

7.1 RÉMY DUVAL (ITB), and Syppre Project contributors

ITB, 45 rue de Naples, F – 75008 Paris

SYPPRE PROJECT: DEVELOPMENT AND TEST OF INNOVATIVE CROP SYSTEMS IN FIELD CROPS AREAS

ABSTRACT

Syppre is a new and huge project shared by three technical institutes in France, Arvalis-Institut du Végétal (cereals, potato), Terres-Inovia (oil seeds, protein crops), and ITB for sugar beet. The objective is to make our institutes work together at crop system scale, first to get knowledge of today systems and evaluate them, and secondly to imagine new systems involving new cultivation techniques, with the aim of combining productivity, economical sustainability, and environment respect. Innovative systems will be tested in large long term field trials and led by technical institutes. Two experimental platforms, among five, integrate sugar beet, in Picardie and in Champagne regions. The first step was the construction of innovative crops systems, which was achieved with regional agriculture actors. For the selection of the most promising ones, systems were evaluated through Systerre® tool implementation. Field experimental devices are set up and first measurements are being obtained.

The whole project intends to be a place for knowledge acquisition, for communication and exchange with farmers, development technicians and agriculture and agro industry actors. It will be a place for demonstrations of new cultivation techniques. The ambition is also to welcome scientific projects on an original long term experimental site. The project is intended to run for at least 15 years.
