2012 Report
Section I: Land and Water Engineering

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1. INTRODUCTION: THE CIGR

The International Commission of Agricultural and Biosystems Engineering (CIGR) was set up by a Constituent Assembly on the occasion of the first International Congress of Agricultural Engineering, held in Liege, Belgium in 1930. It is an international, non-governmental, non-profit organisation regrouping, as a networking system, Regional and National Societies of Agricultural Engineering as well as private and public companies and individuals all over the world.

The mission statement of CIGR is:
"...to serve - on a world-wide basis and through its members - the needs of humanity by fostering mutual understanding, improvement and rationalisation of sustainable biological production systems while protecting nature and environment and managing landscape through the advancement of engineering and allied sciences..."

The main aims of CIGR are to:
- stimulate the development of science and technology in the field of Agricultural Engineering,
- encourage education, training and mobility of young professionals,
- encourage interregional mobility,
- facilitate the exchange of research results and technology,
- represent the profession at a world-wide level,
- work towards the establishment of new associations, both at national and regional level, and to the strengthening of existing ones, and to
- perform any other activity that will help to develop Agricultural Engineering and allied sciences.

CIGR contains a number of Technical Sections, each active in one particular field of Agricultural Engineering. Each section is governed by an International Section Board and presided by a section Chairperson.

The Technical Sections are:
- SECTION I: LAND AND WATER ENGINEERING
- SECTION II: STRUCTURES AND ENVIRONMENT
- SECTION III: PLANT PRODUCTION
- SECTION IV: ENERGY IN AGRICULTURE
- SECTION V: SYSTEM MANAGEMENT
- SECTION VI: BIOPROCESSES
- SECTION VII: INFORMATION TECHNOLOGY

For further information, see the CIGR website: http://www.cigr.org/
2. CIGR-SECTION I: LAND AND WATER ENGINEERING

2.1 Mission statement

The mission statement of CIGR Section 1: Land and Water Engineering is:

“... to promote the advance of the engineering science in the area of land and water use in agriculture and in rural areas, giving special attention to the conservation of resources, the preservation and re-establishment of environmental balances, and the social and economic impacts of applications in order to realize sustainable development for both urban and rural societies ...”

2.2 Objectives

The mission statement of Section I implies a range of objectives that contribute to the promotion of engineering science in land and water use in agriculture. These are:

- Improving the knowledge on processes leading to or affecting the quality of land and water resources;
- Developing and applying technologies for land use planning, including forecasting land use changes, and assessing land use impacts;
- Improving the knowledge of hydrological processes as affected by land use and agricultural practices;
- Enhancing knowledge of water contamination by fertilizers and agro-chemicals, and other agricultural sources, as well as assessing control measures;
- Improving technologies for higher performances in irrigation and drainage;
- Assessing environmental impacts of land and water use in agriculture;
- Developing technologies, standards and monitoring systems for wastewater treatment and reuse, and use of low quality water in agriculture.

2.3 Scope

Considering the objectives defined as above, the scope of CIGR-Section I refers to the following main subject areas:

- Soil management and soil technologies;
- Soil and water conservation and soil erosion assessment;
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- Agricultural and rural watershed hydrology;
- Land use planning and management;
- Rural roads and related supporting infrastructures;
- Irrigation scheduling and on-farm irrigation systems;
- Surface and sub-surface drainage systems;
- Irrigation water supply, conveyance and distribution systems;
- Non-point and point source contamination assessment and control;
- Integrated soil and water use planning;
- Integrated impact assessment of land and water development projects;
- Modern technologies in land and water engineering, including modelling, information systems, remote sensing, decision support and expert systems.

The Section co-operates with three Working Groups:
- the Working Group on “Sustainable Land Use and Landscape Planning”, chaired by Gerrit J. Carsjens;
- the Working Group on “Water Management and Information Systems”, chaired by José Fernando Ortega;

2.4 Activities

To achieve the objectives, several activities shall be developed by CIGR-Section I. These comprise:
- Organisation, sponsoring and co-sponsoring of seminars, workshops and conferences oriented to the objectives and scope of CIGR-Section I;
- Co-organisation of thematic special sessions, workshops or seminars on occasions of CIGR congresses;
- Collaboration in scientific committees of general themes of CIGR Congresses;
- Contributing to the e-journal of CIGR, both with papers and paper reviews, as well as to other publications of CIGR;
- Supporting the specialised working groups of CIGR of which themes fall in the domain of the Section, the respective Chair Persons becoming members of the Section Board;
- Establishing special relationships with other international societies of which field is common to that of Section I, namely the International Commission on Irrigation and Drainage and the European Society for Soil Conservation, of which representatives are ex-officio members of the Board of Section I;


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- Developing relations with the regional Agricultural Engineering Societies for implementing common actions; at present one Vice-President of EurAgEng is ex-officio member of the Board of Section I;
- Implementing inter-sections activities;
- Promoting exchanges of scientific information with professionals, such as through the FAO Agricultural Engineering sites.

All activities referred above require improved effectiveness from contributions of the Board members but some need particular inputs from the CIGR Bureau. This is the case for:

- Better clarification of relationships between Congress organizing and scientific committees and the CIGR-Section Boards for more effectively achieving common objectives and improving the quality of Congress papers and publications;
- Re-examining the contributions of CIGR Sections to the E-journal of CIGR, probably considering specialized editorial boards relative to each Section domain, such as for the Transactions of ASAE;
- Providing better information and diffusion of the e-journal of CIGR to increase its circulation and its recognition by the scientific and engineering community;
- Promoting the links of the regional Agricultural Engineering Societies with the CIGR Sections; a representative of each of these societies should become either member or ex-office member of each Section Board for improved co-operation;

2.5 Relationships with other Societies in the fields of Land and Water

1. Co-operation with ESSC (European Society for Soil Conservation)

A closer co-operation between the European Society for Soil Conservation (ESSC) and CIGR has been agreed on. The President of ESSC, Dr. Jose L. Rubio, was therefore invited to participate in the CIGR Section I Board.

2. Relationships between CIGR and EurAgEng on “Land and Water”

There has been a good communication between the two organisations. Prof. D. de Wrachien, Honorary Chairman of the Special Interest Group SW20 “Soil and Water” of EurAgEng, is ex-office member of the Board of CIGR Section I. Prof. A. Musy, former Vice-Chairperson of CIGR Section I, is still the representative of Section I in the Special Interest Group SW20 “Soil and Water” of EurAgEng.

From 2007-2010, Prof. Nunzio Romano represented the EurAgEng as permanent observer in CIGR Section I Board. It is desirable that such collaboration will be continued.
3. Collaboration with ICID

It has been agreed in the past that Dr. R. Ragab, Chairperson of the ICID Committee on “Sustainable Use of Natural Resources for Crop Production”, and a Chairperson of this Section Board will be mutually ex-office members of the counterpart working bodies. Prof. H. van Lier, represented CIGR Section I in that Committee until 2010.

Until 2010 Prof. H. van Lier has also been the representative member of CIGR in the ICID Working Group on “Integrated Land and Water Resources Management”, so to exchange information and develop co-operative activities.

4. Relationships between CIGR and NOWRA

Prof. Dr. Ted L. Loudon represents the U.S. based National Onsite Wastewater Recycling Association (NOWRA) with the aim of promoting the onsite wastewater treatment and recycling industry through education, training, communication and quality tools to support excellence in performance.

5. Relationships between CIGR and PIARC

Prof. Dr. C. F. Jaarsma represents the World Road Association (PIARC), dealing with road infrastructure planning, design, construction, maintenance and operation.

6. Relationships between CIGR and PAWEES

Before 2007, Prof. Dr. Yohei Sato represented the International Society of Paddy and Water Environment Engineering (PAWEES). PAWEES’ mission is to dedicate to the advancement of science and technology of land and water environmental disciplines in paddy-farming, considering the paddy rice-culture (which is quite different in its nature from the upland farming) as the most important agricultural practice, especially in Asia-monsoon climate regions, in-terms of socio-economic, cultural, political and natural environment as well as symbolizing the image of harmonization of water and soil environment including many external intangible benefits ignored often in the past. PAWEES’ establishment is to recognize the importance of the uniqueness of rice cultivation, the multifunctionality of rice ecosystems, efficient utilization of soil and water, and related environmental issues.

From 2007-2010, Prof. Dr. Yoshisuke Nakano represented PAWEES as permanent observer in CIGR Section I Board.

7. Relationships between CIGR and EIER-ETSHER

Prof. Dr. Amadou Hama Maiga represented the International Institute of Water and Environmental engineering (2iE), Group EIER-ETSHER (Groupe des Ecoles Inter Etats des Ingenieurs et des Techniciens Superieurs). This initiative is at the heart of a global effort to promote development and economic growth in Africa. The formation, in Africa and by Africans, of high level scientists and engineers, in keeping with the private sector and the realities of the continent, aims to supply Africa with its future scientific elite and future leaders capable both of installing economic dynamism and of bringing concrete solutions to the problems which afflict Sub-Saharan Africa.

For the period 2007-2010, Prof. Dr. Hamma Yacouba represented EIER-ETSHER as permanent observer in CIGR Section I Board.
8. Relationships with the Presidium of CIGR

Prof. Dr. Luis Santos Pereira, Honorary Chairperson of Section I was Past President of CIGR for the period 2005-2006. During his mandate a closer cooperation was carried out in terms of coordination among all CIGR sections.

9. Relationships between CIGR and WWC

The World Water Council is the International Water Policy Think-Tank dedicated to strengthening the world water movement for an improved management of the world's water resources and water services. Its mission is "to promote awareness, build political commitment and trigger action on critical water issues at all levels, including the highest decision-making level to facilitate the efficient conservation, protection, development, planning, management and use of water in all its dimensions on an environmentally sustainable basis for the benefit of all life on earth".

Prof. Dr. Luis Santos Pereira, honorary President of CIGR, committed himself to invite WWC to participate in the Board of CIGR Section-I with one ex-office member representing the World Water Council.

10. Relationships between CIGR and ISOMUL

The International Study group Of Multiple Uses of Land (ISOMUL) was founded in 1974 and has been set up as a platform for discussions and publications on topics related to multiple use of land. Initially, these discussions and publications were aimed at problems concerning planning for multiple land uses in western society. Today it is well understood that most of these problems are of a world wide nature.

Through the years the mission of ISOMUL has been extended, in response of an integration of new topics in planning for multiple land uses. The planning for a sustainable countryside, the relation between urban and rural areas, the restoration of nature and ecosystems and the safeguarding of our natural resources are but a few of these topics.

Prof. Pat Taylor is one of the chairman of ISOMUL and Dr Gerrit J. Carsjens is the secretary of ISOMUL. Both are a member of CIGR Section-I Board, and express their support to strengthen links between both organisations.

2.6 Inter-Regional Conferences on Environment-Water

From 1998 until 2012 CIGR Section I organized a yearly conference under the umbrella Inter-Regional conference on Environment-Water. These were:


- 2nd Inter-Regional Conference on “Emerging Technologies for Sustainable Land Use and Water Management”, September 1999, Lausanne, Switzerland.
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- 6th Inter-Regional on “Land and Water Use, Planning and Management”, September 3-5, 2003, Albacete, Spain.

- 7th Inter-Regional Conference on “Land and Water Management: Decision Tools and Practice”, on the occasion of the 2004 CIGR International Conference, October 11-14, 2004, Beijing, China.

- 8th Inter-Regional Conference on “Environmental Quality through Collaboration and Design”, June 27-29 2005, Arlington, Texas, USA.


- 10th Conference on “Ensuring Water and Environment for Posterity”, in New Delhi, India, organised by the Indian Society of Water Management, in collaboration with the Indian Society of Agricultural Engineering and CIGR, at the Indian Agricultural Research Institute in New Delhi, India, October 17-20, 2007.

- 11th Inter-Regional Conference on Environment-Water, in Iguassu Falls City, Paraná State, Brazil, August 31-September 5, 2008, on the occasion of the CIGR World Congress.

- 12th Inter-Regional Conference on Environment-Water, in Marrakech, Morocco, November 11-13, 2009

- 13th Inter-Regional Conference on Environment-Water, in Quebec City, Canada, June 13-17, 2010, on the occasion of the XVIth World Congress of CIGR

- 14th Inter-Regional Conference in CIGR International Symposium 2011 on "Sustainable Bioproduction - Water, Energy, and Food", September 19-23, 2011 Tokyo, JAPAN.

- 15th Inter-Regional Conference in CIGR-EurAgEng joint Congress on Agricultural Engineering 2012 Valencia Spain.
2.7 Inter-Regional Conferences on Land and Water Challenges

In 2012 the board of CIGR Section I decided to close the Inter-Regional conference on Environment-Water series and to organize a new series with a new name. The umbrella title of the new series is: Inter-Regional conference on Land and Water Challenges.

- 1st Inter-Regional Conference on Land and Water Challenges will be held in Bari, Italy, September 10-15, 2013.

The next Inter-regional conferences are planned for:

- 2nd Inter-Regional Conference on Land and Water Challenges, as a part of the CIGR World Congress, will be held in China, 2014
- 3rd Inter-Regional Conference on Land and Water Challenges will be held in Punta del Este, Uruguay, 2015.

2.8 Sponsored and/or Co-sponsored activities

* Sponsored and/or Co-sponsored Conferences and Workshops in 1999


* Sponsored and/or Co-sponsored Conferences and Workshops in 2000

- International Conference on “Micro and Sprinkler Irrigation Systems”, New Delhi, India, February 8-10, 2000, organised by the Indian Central Board of Irrigation and Power.
- 4th International Conference on Soil Dynamics (ICSD-IV), held 26-30 March 2000, Adelaide, Australia, regarding to soil characterisation, soil-machine interaction and soil-biological and environmental interaction (co-sponsored by CIGR).
- Conference on “Fragmentation and Land Use Planning: Analysis and Beyond”, held in Wageningen, The Netherlands, June 19-21, 2000, co-organized by CIGR and ISOMUL
- 8th International Workshop on “Drainage”, held in New Delhi, India, February 1-4, 2000 co-sponsored by CIGR).
- 15th ISTRO Conference on “Tillage at the Threshold of the 21st Century: Looking Ahead”, held at Fort Worth, Texas, United States, July 2-7, 2000, organised by the International Soil Tillage Research Organization (ISTRO) and Texas A&M University.
International Workshop on “Control of Adverse Impacts of Fertilisers and Agrochemicals”, held 25-26 October, 2000, Cape Town, South Africa, co-sponsored by CIGR.

6th International Micro-irrigation Congress, Cape Town, South Africa, held October 22-27, 2000, organised by the South African National Committee on Irrigation and Drainage (SANCID) and the South African Institute of Agricultural Engineers (SAIAE).

Special Technical Session on "Paddy Field Agriculture", Held during the XIV Memorial CIGR World Congress 2000, Tsukuba, November 29, 2000, co-organized by CIGR Section I and the Japanese Organising Committee.

*Sponsored and/or Co-sponsored Conferences and Workshops in 2001*

9th European Regional Conference on "Sustainable Use of Land and Water", held 4-8 June 2001, Brno and Prague, Czech Republic, organised by the ICID in co-operation with CIGR-Section I, and EurAgEng: Soil and Water Group.

International Conference on “Sustainable Soil Management for Environmental Protection – Soil Physical Aspects”, held 2-7 July 2001, at Florence, Italy, organised by the Istituto Sperimentale per lo Studio e la Difesa del Suolo and co-organised by CIGR Section I.

International Symposium on Land Use Cover Change. Contribution to the Asian Environmental Programme, Tokyo, Japan, December 13-14, 2001, organised by the University of Tokyo.

*Sponsored and/or Co-sponsored Conferences and Workshops in 2002*

ICID-CIID International Conference on “Drought Mitigation and Prevention of Land Desertification”, Bled, Slovenia, April 21-24, 2002, dealing with climate change, drought as a complex phenomenon, national strategies and action programmes and international cooperation.

Workshop on “Land-use Planning and Management in Densely Populated Areas”, held at the Washington State University, United States, June 2002 (main convenor is Hubert van Lier).


Sessions on "Decision and Expert Systems for Land and Water Management and Engineering" and "Land Use Planning and Natural Resources Management in Peri-Urban Areas", to be held on an occasion of the XV CIGR Congress, Chicago 2002, proposed to be organised jointly by ASAE and CIGR Section I.

International Workshop on “Crop Water Management for Food Production under Limited Water Supplies”, Montreal, Canada, July 2002, during the 53rd meeting of the International Executive Council of the ICID.


*Sponsored and/or Co-sponsored Conferences and Workshops in 2003


- International Conference on "Land Reclamation and Water Resources Development" Mantua, 27-29 May 2003. The Conference, organized by the Lombardia Region and the Italian Association of Land Irrigation and Reclamation Agencies, with the co-sponsorship of CIGR, EurAgEng, ICID and WWC, dealt with the sustainable drainage and land reclamation development in the European Mediterranean Environment.


- Workshop on “Improved Irrigation Technologies and Methods: Research, Development and Testing”, Montpellier, France, September 18-19, 2003, dealing with the state of art and the perspectives of new technologies and methods in irrigation, and two parallel sessions on surface and pressurized irrigation.

- Symposium '25 years of Assessment of Erosion', Ghent, Belgium, September 22-26, 2003, dealing with techniques, technologies and methods for assessing the different parameters and processes governing erosion by water, and review what has been in the last 25 years.


*Sponsored and/or Co-sponsored Conferences and Workshops in 2004

- ISCO 2004: 13th International Soil Conservation Organization Conference, organised by Australian Soil Science Society Inc. (ASSSI) and the International Erosion Control Association (IECA) and co-sponsored by CIGR-Section I, this conference will be held at Brisbane, Queensland, Australia from 4 to 9 July 2004.
Inter-Regional Conference on “Food Production and Water: Social and Economic Issues of Irrigation and Drainage”, Moscow, Russia, September 2004.

AgEng 2004, Leuven, Belgium, 12-16 September 2004, organised by EurAgEng and CIGR-Section I co-sponsoring the session on “Basic Natural Resource Engineering”. The conference aims at engineering issues related to the future of agriculture, the environment, biological systems and related industries in order to serve society and all people.

* Sponsored and/or Co-sponsored Conferences and Workshops in 2005

- International Conference on "Water, Land and Food Security in Arid and Semi-Arid Regions" - Sept. 6 - 11, 2005 Bari Institute, Italy.
- III World Congress on Conservation Agriculture (WCCA), October 3-7 2005, Nairobi, Kenya.
- International Seminar on Sustainable Access and Local Resource Solutions, organized by the World Road Association (PIARC), November 2005, Cambodia.

* Sponsored and/or Co-sponsored Conferences and Workshops in 2006

- International Symposium on Water and Land Management for Sustainable Irrigated Agriculture, Adana, Turkey, 4 - 8 April, 2006.
- Multi-scale Modelling of Flow and Transport in Porous Media, Monte Verita, Switzerland, April 7–12, 2006.
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- International Conference “From Invention and Development to Product; From Research Institutes to the Water Industry”, Sede Boqer Campus, Israel, 21-23 November 2006.

* Sponsored and/or Co-sponsored Conferences and Workshops in 2007


- Iberian Congress on Agricultural Engineering, Albacete, Spain, September 3-6 2007.


* Sponsored and/or Co-sponsored Conferences and Workshops in 2008

- CIGR World Congress in Iguassu Falls City, Paraná State, Brazil, September 1-7, 2008.

- Co-sponsor on International symposium on “Efficient Irrigation Technology and Management for developing countries”, Beijing, China, Sept. 8-27, 2008.

- Co-sponsor on National Conference on “Agricultural Water and Land Engineering”, Shihezi City, Xingjiang Autonomous, China, July 31-August 1, 2008


- Master in “Irrigation problems in developing countries. March 31 – November 30, 2008. Istituto Agronomico per l’Oltremare, Florence, Italy. (iao@iao.florence.it)

- Co-sponsor on the International symposium on “Efficient Irrigation Technology and Management” for developing countries, which is planned to be held on Sept. 8-27, 2008, Beijing, China

* Sponsored and/or Co-sponsored Conferences and Workshops in 2009

- Co-sponsor on the International Conference on “Modelling, Simulation and Optimization in Engineering” was held on December 27-28, 2009, Beijing, China

- Co-sponsor on the International Training Program on “Efficient Irrigation Technology and Management” for developing countries, which was held on Oct. 13-31, 2009, Beijing, China

- Co-sponsor on the V Congreso Nacional y II Congreso Ibérico de Agronomingiería, which was held on Sept. 28-30, 2009. Lugo, Spain
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* **Sponsored and/or Co-sponsored Conferences and Workshops in 2010**
  - Co-sponsor on the International Conference on “XVIth World Congress of CIGR”, Quebec City, Canada, June 13-17, 2010.
  - Co-sponsor on National Conference on “Agricultural Water and Land Engineering”, Kunming City, Yunnan Province, China, August 6-8, 2010.
  - Co-sponsor on the 3rd International Conference on “Modelling, Simulation and Optimization in Engineering” was held on Dec. 26-27, 2010, Beijing, China.

* **Sponsored and/or Co-sponsored Conferences and Workshops in 2011**
  - Co-sponsor on VIth Congreso Iberico de Agroingenieria, September 5-7, 2011 Evora, Portugal.
  - Co-sponsor of XXIV PIARC World Road Congress, Mexico City, Mexico, 26-30 September 2011, where the report of Technical Committee A.4 “Rural Road Systems and Accessibility to Rural Road” was presented.

* **Sponsored and/or Co-sponsored Conferences and Workshops in 2012**
  - Co-sponsor of the conference on green landscapes in Inner Mongolia.

* **Forthcoming Sponsored and/or Co-sponsored Conferences**
  - The first Inter-Regional Conference on Land and Water Challenges, Bari, Italy, 10-14 September 2013.
2.9 CIGR-FAO Global Network on Agricultural Engineering

Activities of the Section I: Land and Water can be joined by participating in the workshops or, by subscribing to the CIGR-FAO Global Network on Agricultural Engineering. This global network is a joint activity of the International Commission of Agricultural and Biosystems Engineering (CIGR) and the Agricultural Engineering Branch (AGSE) of the Food and Agriculture Organisation of the United Nations (FAO). The network consists of six e-mail discussion groups corresponding to the six sections of CIGR.

The e-mail discussion groups of CIGR-FAO-LanWat-L, covers the technical area of the CIGR Section I, “Land and Water Engineering”, which is in particular Agricultural Engineering as applied to soil and water management such as: soil protection, improvement and conservation, drainage and irrigation systems; to land improvement and land reclamation, to rural planning and management and to rural roads and infrastructure. Contributions about new activities, workshops, information exchange, Question–and-Answer-Services, etc. are welcome.

If you want to subscribe to the list, send a message to mailserv@mailserv.fao.org leaving the subject blank and entering the one-line message:
SUBSCRIBE CIGR-FAO-LanWat-L.

2.10 Agricultural Engineering International: CIGR E-journal

Publication of research results and exchange of information is central to any discipline. Agricultural engineers have the opportunity to publish in several journals dedicated to the profession and also in numerous peripheral journals, serving other disciplines. As CIGR expands its horizons to more and more countries around the world, it serves the international membership by providing a low cost, widely available journal. The journal has applied for inclusion in the ISI / SCI database and its application is being reviewed.

Recent advances in electronic publishing provide a suitable mechanism for widespread dissemination of information. Thousands of journals are now being published electronically and are available on the World Wide Web (www). The technology to publish on the www is moving ahead rapidly. CIGR now has a peer reviewed technical journal operating on the www. There is no cost to the user to read or publish manuscripts in the E-journal.

The official title of the CIGR electronic Journal is “Agricultural Engineering International”, sub title: “The CIGR E-journal”. Its ISSN number is 1682-1130, and was included in the Cornell University digital data base (all holdings go into Google). Although the Journal is growing fast, the ISI application is not finished yet.

In 2010, the editorial office moved from USA to China. The Editor-in-chief is Prof. Zhang Lanfang, CSAE/CAAE and CSAM/CAAMS. Room C203, No.31, New Office Building of CAAMS, Chinese Academy of Agricultural Mechanization Sciences(CAAMS), No.1, Beishatan, Deshengmenwai, Chaoyang District, Beijing 100083, China

The Section I Board representatives are Dr. Jose Manuel Monteiro Gonçalves, who is an Associate Editor of CIGR E- journal on behalf of the Section I, and Dr. Antonio Brasa Ramos. In order to meet the difficulties in finding reviewers, both representatives get support by other
board members. Louis Pereira is supporting Jose Manuel Monteiro Gonçalves, and José Tarjuelo is supporting Antonio Brasa.

2.11 Board meetings

- 1994: August 29, XII CIGR World Congress, Milan, Italy.
- 1997: June 2, Albacete, Spain.
- 1998: February 1, XIII CIGR World Congress, Rabat, Morocco.
- 2000: November 28, XIV World congress, Tsukuba, Japan.
- 2001: July 3, Florence, Italy.
- 2002: July 29, XV World Congress, Chicago, USA.
- 2003: September 2, Albacete, Spain, 6th ENVIROWATER Conference.
- 2004: October 10, Beijing, China, 7th ENVIROWATER Conference.
- 2005: July 1, Arlington, Texas, USA, 8th ENVIROWATER Conference.
  (2) September 3, Bonn, Germany, CIGR World Congress.
- 2007: October 18, New Delhi, India, 10th ENVIROWATER Conference.
- 2008: August 31, Iguassu Falls City, Paraná State, Brazil, CIGR World Congress
- 2009: November 8, Marrakech, Morocco, 10th ENVIROWATER Conference
- 2010: June 13, Quebec, Canada, XVII CIGR World Congress
- 2011: Cancelled
- 2012: July 8, Valencia, Spain, XVIII CIGR World Congress
- Forthcoming: 2013: September 9, Bari, Italy, 1st Land and Water Challenges

2.12 Board Members (2011-2014)

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