



**Seventh framework programme
Food, Agriculture and Fisheries, and Biotechnology**

Specific International Co-operation Actions
Small or medium scale focused research project



Sweet Sorghum an alternative energy Crop

Grant Agreement n° 227422



Deliverable 4.4:

*Ideotype concepts developed using
modelling and information from task 1
and 2*

Composition of the consortium

CIRAD
ICRISAT
EMBRAPA
KWS
IFEU
UniBO
UCSC
ARC-GCI
UANL
WIP

This Deliverable was not achieved during the project. As explained in the last period report (July 2013 – June 2014) and for Deliverable 4.4, we could achieve the tasks aiming at improving sorghum plant and crop modelling to account for traits underlying the phenotypic variability and diversity in terms of sugar production, stem size, grain production, stay-green of sorghum.

This was achieved based on experiments performed during the project in the field and greenhouses.

However we could not finalize the validation of the new model and thus its application for sensitivity analysis of trait impact on sugar and grain production.

This will be however performed by Cirad within 2 companion projects following Sweetfuel: (1) Biomass for the future (BFF – www.biomassforthefuture.org), funded by the French National Agency for Research (ANR) and (2) a project recently funded by Agropolis Foundation (France) and Ceres-Cariplo (Italy) titled “Diversifying and optimizing biomass sorghum production and valorization for Mediterranean and Semi-arid environments: an integrative approach merging biological sciences, biomaterial development and socio economic assessment” (BioSorg).