

**Service ID**

**Location** Remote



## Testing of integrated AI system on a High-Performance Computing environment

### Provider service

Poznan Supercomputing and Networking Center (PSNC)

### Link to content

<https://www.agrifoodtef.eu/services/testing-integrated-ai-system-high-performance-computing-environment>

### 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.