# Phenome MCP1 Imaging Plant Architecture









Christian Fournier, Simon Artzet, Michael Mielewczik, Jérôme Chopard, Nicolas Brichet, Llorenç Cabrera-Bosquet, Xavier Sirault, Sarah Cohen-Boulakia, Christophe Pradal



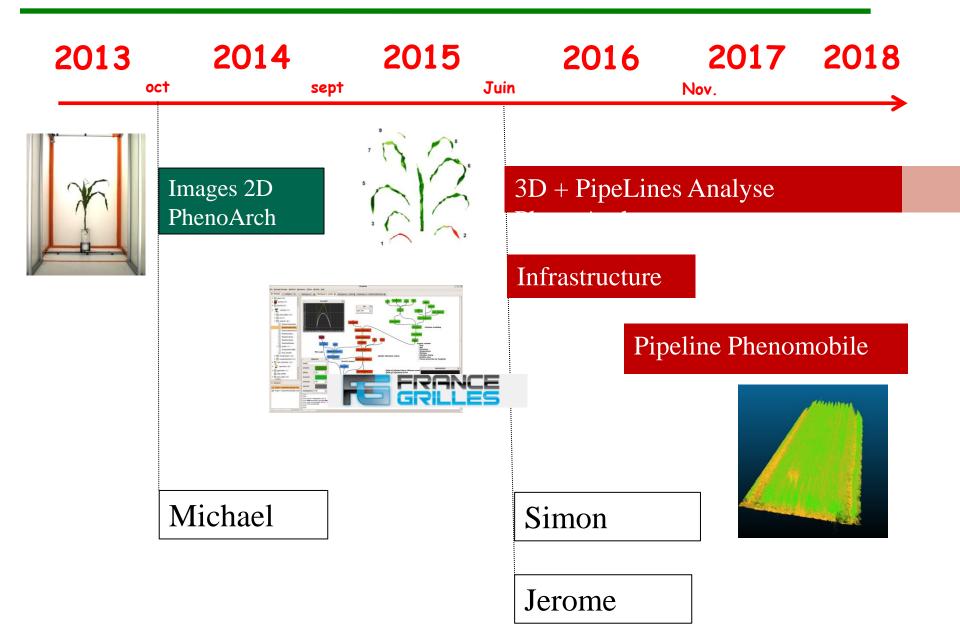




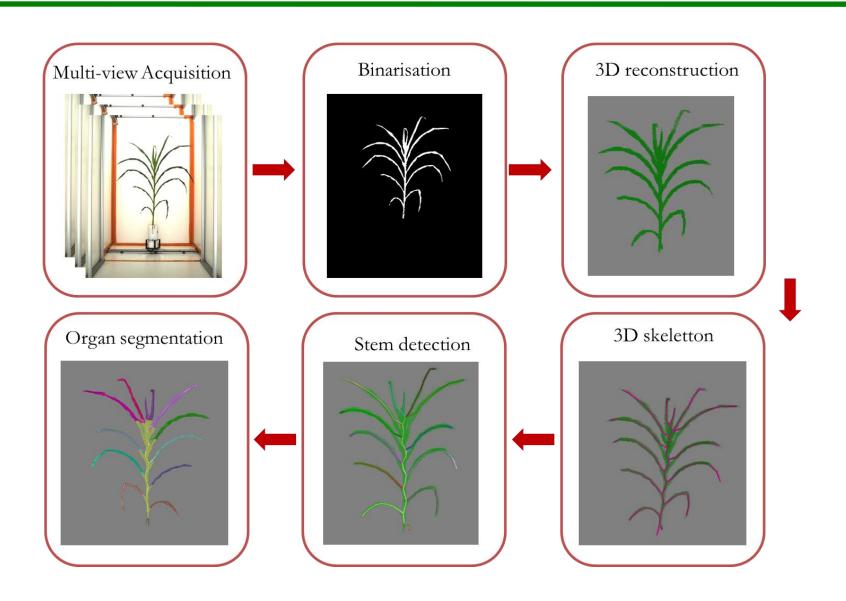




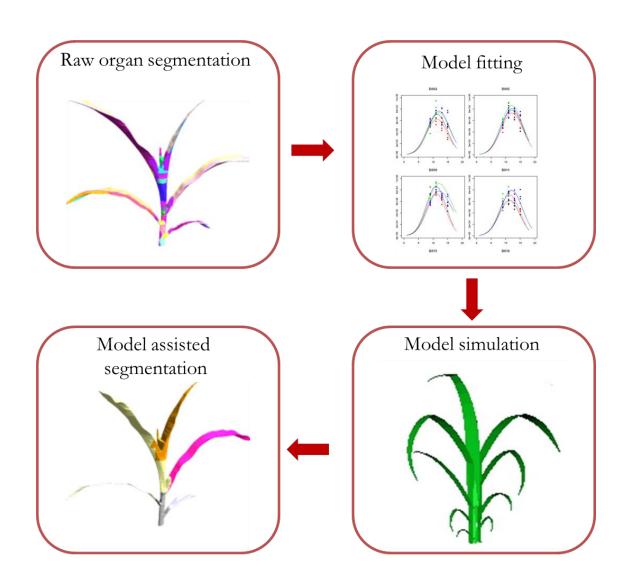
### CDD Phenomes



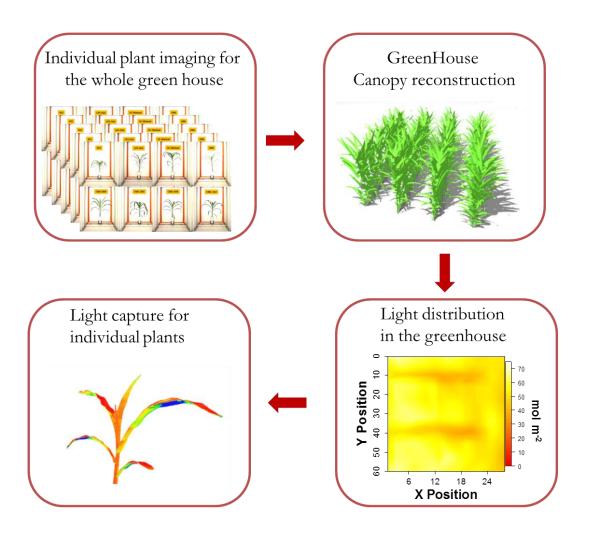
# Pipeline 3D + 'Organ detection'



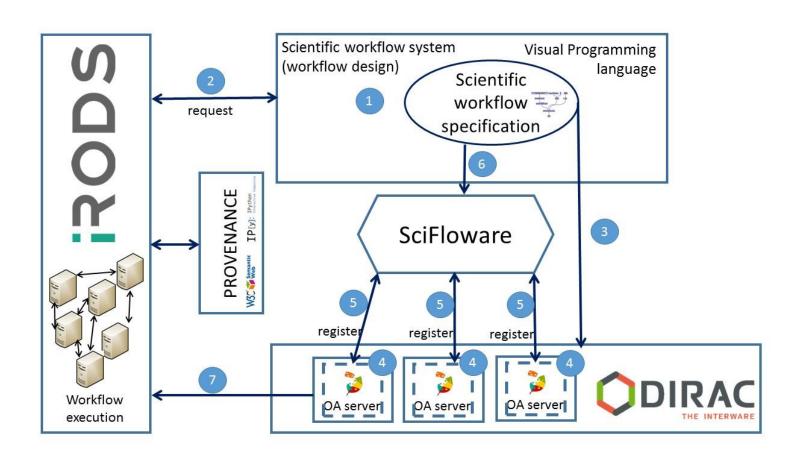
## Model assisted segmentation



## Pipeline 3D + 'Light Interception'

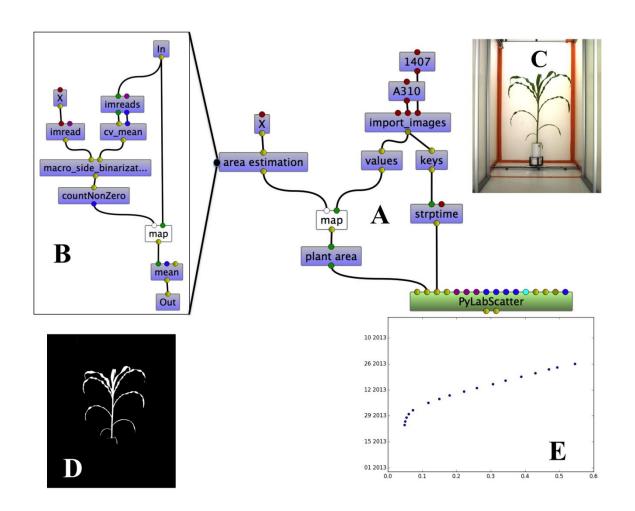


# Grid Computing



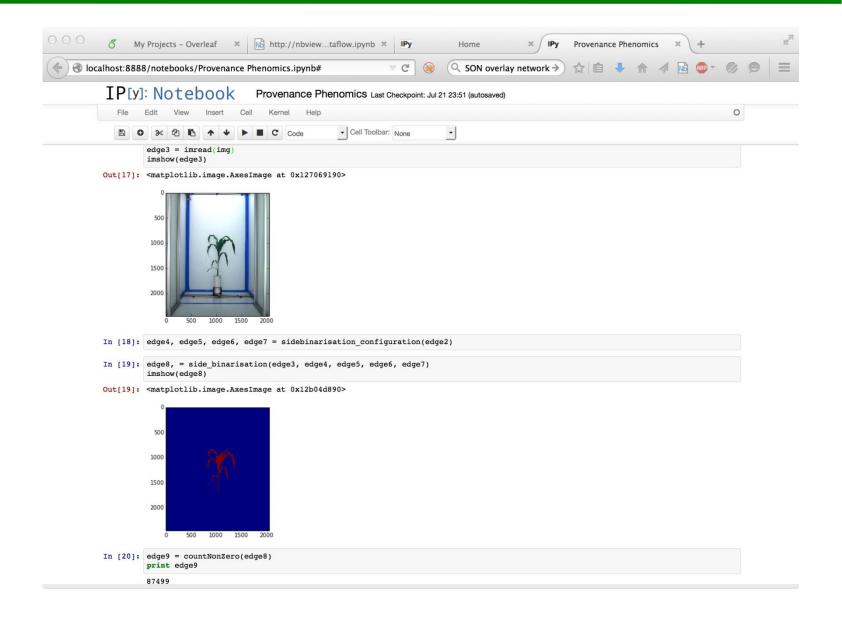


## Analysis as Workflows





### Provenance

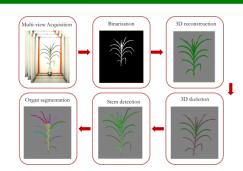


### Etapes

#### Prototypage

Fonctionnalités

Création des paquets

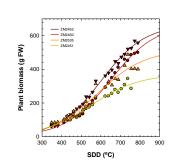


#### Beta test

Run tests: 1-3manips, serveur local

Premières Analyses

Robustesse - Fiabilité-validations



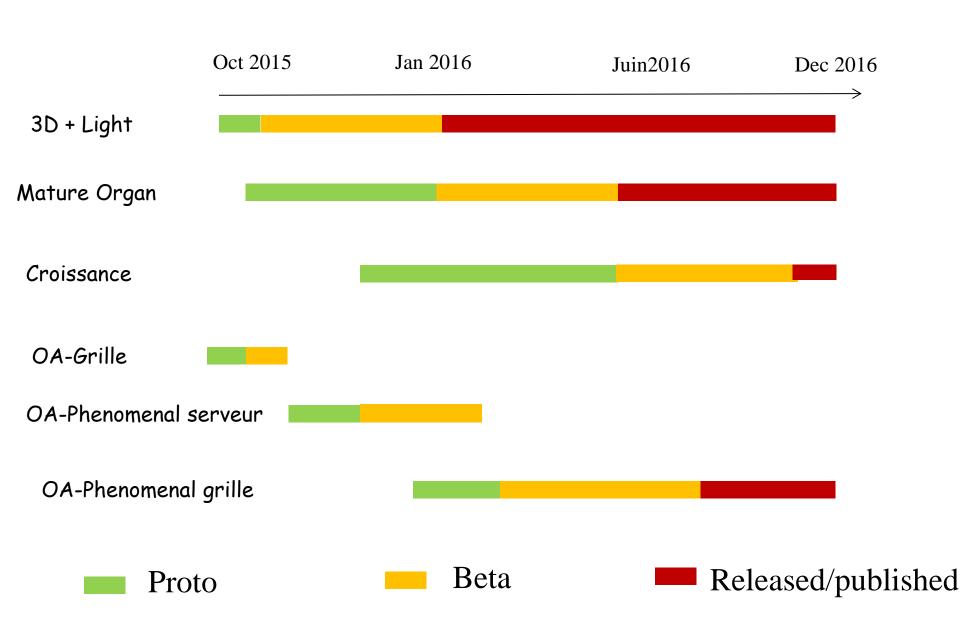
#### **Finalisation**

Interfaces (Utilisateur, Phis,...)

Mise en production Grille + all data

Papiers méthodes

# Sorties étagées



### Roles

#### Développeurs - Relecteurs

Simon (Phenomenal), Christian (model assisted), Nicolas (Ear tracking), Jerome (InfraphenoGrid), Christophe (InfraphenoGrid)

#### Beta test

Tsu Wei, Nicolas, Christian, Llorenç

#### Coordination

Christophe, Christian

### Suites

Maïs -> Blé

3D field data

Liens Modeles -fits -analyses -simulations

4D4Phen