



AguaSociAL

Università degli Studi di Roma Tre
Scuola di Economia

What is AguaSociAL?



AguaSociAL is a joint exchange programme which aims to strengthen research cooperation and knowledge sharing between Brazil and Europe within the water related sciences.

Partners

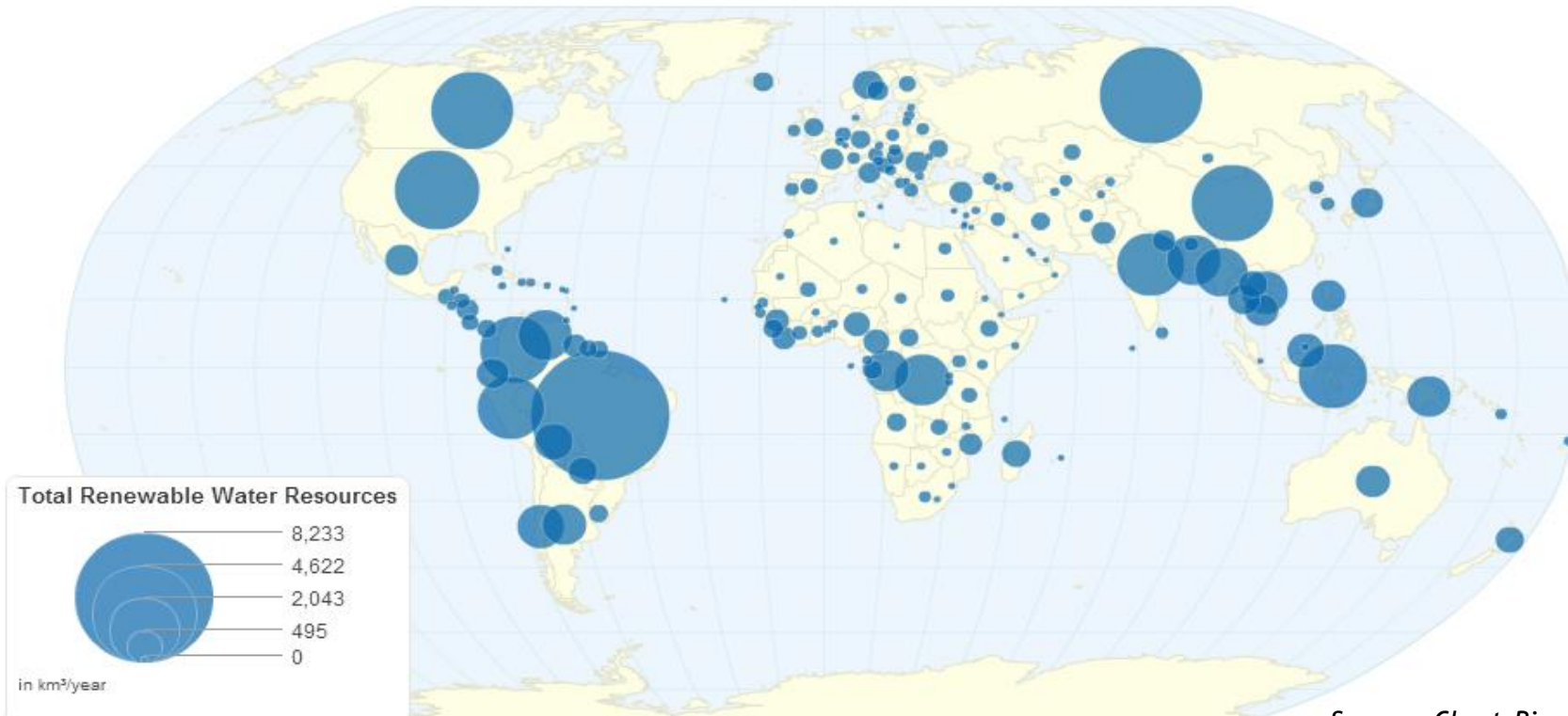


Aims of the Project

- ▶ Research
- ▶ Exchange
- ▶ Knowledge
- ▶ Innovation
- ▶ Training
- ▶ Development



The Matter of Water



- ▶ Brazil has the greatest water potential in the world: 8 233 km³ / year
- ▶ The Amazon River
 - ▶ Is the longest rivers in the world: 6 992 Km
 - ▶ Hydrographic basin: 6 915 000 Km²
 - ▶ Average discharge: 209 000 m³ /s

Source: *World Resources Institute, 2015.*

Basic Need

Transport

Disease

Agriculture and
Livestock

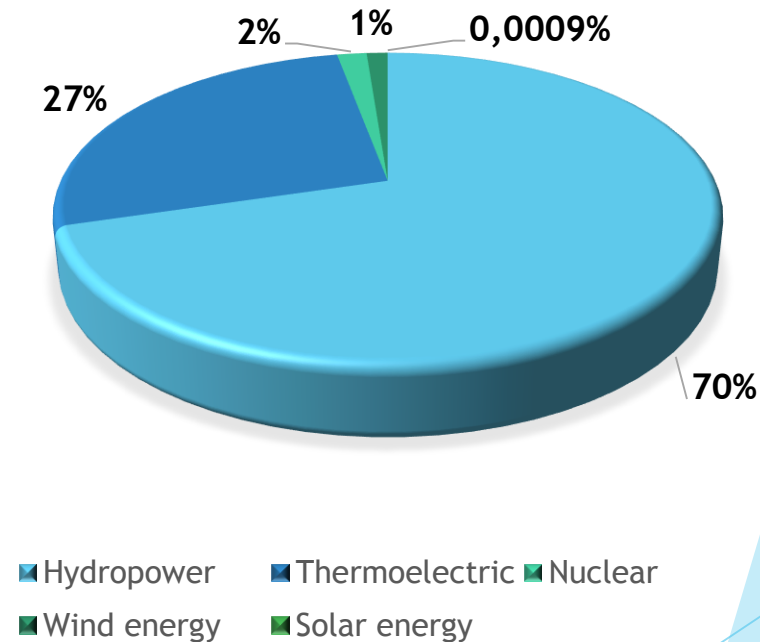
Production of
Electricity

Hydroelectric Sector

Producers	TWh	% of world total	Net installed capacity	GW
China	872	23,2	China	194
Brazil	415	11,1	United States	101
Canada	381	10,1	Brazil	84
United States	298	7,9	Canada	76
Russian Federation	167	4,5	Russian Federation	49
Norway	143	3,8	Japan	49
India	126	3,4	India	40
Japan	84	2,2	Norway	30
Venezuela	82	2,2	France	25
Sweden	79	2,1	Italy	22
Rest of the world	1109	29,5	Rest of the world	355
World	3756	100	World	1025

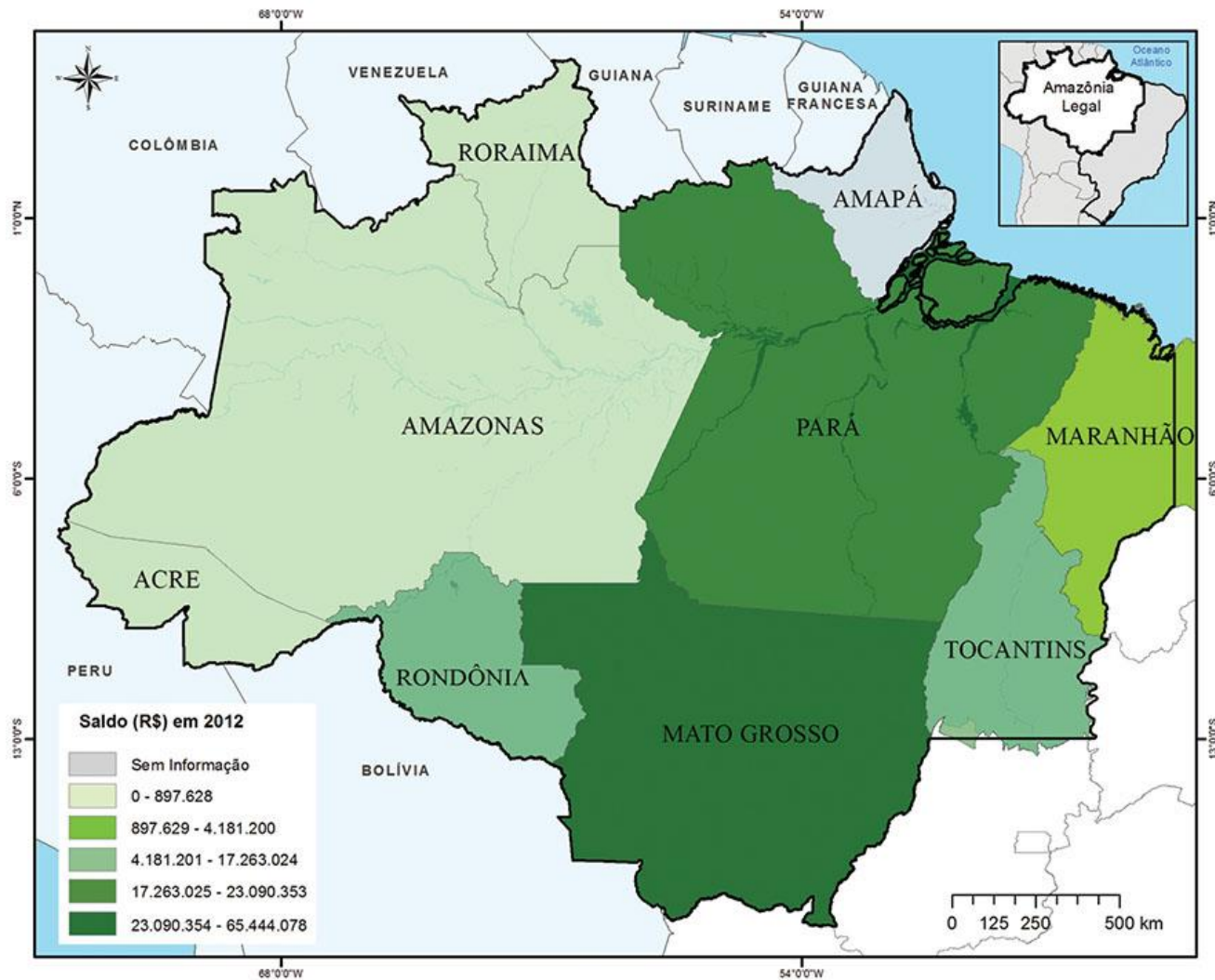
Source: IEA, 2014.

Electric Installed Capacity (2012)



Source: ANEEL, 2012.

The Amazon Region



Source: CGI, Imazon, 2012.

State of Amazonas

- ▶ Extension: 1 570 000 km²
- ▶ Population: 3 938 336 (2015 est.)
- ▶ Forest: 44,98 %

State of Pará

- ▶ Extension: 1 247 954 km²
- ▶ Population: 8 175 113 (2015 est.)
- ▶ Forest: 27,15 %

Source: IBGE, 2013; PRODES, 2015.

Dams in the Amazon Rainforest



Actually

- ▶ Amazon Region 100
- ▶ *Amazônia Legal* 74

Dams in the Amazon Rainforest



Actually

- ▶ Amazon Region 100
- ▶ *Amazônia Legal* 74

Planned

- ▶ Amazon Region 137
- ▶ *Amazônia Legal* 94

Roma Tre Students' Visiting

October-December 2014



Usina Hidrelétrica de Tucuruí



Usina Hidrelétrica de Belo Monte



Rome

Visiting and Research at Roma Tre
University
May-July 2014



Rome

Visiting at ENEA (*Italian National Agency for New Technologies, Energy and Sustainable Economic Development*)

May-July 2014



Brussels

Green Week

5 June 2014

Green Week Side Event - 05 June 2014 Social Innovation in the Waste and Water Smart Cities in Brazil, workshop



Social Innovation the Waste and Water Smart Cities in Brazil, Workshop

The event is focused on social innovation for waste and water related to Brazilian smart cities. It is conceived as workshop and it starts from the activities performed within several EU Projects in the target field, with participation of Speakers from EU and Brazil.

Issues connected to waste, water, social innovation, and smart cities can be addressed. Therefore, the event will deal with how smart cities can become waste-wise and water-wise cities and the workshop will then focus on issues where Waste, Water, Energy and Transport can be integrated and linked to social innovation.

The event is intended to contribute to identify existing and potential waste & water treatment, reuse, recycling and sanitation technologies that are socially accepted, community owned and for the benefit of communities, both urban and rural level.

Venue

Atrium Science 14,
Rue de la Science 14 b,
Brussels

From 9:00 to 17:00

Info & Registration: greenweek2014.efb@gmail.com



Brussels

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Time	Theme	Speakers
9:00 - 9:30	Register of Participants	
9:30 - 10:30	Welcome Speeches	Salvatore Monni, Università Roma Tre Horacio Schneider, Universidade Federal do Pará - UFPA Leonardo Piccinetti, Europa for Business - EFB
	Moderator	Richard Eleman, Fundacion CTM Centre Tecnològic
10:30 - 10:45	Presentation of the MADAM Project - Mangrove Dynamics and Management Examples of EU Brazil Internation Cooperation and Environmental Innovation	Horacio Schneider, Universidade Federal do Pará - UFPA
10:45 - 11:15	Debate	
11:15 - 11:30	Coffee Break	
11:30 - 11:45	Governance of Water & Waste in a comparative perspective EU-Brazil	Massimiliano Mazzanti, Università di Ferrara
11:45 - 12:00	Alternative uses of natural resources for sustainable development and poverty reduction in the Amazon Region 25 years of research and best practices for socio-environmental innovation implemented by the Environment Centre of UFPA (NUMA)	Gilberto Rocha, Universidade Federal do Pará - UFPA
12:00 - 12:15	Water Reuse Innovation, Review and Future Needs for Market Application	Maria Borrós González, WE&B - Water, Environment and Bussiness for Development
12:15 - 12:30	Social Innovation technologies and access to Water Overview of Social Technologies implemented in Brazil and Challenges of local ownership	Ronaldo Mendes, Universidade Federal do Pará- UFPA

12:30 - 12:45	Social Technologies & Forestry Case Studies of Rural Communities in the Central Amazon	Paulo de Tarso, Universidade Estadual do Amazonas - UEA / National Research Institute of tje Amazon - INPA
12:45 - 13:00	Debate	
13:00 - 14:00	Lunch	
14:00 - 14:15	Brazilian funding mechaisms and opportunities for EU-Brazil Cooperation	Jair Maia, Universidade do Estadual do Amazonas - UEA
14:15 - 14:30	Water, Energy & Smart Cities Hydroelectric Dams and implications on Environment, Cites and Populations	Gilberto Rocha, Universidade Federal do Pará - UFPA
	Presentation of EU Projects and Initiatives related to Water, Waste, Energy & Social innovation	Richard Eleman, Fundació CTM Centre Tecnològic
	Presentation of City Blueprints	Salvatore Monni, Università Roma Tre
14:30 - 15:30	Presentation of AguaSocial	Steven Libbrecht, Prospex
	Presentation of BEWATER	Eugenio Gervasini, Joint Research Centre - JRC
	Presentation of RALCEA	
15:30 - 15:45	Smart Cities and Urban Water Presentation of the City Blueprints Report in a comparative reading EU-Brazil	Cornelis Johannes van Leeuwen, KWR Watercycle Research Institute
15:45 - 16:00	Presentation of EU projects and Initiatives related to Water, Waste, Energy & Social Innovation	Francisco Rodriguez, TECNALIA - Parque Científico y Tecnológico de Bizkaia
16:00 - 16:15	Industrial solid waste management: eco-sustainable treatments	Raffaele Cioffi, University Parthenope of Naples
16:15 - 16:30	Cities and climate change - Go Amazon Project	Jair Maia, Universidade Estadual do Amazonas - UEA
16:30 - 17:00	Debate	

Green Week
5 June 2014

Leeds

Visiting and Research at Leeds Beckett
University
September-October 2015



Leeds

**International Sustainable Ecological Engineering Design for Society
(SEEDS) Conference 2015**
17 & 18 September 2015



Rome

Meeting with the Yokohama National University
5-6 November 2015



Brazil - Communities

Roma Tre Students' Visiting
Nossa Senhora des navegantes (Ilha da Aura)
September 2015 - January 2016



Brazil - Communities

Roma Tre Students' Visiting

Umarizal (Baiao - Tucuruí) and Nova Olinda, P.A Assurini (Altamira)
September 2015 - January 2016



Brazil - Communities

Roma Tre Students' Visiting

Santa Luzia (Santarém) and Associação dos agricultores Familiares do Ramao São Francisco 3 (Manaus)
September 2015 - January 2016



Rome

Introduction of the project within the courses
in Environmental and Development Economics
of Roma Tre University



Contacts



http://cordis.europa.eu/project/rcn/111055_en.html



<https://it.linkedin.com/in/aguasocial/en>



<https://www.facebook.com/Aguasocial/>



<https://www.youtube.com/watch?v=PSuKVqB0C20>
<https://www.youtube.com/watch?v=HaygaRnwhVw>