

INVITATION FOR THE RESEARCH COMMUNITY

INTEGRATE A PROCESSOR FOR FREE ON THE ESA HERITAGE MISSIONS VIRTUAL LAB



Satellites images © ESA

We invite you to propose processors to be integrated in the ESA Heritage Missions Virtual Lab hosted on the EarthConsole® platform.

The proposals will be evaluated by ESA and the selected processors will be integrated in EarthConsole® and made available as on-demand processing services via the Lab for the benefit of the entire research community.

WHAT IS THE ESA HERITAGE MISSIONS VIRTUAL LAB?

Progressive Systems' EarthConsole® processing platform hosts the ESA Heritage Missions Virtual Lab (HMVL) providing processing services and solutions designed for the needs of the research community and aimed at fostering the valorization of Heritage Missions data. The Heritage Missions consist of more than 45 non-operational earth observation missions, including cornerstone ESA missions such as the European Remote Sensing satellites, ERS-1 and ERS-2, or ENVISAT.

When aligned and combined with data from new satellites, Heritage Missions data provide the capability to look back in time and build long time data series on a variegated range of applications such as climate change, sea levels, surface temperatures, melting ice, earthquakes and volcanic eruptions, atmospheric composition, deforestation, and urban mapping among others.

These data are of paramount importance to have a better understanding of Earth dynamics and their evolutions to shape a sustainable future.

WHY TO PARTICIPATE?

If your processor will be selected:

- 01** The integration will be free of charge
- 02** It will be shared with other users of the platform, in an effort to promote open science
- 03** You won't have to spend time or make efforts on the integration activity as it will be wholly supervised by EarthConsole® experts
- 04** You will validate the results. You will receive processing test results to confirm if they comply with what you expected
- 05** You will join and contribute to the construction of the first community of Heritage Missions data users!

INVITATION FOR THE RESEARCH COMMUNITY

INTEGRATE A PROCESSOR FOR FREE ON THE ESA HERITAGE MISSIONS VIRTUAL LAB



Satellites images © ESA

We invite you to propose processors to be integrated in the ESA Heritage Missions Virtual Lab hosted on the EarthConsole® platform.

The proposals will be evaluated by ESA and the selected processors will be integrated in EarthConsole® and made available as on-demand processing services via the Lab for the benefit of the entire research community.

HOW TO PROPOSE A PROCESSOR?

To **propose a processor, please fill in the form at [this link](#)**. Please note that registration is needed in case you are not yet registered on EarthConsole®.

The candidate processors will be proposed to ESA, which will select one or more processors. Once we, the EarthConsole® Team, will receive the notification on the selected processors from ESA, we will inform the reference person indicated in the form in order to plan the integration.

The deadline to propose your processor is the 16th of June 2023.

For any clarification, please contact info@earthconsole.eu

ABOUT EARTHCONSOLE®

Progressive Systems' EarthConsole® platform supports the development, test and hosting of applications or processors provided by institutions, researchers, service companies, start-ups and other customers for enabling Earth Observation (EO) data access and processing services. EarthConsole® relies on the infrastructure of a Copernicus DIAS, allows fast access to data and provides co-located processing resources thus minimizing the impact of data transfer on the total processing time.

For more information, please visit www.earthconsole.eu.