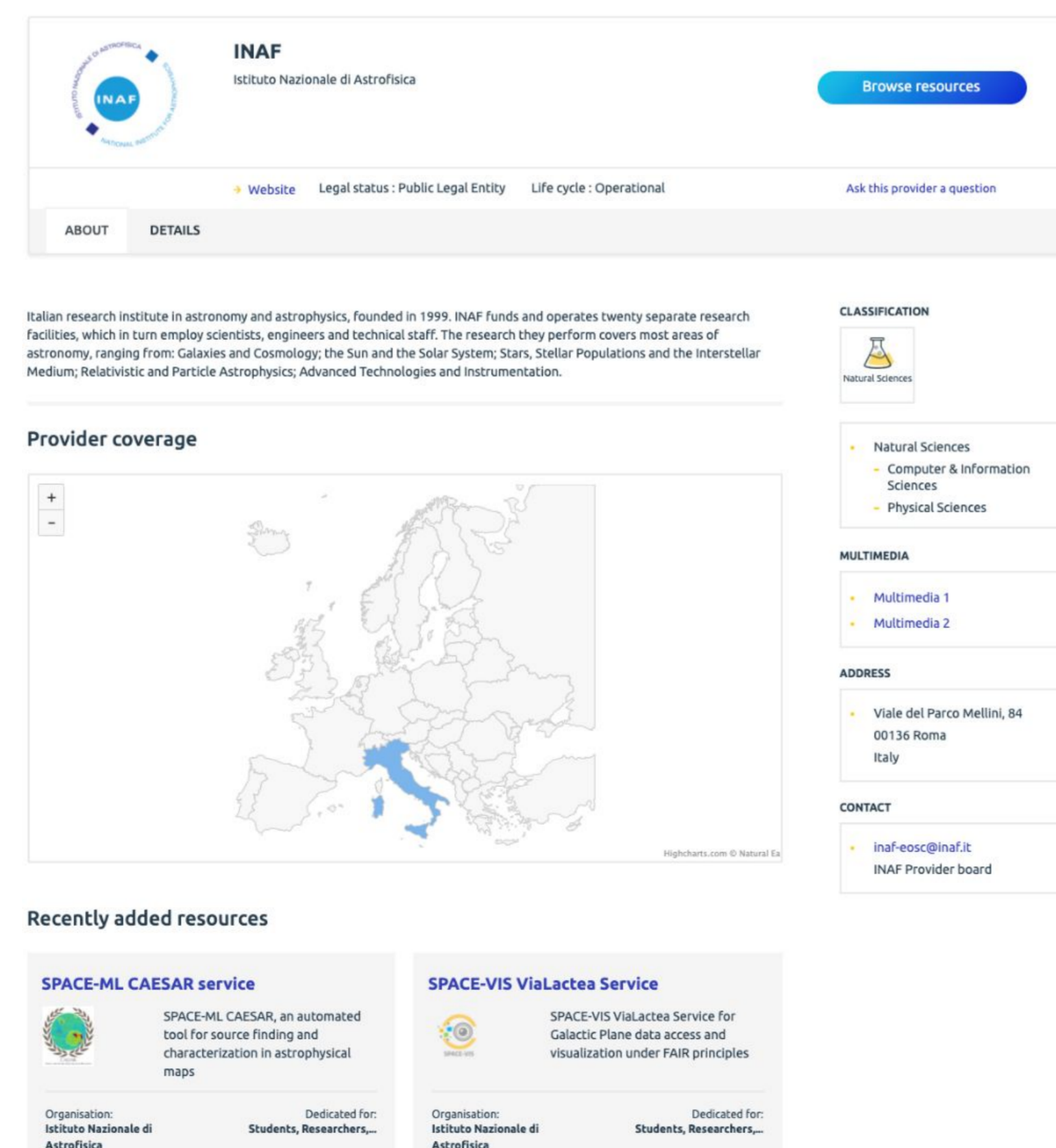
Space Services



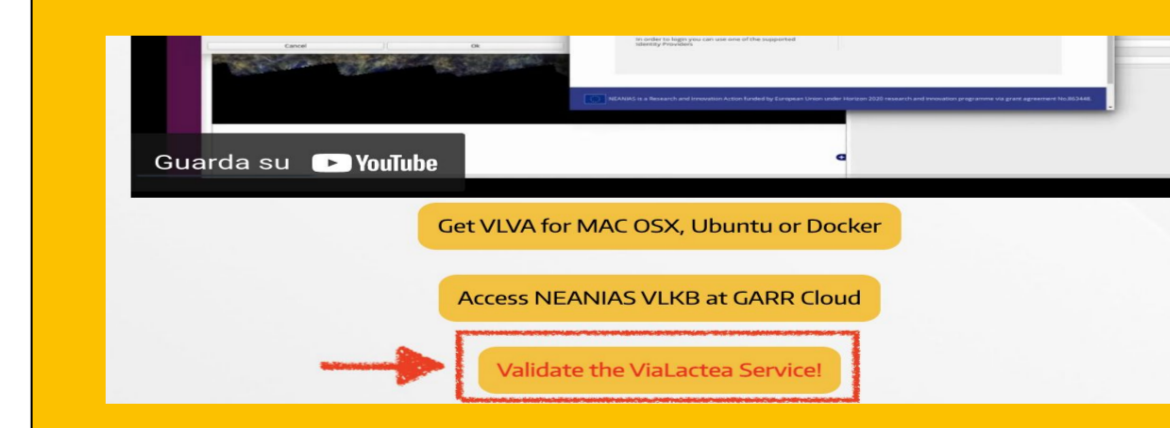
NEANIAS services [3] are built on top of TRL6 software solutions and evolved towards TRL8. They are **integrated** with **core services** to be operational in EOSC such as **Authentication and Authorization, Logging, Accounting** and **Monitoring**. Furthermore are they integrated with **artificial intelligence** and **visualization core services** to empower further analysis of their products. The latest release is running in production environment deployed into the NEANIAS infrastructure (at the GARR and MEO clouds) and is available at the **NEANIAS Service Catalogue** [4].

EOSC Onboarding

ViaLactea and **CAESAR** services, provided by the Istituto Nazionale di Astrofisica (INAF), have been published in the **EOSC portal** [5]. For the **EOSC onboarding process** it was firstly necessary to identify the **Authorized Representative** of INAF as new **EOSC Provider** (see Figure) starting from information and guidelines collected within the **NEANIAS Service Catalogue** core service.



Check out the **NEANIAS SPACE Services** at:
<https://thematic.neanias.eu/SPACE>



We are looking forward to receiving your useful feedback!

For onboarding the services as new **EOSC Resources** we finalized the integration with the **NEANIAS Service Management System**, that is also required for the users to request access to the service and assigning proper authorization and we provided the needed legal information regarding the **“Terms of Use”** and **“Privacy Policy”**.

Useful links

- [1] NEANIAS Project [[link](#)]
- [2] NEANIAS Space thematic portal [[link](#)]
- [3] NEANIAS Services Documentation [[link](#)]
- [4] NEANIAS Service Catalogue [[link](#)]
- [5] EOSC Portal [[link](#)]

