



Session de formation 2023



bioinformatics platform dedicated to the genetics and genomics of tropical and Mediterranean plants and their pathogens

réseaux
génomique
plantes
sud
Reseau
ressources
montpelliérain
Infrastructure
internationale
orienté
développement
service
calcul
multi-instituts
comptences
végétale
plateforme
d'analyses
communauté
outils
s'appuie
mutualisation
partage



SNP detection
phylogeny
comparative genomics
GWAS
population genetics
structural variation
transcriptome assembly
differential expression
polyploidy
metapopulations

Mutualisation



Cacao

Banana

Coffee

Rice

Palm

Cassava

Pseudocercospora

Magnaporthe

South Green

bioinformatics platform



4 institutes



3 research units



25+

Tools

Storage and computing resources



400+

Trainings





Meso@LR au CINES

1090 threads :

35 standard nodes

2 bigmem nodes

1 GPU node

500 To of replicated storage



400+



600+ tools

CINES

1130 threads:

30 standard node

1 supermem node

1 GPU node

150 To on 3 NAS + 210 To scratch

Resources mutualised at Meso@LR through the
Mudis4Ls project (purchase/storage/data)

Collaborative development of tools

Genomics

Pangenomic

Gene families

Comparative

Phylogeny

Assemblies

Annotation

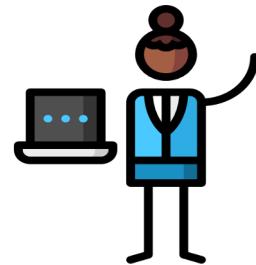
Data mining

Diversity exploration

genotype manipulation

mosaic manipulation

Metagenomic



+20
tools

web applications (16)

visualisation (8)

workflows(5)

packages (4)



<https://github.com/SouthGreenPlatform/>



Plant & Health Bioinformatics Platform



<https://bioinfo.ird.fr/>



AURORE
COMTE



JACQUES
DAINAT



ALEXIS
DEREOPER



BRUNO
GRANOUILLAC



JULIE
ORJUELA-



NDOMASSI
TANDO



CHRISTINE
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Thomas Denecker

And more collaborators !

South Green

bioinformatics platform

