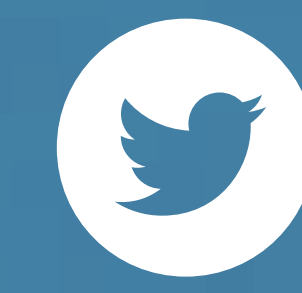


EXTRACT

A distributed data-mining software platform for extreme data across the compute continuum

www-extract-project.eu

Extract will create a complete edge-cloud-HPC continuum by integrating multiple computing technologies into a unified secure compute-continuum.



@EXTRACT_EU_proj



EXTRACT EU project

USE CASE 1

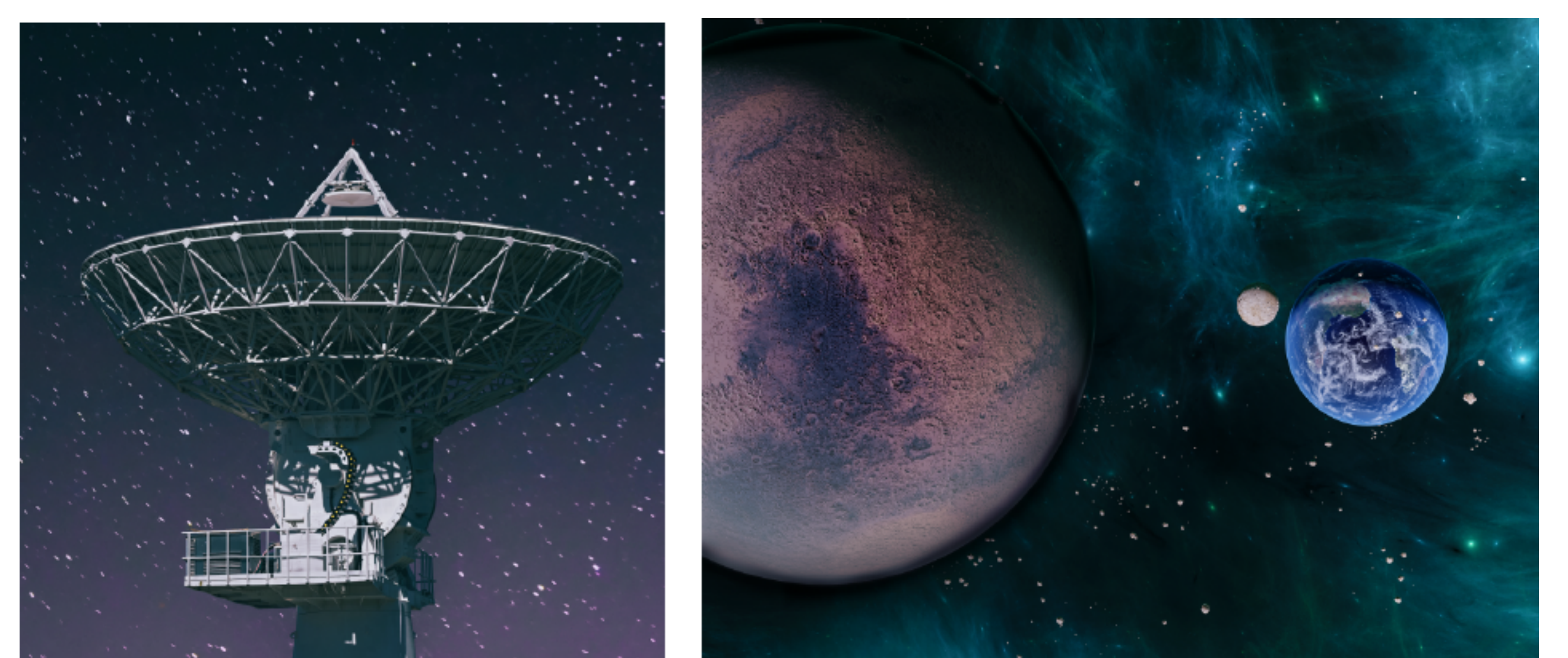
Personalized Evacuation Routing (PER) System.



This use case will serve to guide citizens in an urban environment (the city of Venice) through a safe route in real time.

USE CASE 2

Transient Astrophysics with a Square Kilometer Array Pathfinder (TASKA)



This use case will use EXTRACT technology to develop data mining workflows that effectively reduce the huge amount of raw data produced by NenuFAR radio-telescopes by a factor of 100.

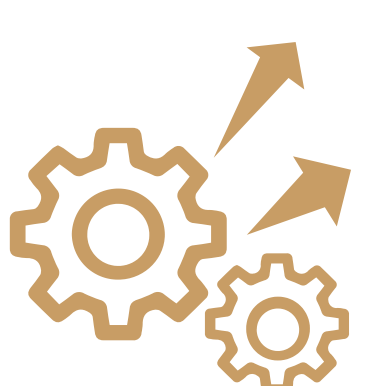
OBJECTIVES



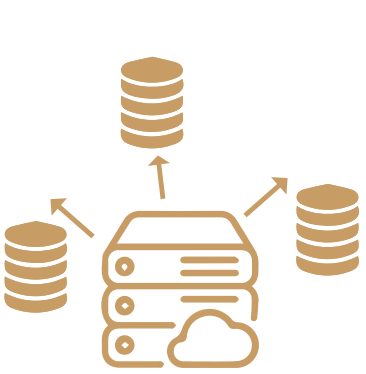
Enable the development of complex and secure data mining workflows.



Deliver the EXTRACT software platform and demonstrate its benefits in two use cases.



Develop novel data-driven orchestration mechanisms to efficiently deploy and execute data mining workflows.



Fully exploit the performance capabilities of the compute continuum to effectively address extreme data characteristics (high volume, variety, velocity, veracity, holistically).



Foster the adoption of EXTRACT technology by industrial and academic communities.

PARTNERS



This project has received funding from the European Union's Horizon Europe programme under grant agreement number 101093110.