

Partner search form

Date:	12 June 2007
Valid until:	31 December 2008

Full name of organisation:	Council For Scientific and Industrial Research
Organisation acronym (abbreviation):	CSIR
Department / sector / faculty:	Natural Resources and the Environment
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Former participation in EU research projects as Co-ordinator:	No
If yes, please specify:	

Project idea

Project title:	Effective use and re-use of natural resources (water, energy & waste) in megacities
Acronym:	Natural Resources in Megacities
Project type:	Environment
Call identification code:	FP7
Topic addressed:	Environment
Short description of project idea:	Most modern cities are vast processors of food, fuel, water and raw materials that are used once and then thrown away, having been transformed into 'waste products'. This input-output flow is described as a linear metabolism and is widely regarded as unsustainable. Instead, it is widely held that urban sustainability requires a shift to a circular metabolism that mimics nature's circular metabolism, using and reusing resources efficiently and minimizing waste discharges. This project entails the identification, characterization, harvesting and distribution of resources available within the city. The project therefore aims to support sustainable growth in megacities through efficient resource use, reuse and cycling.
Expertise:	Water resource policy, strategy, assessment and management Integrated waste management, Urban development and Social-ecological systems

Profile of partner sought

Type of partner:	EU participant
Role to cover in the project:	Coordinator
Country / Region:	EU
Start of collaboration:	
Expertise required:	Water resources planning and development, Public administration and urban planning, Energy efficiency in urban development and Integrated waste management