



**Thursday 5 November**  
**EU-India PARTNERING EVENT**

## PROFILE FORM

ORGANISATION DETAILS					
Organisation name		Centre de Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD)			
Street *		Avenue Agropolis			
ZIP *	34398	City *	Montpellier	Country *	France
Phone *	+33 467 61 75 39		Fax	+33 467 61 57 42	
Email *	serge.braconnier]@cirad.fr		Web	www.cirad.fr	
Employees	<input type="checkbox"/> 1-10	<input type="checkbox"/> 11 - 50	<input type="checkbox"/> 51 - 250	XXXX	
Organisation type	<input type="checkbox"/> University	XXXXX	<input type="checkbox"/> Industry	<input type="checkbox"/> SME	<input type="checkbox"/> Other
Department	Biological Systems Department				
Short description of your company/organization	CIRAD is an industrial and commercial public establishment placed under the joint authority of the Ministry of Higher Education and Research, and Ministry of Foreign and European Affairs. Its mandate is to conduct research centring on the Millenium Development Goals, in which methods and knowledge are built in partnership with stakeholders in developing countries, to contribute to development and poverty alleviation.				

PARTICIPANT			
Gender	XXX	<input type="checkbox"/> Ms	Title Dr
First name	Serge		
Last name	BRACONNIER		
Position	Senior scientist / Coordinator of SWEETFUEL project		

PARTNERSHIP PROPOSAL	
<p><u>EU-India partnering event session participation:</u></p> <p><input type="checkbox"/> Sustainable production and management of biological resources from land, forest and aquatic environment XXXX</p> <p><input type="checkbox"/> Fork to farm: Food (including seafood), health and well being</p> <p><input type="checkbox"/> Life sciences, biotechnology and biochemistry for sustainable XXXX</p> <p><input type="checkbox"/> Health</p>	
<p>Areas of activity (Free keywords)</p>	<p>Ecophysiology, modeling, breeding, climate change</p>

PROJECT DESCRIPTION	
<p>Title of your research project in one sentence</p>	<p>Sweet sorghum: an alternative energy crop (SWEETFUEL)</p>
<p>Short description of project</p>	<p>Increasing world market prices for fossil fuels, driven by limited reserves, growing demand and instability in producing regions, now render renewable fuels economical. Such fuels are also a pathway to reducing GHG emissions and mitigating climate change. Bio-ethanol from crop plants is a promising, partial solution to sustainably satisfy the energy demand for road transport. Sweet sorghum, as a source of either fermentable free sugars or lignocellulosics, has many potential advantages, including: high water, nitrogen and radiation use efficiency; broad agro-ecological adaptation; rich genetic diversity for useful traits; and the potential to produce fuel feedstock, food and feed in various combinations. Fuel-food crops can thereby help reconciling energy and food security issues. This project will breed for improved cultivars and hybrids of sorghum for temperate, tropical semi-arid and tropical acid-soil environments by pyramiding in various combinations, depending on region and ideotype, tolerance to cold, drought and acid (Al-toxic) soils; and high production of stalk sugars, easily digestible biomass and grain (WP 1-3). Molecular-genetic and physiological breeding support is given by WP4, and agro-ecological adaptation and sustainable practices are developed by WP5. Other WPs (6, 7, 8) provide for integrated technology and impact assessments including economics, dissemination and coordination. The Consortium is composed of 10 members from France (leader), Italy, Germany, Brazil, India, Mexico and South Africa, including a seed company. Research involves structured participation of stake holders, including policy makers. Project outcomes will be new germplasm, sustainable practices and commodity chain concepts adapted to each target region. The duration of the project is 5 years</p>
<p>Description of expertise offered</p>	<p>CIRAD can provide expertise in the fields of: i. agricultural production, ii. Animal production, iii. Forest management, iv. Food and product processing, v. natural resources and vi. Rural territories, and according the following six priorities lines, i. ecological intensification, ii. Biomass energy, iii. Food, iv. Animal health and emerging diseases, v. public policy and vi. Rural areas.</p>
<p>Description of requested partner expertise</p>	<p>Research centers involved in the same topics as CIRAD and/or SWEETFUEL partners Private sectors interested in developing new tools for crops production</p>

 This event is funded by the Seventh Framework Programme, European Commission

