

# Towards an e-infrastructure for plant phenotyping pilot

Principal Investigators: ...

**Shepherd:** Nicolas Cazenave <cazenave@cines.fr>

**Entry in the community requirement database:** [PHENOME-EMPHASIS](#)

## About the pilot

In recent years, technological progress has been made in plant phenomics (major improvements concerning imaging and sensor technologies). High-throughput plant phenotyping platforms now produce massive datasets involving millions of plant images concerning hundreds of different genotypes at different phenological stages in both field and controlled environments. Networks of sensors also measure environmental conditions in real time. The ongoing robotization of experimental processes foreshadows an explosion in the volume and complexity of the data produced by the different research facilities. There is a need for an integrated and federated solution for data management and data processing.

## Team

| Participant | Role                  | Name and Surname |
|-------------|-----------------------|------------------|
| CINES       | Shepherd              | Nicolas Cazenave |
| INRAE       | Principal IVESTIGATOR | Vincent Negre    |
|             |                       |                  |

## Technical Plan

<https://drive.google.com/drive/folders/1Ywxi5zZZNco4qWxTWLxo4KY26CXQdUig>

## EOSC services and providers

Todo...