Towards an e-infrastructure for plant phenotyping
project report - 08/03/20

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Access to EOSC services

- SLA finalized the 17/03/2020
- The IN2P3 and CESNET-CSS have provided ressources as defined in the SLA (cloud compute and online storage ressources).
- We can connect the IN2P3 and CESNET-CSS clouds with the EGI-checkIn service.
- Very good support with these ressource centers (thank you !).
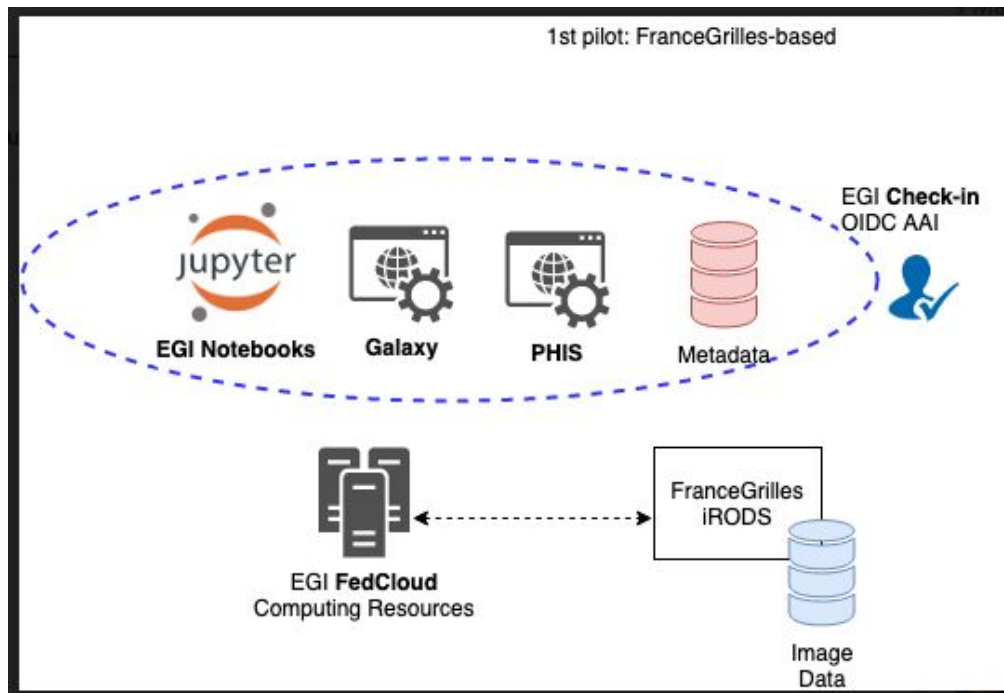- No access yet to the CYFRONET online storage (not limiting for the moment).

On our side

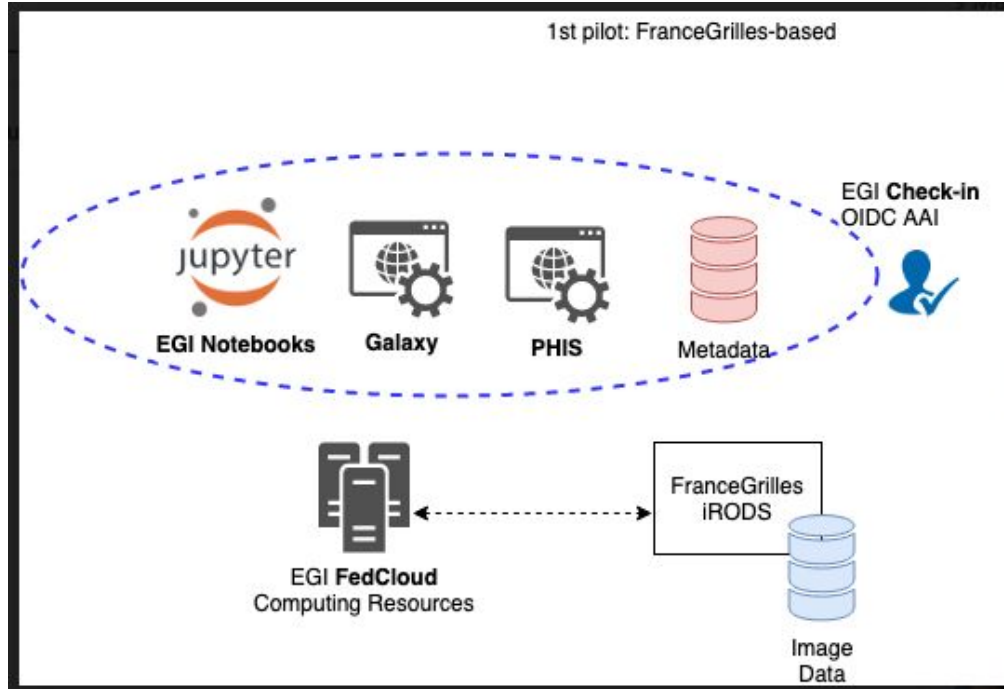- 3 use cases have been proposed.
- A master student is working on the first use case.

First pilot

1st pilot: FranceGrilles-based
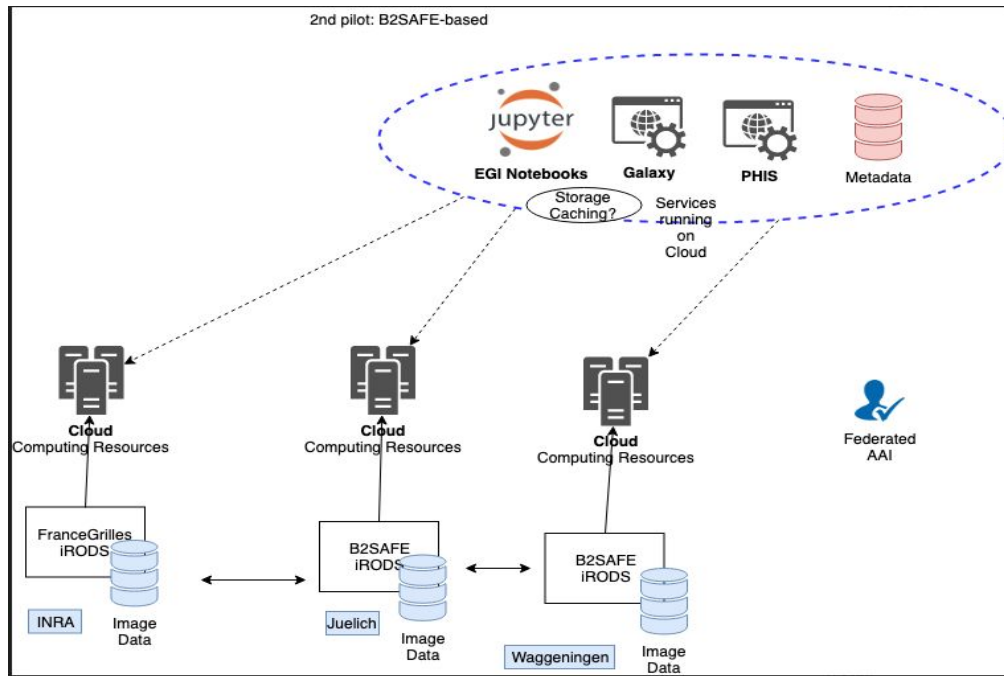
- Our information system (PHIS) will be deployed on **EGI virtual machines** (IN2P3-IRES ressource)
- The storage layer is based on the existing **FranceGrilles iRODS** infrastructure
- An authentication layer based on the **EGI check-in service**
- A computing layer provided with the **EGI Notebooks service** and **Galaxy environment** will be added.

First pilot

1st pilot: FranceGrilles-based

- OK for IN2P3-IRES cloud access and iRODS storage layer.

- Need support from the service provider to integrate **EGI check-in authentication** in our information system; also to use **EGI Notebooks service** and **Galaxy environment**.
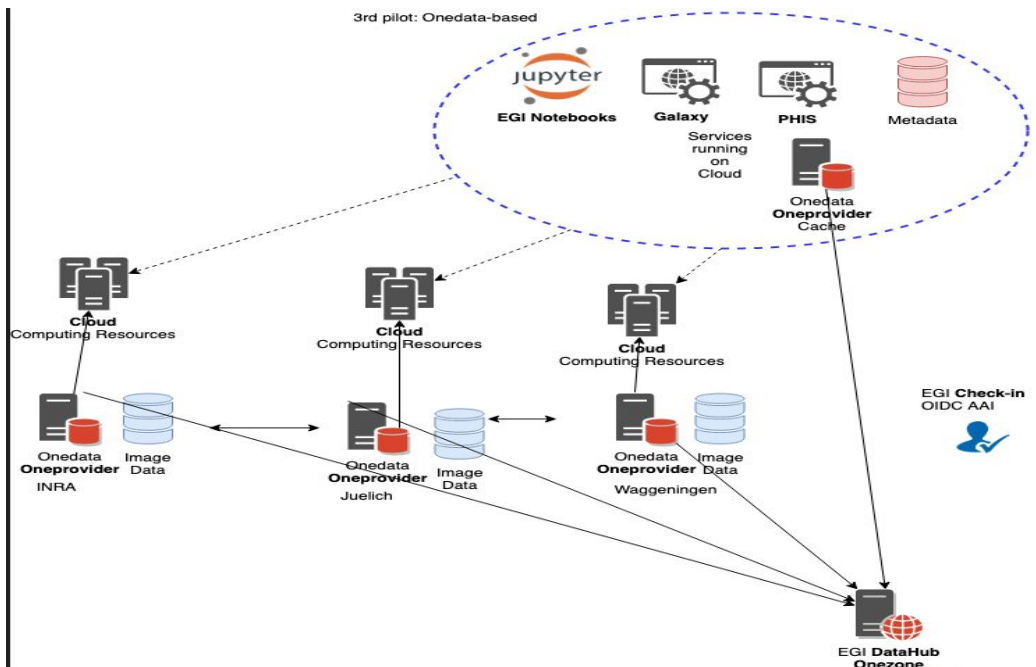
Second pilot

2nd pilot: B2SAFE-based

Compared to the previous pilot the **storage layer is based on the B2SAFE service** supported by the EGI infrastructure.

We will need support the deploy (we or EOSC?) and the use B2SAFE service.

Third pilot

Compared to the previous pilot the **storage layer is based on the Data Hub service** supported by the EGI infrastructure.

We will need support the deploy (we or EOSC?) and the use Data Hub service.

Questions?