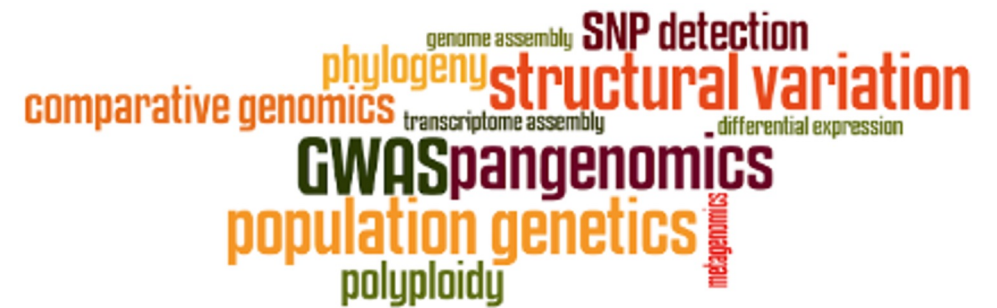


Session de formation 2023



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



Mutualisation



Cacao



Banana



Coffee



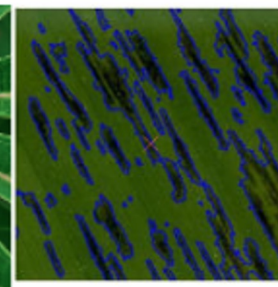
Rice



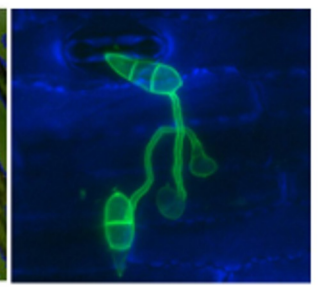
Palm



Cassava



Pseudocercospora



Magnaporthe

South Green

bioinformatics platform



4 institutes



3 research units



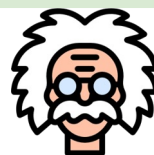
25+



Storage and computing resources

Tools

Trainings



400+



Meso@LR au CINES
1090 threads :
 35 standard nodes
 2 bigmem nodes
 1 GPU node
500 To of replicated storage



CINES
1130 threads:
 30 standard node
 1 supermem node
 1 GPU node
150 To on 3 NAS + 210 To scratch



400+



600+ tools

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

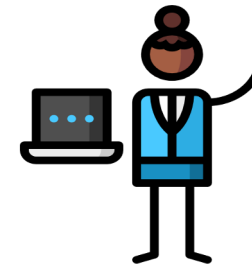
Diversity

genotype manipulation

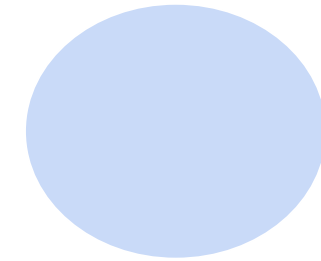
exploration

mosaic manipulation

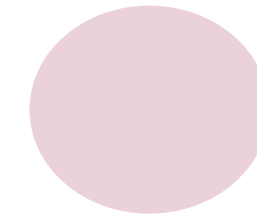
Metagenomic



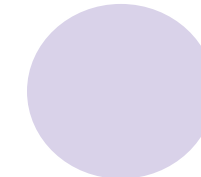
+20
tools



web applications (16)



visualisation (8)



workflows(5)



packages (4)

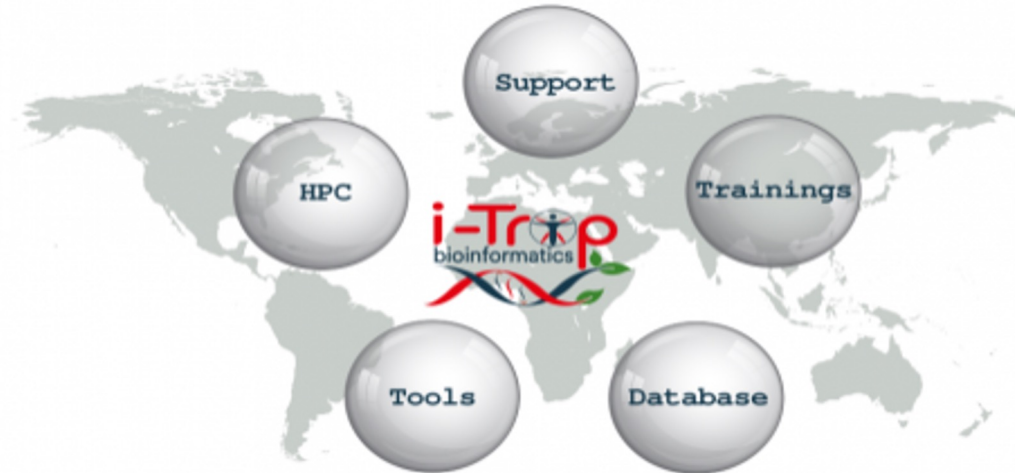


<https://github.com/SouthGreenPlatform/>

I-Trop

Plant & Health Bioinformatics Platform

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



AUORE
COMTE



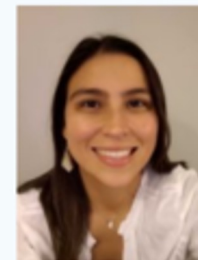
JACQUES
DAINAT



ALEXIS
DEREEPER



BRUNO
GRANOULLAC



JULIE
ORJUELA-



NDOMASSI
TANDO



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South Green

bioinformatics platform



Florian Charriat
Antoni Exbrayat



Guilhem Sempere



Bruno Granouillac
Jacques Dainat

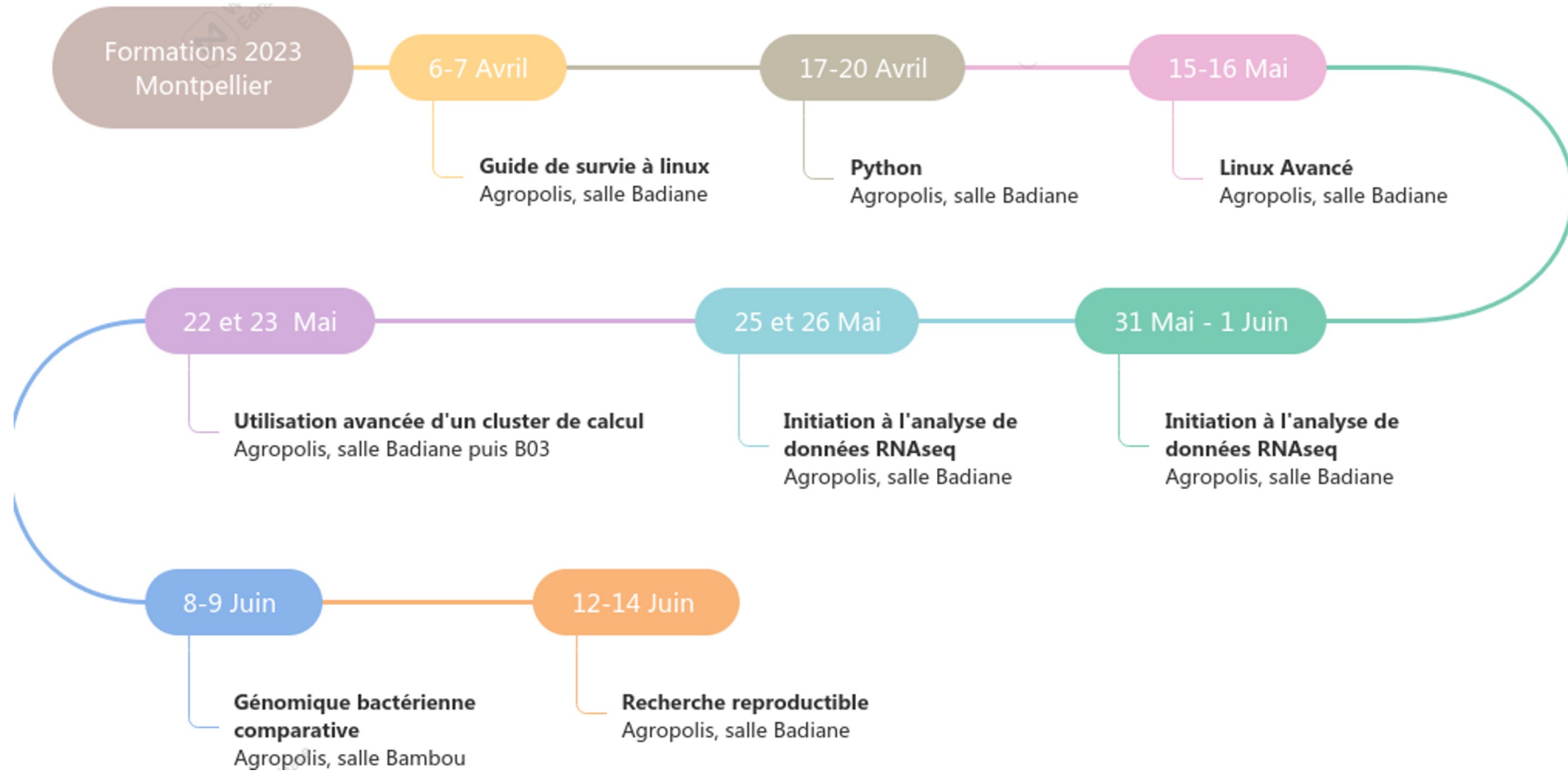


Nicolas Fernandez



Thomas Denecker

And more collaborators !





Formation Python



Adapté du cours HLIN404 de Anne-Muriel Chiffolleau (UM)