

Ad hoc support

Agronomic Linked Data

ABSTRACT

Within the framework of the LMI RICE (Joint IRD - Agricultural Genetics Institute (AGI) Laboratory, Hanoi, Vietnam, site of the LMI RICE), studies of the genotypic and phenotypic diversity of traditional Vietnamese rice varieties are conducted with the aim of identifying genes of interest for understanding biological processes (plant development and plasticity, disease resistance). These studies require the manipulation of a large volume of data of various kinds.

In this context, the LMI RICE team wishes to organise its own data sets in order to be able to more easily exploit and share them in a multi-partner context.

The scientific objective linked to this request is therefore to propose and implement a generic solution for storing and managing files of various kinds (Excel, structured text, images, databases), thanks to the design of a "flexible" system (i.e. supporting change) according to the needs of users.

The spin-offs of this project will directly benefit the two "Plants" UMRs of the IRD (DIADE and R), and more widely the laboratories of the Labex, in particular via the IRD bioinformatics platform in Montpellier. In addition, the LMI RICE is a laboratory associated with the (Franco-Vietnamese university in Anoi), for which the development of such a tool is of great interest for training and the various research laboratories associated with it.

Keywords : Rice, Phenotyping, Bioinformatic, Operation, Plant

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Project number : 1500-002

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Project type : PC

Research units in the network : SENS

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Flagship project : no

Project leader : Pierre Larmande

Project leader's institution : IRD

Project leader's RU : DIADE

Budget allocated : 3888 €

Total budget allocated (including co-financing) : 3888 €

Funding : Labex