

P988**The South Green Bioinformatics Platform***Date: Monday, January 13, 2014**Room: Grand Exhibit Hall*

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The South Green platform (<http://www.southgreen.fr/>) is a local network of scientists gathering Bioinformatics skills based on the Agropolis campus that hosts research institutes such as CIRAD, IRD, INRA, SupAgro and Bioversity international. Based on this strong local community in the field of agriculture, food and biodiversity, various bioinformatics applications and resources dedicated to genomics of tropical and Mediterranean plants has been developed and published.

The objectives of South Green are to promote these original tools as well as their interoperability. Exchange and collaborative developments are also fostered through regular hands-on sessions on synergistic themes such as Galaxy, genome annotation or next generation genotyping. Finally, we provide access to computing facilities and hands-on training for both users and developers engaged in the network.

The South Green web portal contains currently 20 information systems and tools and targets about 30 plants. As a proof of concept for system interoperability, we recently released the Banana Genome Hub powered by major GMOD components (i.e. Chado, Cmap, Gbrowse, Tripal, Galaxy, Pathway tools) and South Green tools (e.g. GnpAnnot, GreenPhylDB, SNIPlay, TropGeneDB, ESTtik, OryGenesDB). This concept of hub can be extended to other crops as currently done for the Coffee genome.

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