



Zaragoza, Spain, 4-7 MAY, 2010

OECD WORKSHOP:

IMPROVING THE INFORMATION BASE TO BETTER GUIDE WATER RESOURCE MANAGEMENT DECISION MAKING

Zaragoza, Spain, 4-7 MAY, 2010

Hosted by the Government of Aragon's International Center for Water and Environment

(CIAMA-La Alfranca), Finca de la Alfranca, 50195 Pastriz, ZARAGOZA

AGENDA

Final: 7 May 2010

Contact: Kevin Parris Kevin.Parris@oecd.org

Please visit the Workshop website at: www.oecd.org/water/workshop2010

For further background information on OECD work related to water please visit the website at: www.oecd.org/water





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BACKGROUND NOTES TO THE AGENDA

The OECD (2009) report *Managing Water for All: An OECD perspective on pricing and financing*, (see the Workshop website www.oecd.org/water/workshop2010), recognises that the knowledge, science and monitoring of hydrology, environmental and water resource management linkages is less well developed than have been the advances in water policies. The continuation of this disconnect runs the risk that decision makers and other water system stakeholders are poorly informed and that policies are inadequately implemented and evaluated.

These gaps in knowledge, science and monitoring are compounded as water resource management enter an era of uncertainty, greater variability and higher risks as a result of climate change, population pressures, increasing demand to meet environmental needs and other drivers.

It is against this background, and within the broader context of the OECD's Horizontal Water Programme (see the documentation on the Workshop website and at www.oecd.org/water) that OECD in cooperation with the Spanish hosts – the Government of Aragon's International Center for Water and Environment (CIAMA) – is organising a Workshop on *Improving the Information Base to Better Inform Water Resource Management Decision Making*.

The proposed objectives of the Workshop are to:

- identify decision makers' and other water system stakeholders priorities for developing and using policy relevant water resource management data and information;
- ➤ review the extent to which the current work in OECD and non-OECD countries in developing water resource management data and other related information meets the needs of decision makers and other water system stakeholders;
- ➤ discuss possible areas of improvement in water resource management datasets and information, that can serve the future needs of decision makers and other water system stakeholders; and,
- > outline key ways forward for countries and the OECD Secretariat that will be needed in order to make progress in future water resource management data collection and dissemination.

So as to ensure the focus and manageability of the Workshop the emphasis is on water resource management, rather than data needs related to water services (e.g. water quality, water treatment and sanitation). However, a number of overarching themes will run throughout the presentations and discussion in the Workshop including consideration of the:

- 1. linkages between water resource and water quality and consequent information needs;
- 2. spatial aspects of water resource information from waterbasin through to the international level;
- 3. institutional and governance aspects of information management; and the,
- 4. impact of climate change on future information needs and priorities.





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DRAFT AGENDA

(names underlined are those providing a presentation for multiple authored papers)

Day	Time	Session
Tuesday 4 th May	08.15	Participants to meet at Don Yo Hotel for transport to Workshop venue
	09.00 – 10.00	SESSION 1: WELCOME AND OPENING ADDRESSES Session held in public in the Convent of the International Center for Water and Environment (CIAMA)
		 Opening address on behalf of the Workshop participants Asit BISWAS, Third World Centre for Water Management, Mexico Opening address on behalf of the OECD Secretariat Kevin PARRIS, Senior Agricultural Policy Analyst, Agricultural Policies and Environment Division, Organisation for Economic Cooperation and Development (OECD), Paris, France Welcome address Alfredo BONÉ, Minister for the Environment, Government of Aragon, Spain
	10.00-10.30	BREAK





Tuesday 4 th May	10.30 - 13.05	SESSION 2 – OVERVIEW AND INTERNATIONAL PERSPECTIVES AND INITIATIVES TOWARDS IMPROVING WATER INFORMATION SYSTEMS Top floor of the Marqueses de Ayerbe's Palace, International Centre for Water and Environment (CIAMA)
	10.30 – 11.15	Chair Session 2 Peter Koefoed BJORNSEN, Director of the UNEP-DHI (United Nations Environment Programme - Danish Hydraulic Institute) Collaborating Centre on Water
		 Dainsi Hydraulic Institute, Collaborating Centre on Water and Environment, Denmark OECD Secretariat Overview of the Workshop Kevin PARRIS, Senior Agricultural Policy Analyst, Agricultural Policies and Environment Division, OECD, Paris, France (15 minutes) Charting Our Water Future Economic frameworks to inform decision-making Sudeep MAITRA, McKinsey & Company, Inc, London, United Kingdom (10 minutes) The informational needs of operators of public water and wastewater systems Jack MOSS, AquaFed and Chair Business and Industry Advisory Committee to the OECD (BIAC) Water Group, Paris, France (10 minutes) Considerations for developing integrated water information systems Michael VARDON, Australian Bureau of Statistics, Centre of Environment and Energy Statistics, Canberra, Australia (10 minutes)
	11.15 - 11.55	 Discussion Opener: Rob VERTESSEY, Deputy Director (Water), Bureau of Meteorology, Australia (10 minutes) General discussion (30 minutes)





Tuesday 4 th May	11.55 - 13.05	SESSION 2 CONTINUED
	11.55 - 12.25	 The challenges of informing global policy makers about water resources - Mike MULLER, Visiting Professor, Graduate School of Public and Development Management, Wits University, South Africa (10 minutes)
		 SEEA (System of Environmental and Economic accounts) -Water and IRWS (International Recommendations for Water Statistics) statistical standards for water information Alessandra ALFIERI, Chief, Environmental-Economic Accounts Section, United Nations Statistics Division, New York, United States (10 minutes)
		 Official European Water Statistics: State of play and future challenges Jürgen FÖRSTER, Eurostat (EU Statistical Office), Luxembourg (10 minutes)
	12.25 - 13.05	 Discussion Opener: Paul HAENER, International Office for Water (OIEAU), France (10 minutes) General discussion (30 minutes)
	13.05 - 14.30	LUNCH hosted by the International Centre for Water and Environment
	14.30-16.20	SESSION 3: EUROPEAN WATER INFORMATION SYSTEMS: MEETING THE INFORMATION NEEDS TO IMPLEMENT THE EUROPEAN UNION WATER FRAMEWORK DIRECTIVE
	14.30 – 15.30	Chair Session 3 Rafael IZQUIERDO The Aragon Water Institute, Zaragoza, Spain
		➤ A Blueprint to Safeguard European Waters – The future of EU water policy – and the information needed Henriette FAERGEMANN, DG Environment, European Commission, Brussels, Belgium (10 minutes)





Tuesday 4 th May	Time 14.30 - 16.20	SESSION 3 CONTINUED
		 Water resource management in Europe – accounting for what matters – use of information at River Basin scale for a European State of the water environment Beate WERNER, Head of Water Group, European Environment Agency, Copenhagen, Denmark (10 minutes) The Spanish integrated water information system Ángel BARBERO MARTIN, Adviser to Cabinet of the Secretary of State for Water and Rural Affairs, Ministry of Environment and Rural and Marine Affairs (MARM), Spain (10 minutes) Water Information System Austria (WISA) Stephan NEMETZ, Harald MARENT and Michael NAGY, Austrian Environment Agency, Vienna, Austria Developing harmonised national water information systems in the Mediterranean Eric MINO (paper presented by Paul HAENER, International Office for Water (OIEAU), France), Manager of the EMWIS Technical Unit, Euro-Mediterranean Information System on Know-How in the Water Sector (SEMIDE/EMWIS), France (10 minutes)
		 the mentality of river basins: What do we need to monitor and to describe for managing river basins in Southern Europe? Jochen FROEBRICH, Erik QUERNER and Joop HARMSEN Alterra, Wageningen UR, Netherlands (10 minutes)
	15.30 – 16.20	 Discussion Opener: Alberto GARRIDO, Professor, Department of Agricultural and Resource Economics, Universidad Politécnica de Madrid, Spain (10 minutes) General discussion (40 minutes)
	16.20 - 16.50	BREAK





Tuesday 4 th May	Time 16.50 – 18.30	SESSION 4: RECENT ACHIEVEMENTS AND FUTURE PLANS FOR NATIONAL WATER INFORMATION SYSTEMS IN OECD COUNTRIES
	16.50 – 17.40	Chair Session 4
		Alessandra ALFIERI, Chief, Environmental-Economic Accounts Section, United Nations Statistics Division, New York, United States
		 Insight from Australia's water information Rob VERTESSY, Deputy Director (Water), Bureau of Meteorology, Australia (10 minutes) New Zealand's policy responses to a growing demand for freshwater and the need to underpin policy development and decision making with collaborative and dependable environmental monitoring Chris ARBUCKLE and Grant KING, Senior Policy Analysts Natural Resources Group Ministry of Agriculture and Forestry, Te Manatu Ahuwhenua, Ngaherehere, and Tanya GRAY, Senior Analyst - Statistics and Geospatial, Ministry for the Environment "Manatü Mö Te Taiao, New Zealand (10 minutes) Water and Climate Research Supporting Water Management Decision Making Warwick McDONALD¹, Albert van DIJK¹, Luigi RENZULLO¹, QJ WANG², Tom PAGANO², Edward KING³;¹CSIRO Land and Water, Canberra, Australia; ²CSIRO Land and Water, Highett VIC 3190 Australia; ³CSIRO Marine and Atmospheric Research, Canberra, Australia (10 minutes) Changing roles in Canadian water management and decision making Darrell R. CORKAL, Agriculture and Agri-Food Canada - Agri-Environment Services Branch, Saskatoon, Harry DIAZ, Canadian Plains Research Center, University of Regina (10 minutes)





Tuesday 4 th May	Time 17.40 – 18.30	SESSION 4 CONTINUED
		 Research Emphasis and Impacts on Water Availability and Quality in the United States Michael C. SHANNON, USDA ARS National Program Leader, Water Resources, Natural Resources & Sustainable Agricultural Systems, US Department of Agriculture, Beltsville, Maryland, United States (10 minutes)
		 Discussion Opener: Mike MULLER, Visiting Professor, Graduate School of Public and Development Management, Wits University, South Africa South Africa (10 minutes) General discussion (40 minutes)
	18.30 19.00	Transport returns to Hotel Don Yo Participants to make their own dinner arrangements





Wednesday 5 th May	08.30	Participants to meet at Don Yo Hotel for transport to Workshop venue
	09.00 – 10.35	SESSION 5: RECENT ACHIEVEMENTS AND FUTURE PLANS FOR NATIONAL WATER INFORMATION SYSTEMS IN OECD AND ACCESSION COUNTRIES
	09.00 – 09.55	Chair Session 5
		Mike SHANNON, National Program Leader, Water Resources, Natural Resources & Sustainable Agricultural Systems, US Department of Agriculture, Maryland, United States
		➤ OECD Water Information: Facts and Figures for Policy Use Myriam LINSTER, Principal Administrator, Environmental Information and Indicators, Environmental Performance and Information Division, Environment Directorate, OECD, Paris, France (15 minutes)
		 Water information portal site for more efficient and sustainable water resources management Tomoyuki OKADA, Deputy Director, River Planning Division, River Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japan (10 minutes)
		 Rural and agricultural water resource information system Jin-Hoon JO, Team Leader of Water Resource Research, Rural Research Institute, Korea Rural Community Corporation (10 minutes)
		 Mexico's National Water Information System Ricardo MARTINEZ LAGUNES, National Water Commission (CONAGUA), Mexico (10 minutes)
		 Increasing the relevance of water statistics in Israel: Water indicators and the water account Amit YAGUR-KROLL, Environmental Statistics Division, Central Bureau of Statistics, Israel (10 minutes)
	09.55 - 10.35	 Discussion Opener: Jürgen FÖRSTER, Eurostat (EU Statistical Office), Luxembourg (10 minutes)
		> General discussion (30 minutes)
	10.35 – 11.00	BREAK





Wednesday 5 th May	11.00 – 12.35	SESSION6: DEVELOPING THE ECONOMIC AND FINANCIAL DATA SETS NEEDED FOR WATER RESOURCE MANAGEMENT
	11.00 – 11.55	Chair Session 6 Allan HALL Global Water Partnership, Stockholm, Sweden
		 OECD Overview on Economic and Financial Data Needs Roberto MARTIN-HURTADO, Economist, Environment Directorate, OECD, Paris, France (15 minutes) The role of information in assessing implementation of Australia's national water reform agenda Will FARGHER, Acting General Manager, Water Markets and Efficiency Group, National Water Commission, Canberra, Australia (10 minutes) Drivers of Economic Information in River Basin Management Planning Josefina MAESTU, Programme Director, Division of Sustainable Development, UN Department of Economic and Social Affairs, Zaragoza, Spain (10 minutes) The Information and Knowledge Component of Water Policies: The Case of Spain Jose ALBIAC, Researcher at the Department of Agricultural Economics (CITA), Government of Aragon, Spain (10 minutes)
	11.55 – 12.35	 Discussion Opener: Cecilia TORTAJADA, Third World Centre for Water Management, Mexico (10 minutes) General discussion (30 minutes)
	12.35 – 14.00	LUNCH hosted by the International Centre for Water and Environment





Wednesday 5 th May	14.00 – 15.20	SESSION 7: THE VIRTUAL WATER AND WATER FOOTPRINT INDICATORS AS TOOLS FOR WATER RESOURCE MANAGEMENT DECISION MAKERS
	14.00 – 14.40	Chair Session 7 Ricardo MARTINEZ LAGUNES, National Water Commission, (CONAGUA), Mexico
		 Water footprint as a tool for integrated water resources management Maite M. ALDAYA and A.Y. HOEKSTRA, University of Twente, Netherlands and Water Footprint Network (10 minutes) Water footprint metrics for better decision making by private and public sectors Stuart ORR and Sergey MOROZ, WWF (10 minutes) The Water Footprint and Virtual Water Trade in Spain Alberto GARRIDO¹, M. Ramón LLAMAS². Consuelo VARELA-ORTEGA¹, Paula NOVO¹, Roberto RODRIGUEZ-CASADO¹, Maite M. ALDAYA³, 1. Professor, Department of Agricultural and Resource Economics, Universidad Politécnica de Madrid, Spain; 2. Department of Geodynamics, Complutense University, Madrid, Spain; 3. University of Twente, Netherlands (10 minutes) Do the Virtual Water and Water Footprint perspectives truly enhance policy discussion
	14.40 - 15.20	 Discussion Opener: Rudy VANNEVEL, Water Reporting Department, Flemish Environment Agency, Belgium (10 minutes) General discussion (30 minutes)
	15.20 - 15.45	BREAK





Wednesday 5 th May	15.45 – 17.10	SESSION 8: MEETING THE INFORMATION NEEDS FOR AGRICULTURAL WATER RESOURCE MANAGEMENT
	15.45 – 16.35	Chair Session 8
		Karen FRENKEN, Senior Water Resources Management Officer, AQUASTAT Programme Coordinator, Land and Water Division, FAO, Rome, Italy
		 Monitoring irrigation season – A support tool for water management and short-term actions Antonella PONTRANDOLFI, Researcher, National Institute of Agricultural Economics (INEA), Italy (10 minutes)
		 Sigrian as a decision support system for the economic evaluation of irrigation investments Carlo CAFIERO¹, Antonio MASSARUTTO², Raffaella ZUCARO³, 1. University of Naples Federico II; 2. University of Udine; 3. National Institute of Agricultural Economics (INEA) (10 minutes)
		 Horizontal Aspects of Agricultural Water Use in Water-rich Monsoon Areas: Managing Information of Sectoral Demand in the Japanese Case <u>Hiroaki KOBAYASHI¹</u> and Kazumi YAMAOKA²,¹Wako University,² Japan International Research Center for Agricultural Sciences (10 minutes)
		 Long term monitoring of agricultural dominated catchment - Experiences from the Norwegian Agricultural Monitoring programme (JOVA) Johannes DEELSTRA and Line MEINERT, Rød. Bioforsk, Norway (10 minutes)
		 AQUASTAT, FAO's global information system on water and agriculture: Products and Challenges Karen FRENKEN, Senior Water Resources Management Officer, AQUASTAT Programme Coordinator, Land and Water Division, FAO, Rome, Italy (10 minutes)
	16.35 - 17.15	 Discussion Opener: Darrell CORKALL, Agriculture and Agri-Food Canada - Agri-Environment Services Branch, Saskatoon, Harry DIAZ, Canadian Plains Research Center, University of Regina Canada (10 minutes)
		➤ General discussion (30 minutes)





Wednesday 5 th May	17.15 – 18.40	SESSION 9: MEETING INFORMATION NEEDS OF WATER RESOURCE DECISION MAKERS THROUGH IMPROVING INSTITUTIONAL COHERENCE AND MANAGEMENT
	17.15 - 18.00	Chair Session 9 Jack MOSS, AquaFed and Chair Business and Industry Advisory Committee to the OECD (BIAC) Water Group, Paris, France Water institutions and information challenges: a preliminary OECD overview Aziza AKHMOUCH, Policy Analyst, Multilevel Governance Unit, Regional Development Policy Division, Public Governance and Territorial Development Directorate, OECD, Paris, France (15 minutes)
		 Capacity building in data administration to support national and transboundary water resources management: Some study cases and tools Paul HAENER, International Office for Water (IOWater/OIEau), France (10 minutes) Consequences of an increasing environmental complexity on data and information flows Rudy VANNEVEL, Water Reporting Department, Flemish Environment Agency, Belgium (10 minutes) Hydrometeorological data collection and sharing: The global challenge Vladimir SMAKHTIN and Dennis WICHELNS, International Water Management Institute, Columbo, Sri Lanka(10 minutes)
	18.00 – 18.40	 Discussion Opener: René LALEMENT, Director of Water Monitoring and Assessment, National Water Office (ONEMA), Vincennes, France (10 minutes) General discussion (30 minutes)
	18.40 19.10	Transport returns to Hotel Don Yo Participants to make their own dinner arrangements





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Thursday 6 th May	08.00 – 19.45	FIELD TRIP hosted by the Government of Aragon Information and logistical details on the Field Trip are provided on the Workshop website. Further details will be provided during the Workshop.
	08.00 19.45	Transport departs from Hotel Don Yo Arrival at Hotel Don Yo. Participants to make their own dinner arrangements

Friday 7 th May	08.30	Participants to meet at Don Yo Hotel for transport to Workshop venue
	09.00 – 13.30	SESSION 10: CONCLUDING DISCUSSION, RECOMMENDATIONS AND CLOSING ADDRESSES

The main objective of this final session is to examine the conclusions from Sessions 2-9, as a basis to prepare a document of the main recommendations from the Workshop which could be used in setting priorities for future water data and information development across countries, international organisations, the private sector and the OECD Secretariat. These recommendations would be presented for information and discussion by the relevant OECD Working Parties responsible for this Workshop.

A key question for this session will be what are the costs versus the benefits of further refining and expanding information collection to serve the needs of water resource decision makers and other water system stakeholders?

09.00 – 11.10	Chair Session 10:
	James HORNE, Deputy Secretary, Department of the Environment, Water, Heritage and Arts, Canberra, Australia
	REPORTS FROM RAPPORTEURS
	 Sessions 2 and 3 (International &EU Water Information Systems): Dennis WICHELNS, Principal Economist, International Water Management Institute, Columbo, Sri Lanka (15 minutes) General Discussion (15 minutes)





Friday 7 th May	09.00 - 11.10	SESSION 10: CONTINUED REPORTS FROM RAPPORTEURS
		 Sessions 4 and 5 (National Water Information Systems): Beate WERNER, Head of Water Group, European Environment Agency, Copenhagen, Denmark (15 minutes) General Discussion (15 minutes) Session 6 (Economics) and 7 (Virtual Water): Will FARGHER, Acting General Manager, Water Markets and Efficiency Group, National Water Commission, Canberra, Australia (15 minutes) General Discussion (15 minutes) Session 8 (Agriculture) and 9 (Institutions): Chris ARBUCKLE, Senior Policy Analysts, Natural Resources Group, Ministry of Agriculture and Forestry, New Zealand
		 (15 minutes) General Discussion (15 minutes) Chair's summing up (10 minutes)
	11.10 – 11.40	BREAK
	11.40 – 12.50	 RECOMMENDATIONS Recommendations for Consideration by OECD Working Parties Kevin PARRIS, Agricultural Policies and Environment Division, OECD, Paris, France (30 minutes) General Discussion (40 minutes)
	12-50-13.00	BREAK





Friday 7th May	13.00 - 13.30	SESSION 10: CONTINUED
	13.00-13.30	CLOSING ADDRESSES Session held in public in the Convent of the International Center for Water and Environment (CIAMA) > Chair Closing Address James HORNE, Deputy Secretary, Department of the Environment, Water, Heritage and Arts, Canberra, Australia > OECD Secretariat Closing Address Kevin PARRIS, Agricultural Policies and Environment Division, OECD, Paris, France > Host Closing Address Rafael IZQUIERDO, The Aragon Water Institute, Zaragoza, Spain
	13.40 14.10	Transport returns to Hotel Don Yo Arrival at Hotel Don Yo