Service ID S00051

Location Remote

Testing of integrated AI system on a High-Performance Computing enviro

Provider service

Poznan Supercomputing and Networking Center (PSNC)

Link to content

https://agrifoodtef.eu/catalogue-of-services/testing-integrated-ai-system-high-performance-computing-enviroment

Type of Sector

Arable farming, Food processing, Greenhouse, Horticulture, Livestock farming, Tree Crops, Viticulture

Accepted type of products

Data, Software or AI model

Type of service

AI model training, Test execution

Description

Customers gain access to a remote environment with detailed manuals and a demo account. Additionally, high-speed storage and networking are available for the customer, allowing for fast data exchange. The environment offers usage of a containerisation approach, SSH access and user support. Thanks to this service, customer experiments will be supported with the use of high-end testing infrastructure (reinforced with the Nvidia H100 cluster). This service is also AI solution agnostic – each application or architecture dedicated to agrifood technology could gain an advantage from access to a testing and training environment.

How can the service help you

The customer will receive:Access to High-Performance Computing for AI and Data Experiments Scalable Solutions for Big Projects Access to self-adjustable environments adapted for the specific needs of the use case Integrated Cloud and Storage Solutions Transparent metrics of cluster usage

With this, the service solves:

Limitation issues of locally built servers that are a number of times slower than HPC – thanks to HPC, the customer will fasten each training iteration from weeks to days.

Challenges faced by growing AI projects that need more resources – this service offers easy scalability without purchasing new hardware.

How the service will be delivered

We are open to adjust the service to customer expectations regarding the environment specific configuration or specific strategy of resource usage/queuing.

Service customisation

Client remote access is granted for an engineer with experience in DevOps or data science technologies. Default access lasts from 6 to 9 months to utilise granted computation power. Helpdesk assistance is available during the complete time of cooperation.