

**Session Outline Opening Session Theme 2.2.
Contribute to Food Security by Optimal Use of Water**

Part 1:

Reference number	2.2		
Target(s)/PFA/CS/Region	Theme 2.2. Contribute to Food Security by Optimal Use of Water		
Session title	Contribute to Food Security by Optimal Use of Water, an Introduction		
Session teaser/description	<p>The World population is expected to grow from 7.0 billion to 9 billion by 2050, especially in urban areas of emerging and least developed countries. The standard of living in the emerging countries is rapidly rising, resulting in a change in diet. An increase in cereal production of 70 - 100% in the next 25 - 30 years will be required. 80 - 90% will have to come from existing cultivated land.</p> <p>At 1,100 million ha of the cultivated area there is no water management system. 300 million ha has an irrigation system and 130 million ha has a drainage system. 55% of food production comes from irrigated or drained areas and 45% from the other areas.</p> <p>Global food production meets the demand. Achieving the required increase is possible provided that improvements are made from producer to consumer.</p> <p>This Theme has reviewed and focused on solutions. Nine Targets have been formulated and analysed that cover the important aspects. These Targets will be presented in nine sessions, together with this opening session, a multi-stakeholder panel and an Synthesis session.</p>		
Duration	2-hours		
Contact details of the Coordinator(s) convening the session	<ul style="list-style-type: none"> Food and Agriculture Organisation of the United Nations (FAO). Viale delle Terme di Caracalla, 00153 Rome, Italy. Telephone: (+39) 06 57051, Fax: (+39) 06 570 53152, Email: FAO-HQ@fao.org Pasquale.steduto@fao.org; domitille.vallee@fao.org International Commission on Irrigation and Drainage (ICID), 48 Nyaya Marg, Chanakyapuri, New Delhi 110021, INDIA. Tel: +91-11-26116837, 91-11-26115679, E-mail: icid@icid.org C.C.: Schultz1@kpnmail.nl; Jacques.plantey@canal-de-provence.com 		
Objectives and outputs	<p><i>General objectives of the session</i></p> <p>To present the scope, challenges, and constraints, the work done by the Core Group and the Target and Solutions Groups within the theme</p>	<p><i>Expected outputs</i></p> <p>Clear insight of the audience which issues are at stake, what has been achieved so far and what are the challenges of the future</p>	
Format/Logistics request	<p><u>Estimated number of seats needed</u></p> <p>400 600</p>	<p><u>Preferred room set-up</u></p> <p>On stage:</p> <ul style="list-style-type: none"> catheder with laptop for speakers 6 cosy chairs for speakers and panel members; 3 screens where the people in the cosy chairs can look at; desk + chair for reporter clear banner on WWF6 behind the catheder <p>Standard cinema seating</p>	<p><u>All rooms will be equipped with:</u></p> <ul style="list-style-type: none"> a computer a video projector a screen 2 microphones simultaneous translation in French and English
Extra requirements for innovative sessions	<p>distribute to all participants a feedback form to fill (the feedback form will be provided by the session organiser end of February)</p> <p>Facilities for Chinese – English simultaneous translation</p>		

Part 2:

Session title	Theme 2.2. Opening Contribute to Food Security by Optimal Use of Water, an Introduction
<u>Time</u>	<u>Descriptions of items/presentations</u> Date: Wednesday March 14, 11.00 – 13.00 hour Hall: Palais des congrès (PdC), N+1 Room: PC 8, Callelongue Chairman: Alexander Müller (FAO) Rapporteur: S.A. Kulkarni (ICID) Facilitator: Domitille Vallee (FAO)
10'	Welcome and introduction to the challenges by the chairman of the session Alexander Müller, Assistant Director General for Natural Resources Management and Environment, FAO
8'	China's experience of ensuring food supply to a huge population in spite of the dwindling farmlands and competing use of water H.E. Chen Lei Minister of Water Resources of China
8'	Government Perspective of Water Resources for Food production in India High level representative Ministry of Water Resources of India
8'	Government Perspective of France Guillaume Benoit. High Council for Food, Agriculture and Rural Areas, Ministry of Agriculture
15'	Presentation of the challenges addressed within Theme 2.2. the process, the Targets, Solutions and Recommendations Prof. Gao Zhanyi (China) President of the International Commission on Irrigation and Drainage (ICID)
3'	Farmers perspective D.M. More, President of the Irrigation Collaboration (<i>Sinchan Sahyog</i>) of Maharashtra, India
3'	Food-Industry perspective Mr. Jose Lopez, Vice president, Nestlé
20'	Panel – Decision makers and managers using water for food for today needs Using water for food for tomorrow needs: diverse perspectives <ul style="list-style-type: none"> • Pasquale Steduto, FAO • Gao Zhanyi, ICID • Alain Villocel, Director of the Irrigation Agency of Cascoigne, France • D.M. More, Maharashtra, India • Mr. Jose Lopez, Vice president, Nestlé
3'	Perspectives of the new generation Ms. Saba Loftus, Communication director, International Youth Council
3'	Perspectives from civil society and smallholders Ms Arze Glipo, Integrated Rural Development Foundation Philippines (IRDF)
3'	Statement on Perspectives from innovation prospects Mr. Anil B. Jain, Managing Director, Jain Irrigation Systems Limited
3'	Statement on Perspectives of financial aspects Kevin Parris, Organisation of Economic Cooperation and Development (OECD)
3'	Statement of the Joint Multilateral Development Banks Action Plan for Improving Coordination on Food and Water Scarcity Ms Naomi Chakwin, Asian Development Bank (ADB), Resident Director General, European Representative Office
3'	Statement on Benefits of Development Partner Collaboration Rodney Cooke, Director, Technical Advisory Division International Fund for Agricultural Development (IFAD)
20'	Facilitated exchange between the speakers and the audience <ul style="list-style-type: none"> • Ms Saba Loftus, International Youth Council • Ms Arze Glipo, IRDF • Mr. Anil B. Jain Irrigation Systems Limited • Kevin Parris, OECD • Ms Naomi Chakwin, ADB • Rodney Cooke, IFAD
5'	Conclusions Alexander Müller, FAO
Targeted audience in view of commitments	Those interested in the various aspects of water management for global and sustainable food production
Other Information	Not at the moment

**Session Outline Multi-stakeholder Panel Theme 2.2.
Contribute to Food Security by Optimal Use of Water**

Part 1:

Reference number	2.2		
Target(s)/PFA/CS/Region	Theme 2.2. Contribute to Food Security by Optimal Use of Water		
Session title	Multi-stakeholder Panel on Contribute to Food Security by Optimal Use of Water		
Session teaser/description	Facts show that Food security is enhanced with improved access to water. With growing competition over local water resources and increasing uncertainties with variable climates and fluctuating prices, the agricultural sector needs to be more careful and innovative when he uses water. The Multi-stakeholder dialogue aim to bring out various perspectives on the do's and don't for enhancing food security by optimal use of water. It will set the scene for deep dive nine targets that will follow.		
Duration	2 hours		
Contact details of the Coordinator(s) convening the session	<ul style="list-style-type: none"> Food and Agriculture Organisation of the United Nations (FAO). Viale delle Terme di Caracalla, 00153 Rome, Italy. Telephone: (+39) 06 57051, Fax: (+39) 06 570 53152, Email: FAO-HQ@fao.org Pasquale.steduto@fao.org; domitille.vallee@fao.org International Commission on Irrigation and Drainage (ICID), 48 Nyaya Marg, Chanakyapuri, New Delhi 110021, INDIA. Tel: +91-11-26116837, 91-11-26115679, E-mail: icid@icid.org C.C.: Schultz1@kpnmail.nl; Jacques.plantey@canal-de-provence.com 		
Objectives and outputs	<i>General objectives of the session:</i> To present the scope, challenges, and constraints, the work done by the Core Group and the Target and Solutions Groups within the theme as seen by the key actors in agricultural water management	<i>Expected outputs</i> The scope, challenges, and constraints as perceived by the key actors	
Format/Logistics request	<u>Estimated number of seats needed</u> 400 – 600	<u>Preferred room set-up</u> On stage: <ul style="list-style-type: none"> catheder with laptop for speakers 6 cosy chairs for speakers and panel members; Second row 8 normal chairs; 3 screens where the people in the cosy chairs can look at; desk + chair for reporter clear banner on WWF6 behind the catheder Standard cinema seating	<u>All rooms will be equipped with:</u> <ul style="list-style-type: none"> a computer a video projector a screen 2 microphones simultaneous translation in French and English
Extra requirements for innovative sessions	Facilities for Spanish – French simultaneous translation 1 flip chart		

Part 2:

Session title	Theme 2.2. Dialogue Multi-stakeholder Panel on Contribute to Food Security by Optimal Use of Water
<u>Time</u>	<p><u>Descriptions of items/presentations</u> <i>Date: Wednesday March 14, 17.00 – 19.00 hour</i> <i>Hall: Palais des congrès (PdC), N+1</i> <i>Room: PC 8, Callelongue</i> <i>Chair: Daniel Zimmer, Climate-KIC, Director Innovation</i> <i>Facilitator: Rudolph Cleveringa (IFAD)</i> <i>Rapporteur: Macarena Johns</i></p> <p><i>How to answer to future food needs – key role for water – different perspectives</i></p>
5'	<p><i>Statement</i> <i>Policy and implementation programme of the Government of China</i> Mr. Han Zhengzhong. China Irrigation and Drainage Development Centre</p>
5'	<p><i>Statement</i> <i>Policy and implementation programme of Mali</i> H.E. Agatham Ag Alassane, Minister of Agriculture of Mali</p>
15'	<p><i>First round of exchange with the audience around first set of statements</i></p> <ul style="list-style-type: none"> • Mr. Han Zhengzhong, China • H.E. Agatham Ag Alassane, Minister of Agriculture of Mali
3'	<p><i>Statement</i> Farmer representative from Ecuador Hugo Vinueza, Secretary Interjuntas, Chimborazo, Ecuador</p>
3'	<p><i>Statement</i> Farmer representative from Senegal Mr. Mamadou Cissoko, Senegal</p>
3'	<p><i>Statement on the opportunity offered by strengthening technical exchanges. Example of the Agricultural Water for Africa (AGWA) initiative</i> Jean Boroto, FAO, AGWA representative</p>
3'	<p><i>Statement</i> Representative of an Irrigation agency from Burkina Faso Oumar Seydina Traore, Director DADI, Burkina Faso</p>
3'	<p><i>Statement</i> Representative on Multiple use of water for food fish/crop/diet from Bangladesh Shakuntala Haraksingh Thilsted, World Fish centre, Bangladesh</p>
15'	<p><i>second round of exchange with the audience around the 2d set of statements</i></p> <ul style="list-style-type: none"> • Mr. Hugo Vinueza, Interjuntas • Mr. Mamadou Cissoko, Senegal • Mr. Jean Boroto, FAO • Mr. Oumar Seydina Traore, DADI • Mr. Shakuntala Haraksingh Thilsted, World Fish Centre
3'	<p><i>Statement</i> Representative of a Water Agency in the Netherlands Gerard Doornbos, Dike-reeve of the Principal Water Agency Rijnland, the Netherlands</p>
3'	<p><i>Statement</i> Representative of an Irrigation agency in Ethiopia Mr. Hune Nega, Ministry of Agriculture, Ethiopia</p>

3'	<i>Statement</i> Representative from a technological innovator - less energy and lower quality water use in agriculture from Morocco. Choukrallah Redouane
3'	<i>Statement</i> Representative on smallholder commodity organisations systems and irrigation market linkages Rodney Cooke, Director, Technical Advisory Division, International Fund for Agricultural Development (IFAD)
3'	<i>Statement by a development NGO</i> Urs Heierli, International Development Enterprises (IDE)
15'	<i>Third round of exchange with the audience around the 3rd set of statements</i> <ul style="list-style-type: none"> • Mr. Gerard Doornbos, Principal Water Agency Rijnland • Mr. Hune Nega, Ministry of Agriculture, Ethiopia • Mr. Choukrallah Redouane, Morocco • Mr. Rodney Cooke, IFAD • Mr. Urs Heierli, IDE
20'	<i>Discussion with the panel members and the audience (key questions will steer dialogue)</i> <ul style="list-style-type: none"> • Dr. Han Zhengzhong, China • H.E. Agatham Ag Alassane, Minister of Agriculture of Mali • Mr. Hugo Vinueza, Interjuntas • Mr. Jean Boroto, AgWa initiative (FAO) • Mr. Mamadou Cissoko, Senegal • Mr. Oumar Seydina Traore, DADI • Mr. Shakuntala Haraksingh Thilsted, World Fish centre • Mr. Gerard Doornbos, Principal Water Agency Rijnland • Mr. Hune Nega, Ministry of Agriculture, Ethiopia • Mr. Choukrallah Redouane, Morocco • Mr. Rodney Cooke, IFAD • Mr. Urs Heierli, IDE
10	Wrap up by Alexander Müller, Assistant Director General for Natural Resources Management and Environment, FAO and Mr. A. Tyagi, Secretary General International Commission on Irrigation and Drainage (ICID)
Targeted audience in view of commitments	Those interested in the various aspects of water management for global and sustainable food production
Other Information	Not at the moment

**Session Outline Synthesis Session Theme 2.2.
Contribute to Food Security by Optimal Use of Water**

Part 1:

Reference number	2.2		
Target(s)/PFA/CS/Region	Theme 2.2. Contribute to Food Security by Optimal Use of Water		
Session title	Synthesis Session on Contribute to Food Security by Optimal Use of Water		
Session teaser/description	<p>Global food production meets the demand. Achieving the required increase is possible provided that improvements are made from producer to consumer.</p> <p>This Theme has reviewed and focused on solutions. Nine Targets have been formulated and analysed that cover the important aspects. These Targets have been presented in nine sessions, together with the opening session and a multi-stakeholder panel. This Synthesis session will integrate the various relevant aspects and will formulate recommendations and commitments, primarily based on the presented action Plans.</p>		
Duration	2 hours		
Contact details of the Coordinator(s) convening the session	<ul style="list-style-type: none"> Food and Agriculture Organisation of the United Nations (FAO). Viale delle Terme di Caracalla, 00153 Rome, Italy. Telephone: (+39) 06 57051, Fax: (+39) 06 570 53152, Email: FAO-HQ@fao.org Pasquale.steduto@fao.org; domitille.vallee@fao.org International Commission on Irrigation and Drainage (ICID), 48 Nyaya Marg, Chanakyapuri, New Delhi 110021, INDIA. Tel: +91-11-26116837, 91-11-26115679, E-mail: icid@icid.org C.C.: Schultz1@kpnmail.nl; Jacques.plantey@canal-de-provence.com 		
Objectives and outputs	<p><i>General objectives of the session</i></p> <p>To present the outcome of the sessions within the Theme and recommendations and commitments for follow-up</p>	<p>The scope, challenges, and constraints as perceived by those involved in the preparations presentations and discussions.</p>	
Format/Logistics request	<p><u>Estimated number of seats needed</u></p> <p>400 – 600</p>	<p><u>Preferred room set-up</u></p> <p>On stage:</p> <ul style="list-style-type: none"> catheder with laptop for speakers 12 chairs for speakers and panel members; 3 screens where the people in the chairs can look at; desk + chair for reporter clear banner on WWF6 behind the catheder <p>Standard cinema seating</p>	<p><u>All rooms will be equipped with:</u></p> <ul style="list-style-type: none"> a computer a video projector a screen 2 microphones simultaneous translation in French and English
Extra requirements for innovative sessions	<p>Coloured cards (red, green and yellow) need to be distributed to the public. They will be used for a card waving session where the public will be engaged in the discussion.</p> <p>1 flip chart</p>		

Part 2:

Session title	Theme 2.2. Synthesis Session on Contribute to Food Security by Optimal Use of Water
<u>Time</u>	<u>Descriptions of items/presentations</u> <i>Date:</i> Friday March 16 11.00 – 13.00 hour <i>Hall:</i> Palais des congrès (PdC), N+1 <i>Room:</i> PC 10, Goude 2 <i>Chairman:</i> Prof. Gao Zhanyi (ICID) <i>Rapporteur:</i> Domitille Vallee (FAO) <i>Facilitator:</i> Bart Schultz (ICID, UNESCO-IHE)
10'	<i>Welcome and introduction by the chairman of the Synthesis session</i> Prof. Gao Zhanyi, President ICID
10'	<i>Summarised overview of Target and Solution results and recommendations for the future, including commitments</i> Alexander Müller (FAO)
13 * 3'	<i>Panel - Solutions and actions plans for the water and food security</i> <i>Brief reports of the sessions focused on water and food security by rapporteurs in consultation with the Core Group and Target Group Coordinators (each report will be limited to the key results summarized in 1 slide and will be followed by a brief interaction with the public using cards)</i> <ul style="list-style-type: none"> • Opening Session: Mr. S.A. Kulkarni, ICID • Target I: Mr. Suhas Wani, ICRISAT • Target II: Mr. Roberto Lenton, Founding Director Water for Food Institute • Target III: Mr. Jacques Plantey, ICID • Target IV: Ms. Carla Mellor, ICBA • Target V: Mr. Chandra Madramootoo, ICID, McGill University • Target VI: Mr. Safwat Abdel Dayem, AWC • Target VII: Mr. Denis Baudequin • Target VIII: Mr. Jan Lundqvist, SIWI • Target IX: Mr. Yves Richard, CCFD • Multi-stakeholder Panel: Ms. Macarena Johns • Feedback from Asia, the Americas, the Mediterranean on water and food security targets
30'	<i>Comments and recommendations from the floor</i> <i>Facilitator:</i> Bart Schultz, supported by Domitille Vallee
5'	Wrap up by Gao Zhanyi
10'	<i>Concluding remarks and closing</i> Alexander Müller, FAO and Rudolph Cleveringa (IFAD)
Targeted audience in view of commitments	Those interested in the various aspects of water management for global and sustainable food production
Other Information	Not at the moment

Target I. Session Outline

Part I :

Reference number	2.2.1		
Target(s)/PFA/CS/Region	By 2020, rainfed land productivity (yield per unit area) will sustainably increase by 25% in Africa, and by 15% in Asia - as compared to 2005 - 2007 baseline. Water productivity (yield per unit of water) of rainfed agriculture will sustainably increase for grains by 20% in Africa and in Asia by 15% compared to 2005-2007 baseline		
Session title	A little rainfall can go a long way to feed many more: Act Now		
Session teaser/description	<p>The session aims to raise the awareness on the importance to act now to unlock the potential of rainfed agriculture -the largest food basket in the world and the largest rural employer. Sustainable intensification of rainfed farming systems is possible with improved rainwater management.</p> <p>The session will first draw an overview of the situation of rainfed farming around the world and how the long neglect in land and water management has lead to degradation of important ecosystem services. It will illustrate through case studies how rainwater can be used better and longer by farmers for improved food production and income generation.</p> <p>There are actions for different key stakeholders to boost these initiatives and get vibrant rural economies from mainly rainfed systems.</p>		
Duration	2-hours		
Contact details of the Coordinator(s) convening the session	Dr. Fawzi Karajeh F.Karajeh@cgiar.org Dr. SP Wani s.wani@cgiar.org		
Objectives and outputs	<u>General objectives of the session</u> - raise awareness on the urgency to take action on sustainable intensification of rainfed system with water and land management - propose integrated solutions to unlock the rainfed potential through enhanced rainwater productivity	<u>Expected outputs</u> <input checked="" type="checkbox"/> Finalise the Target Action Plan <input checked="" type="checkbox"/> Share promising solutions <input type="checkbox"/> on commitments Enrich the report and its conclusions <input type="checkbox"/> ublish proceedings	
Format/Logistics request	<u>Estimated number of seats needed</u> Less than 200	<u>Preferred room set-up</u> Roundtable seating	<u>All rooms will be equipped with:</u> <ul style="list-style-type: none"> • a computer • a video projector • a screen • 2 microphones • simultaneous translation in French and English
Extra requirements for innovative sessions	Possibility to show a video (sound system) Professional facilitation requested 5 flip chart is possible		

Part 2:

Session title	Target 2.2.1 A little rainfall can go a long way to feed many more: Act Now
<u>Time</u>	<u>Descriptions of items/presentations</u> Date: Thursday March 15, 14.30 – 16.30 hour Hall: Palais de l'Europe (PEU)- hall 8 Room: PEu 1 Chairperson: Holger Hoff Facilitator: Raj Rana Reporter: J.F. Cavana (AFD) and Michael Randel
5'	<i>Introduction to clarify the key terminology and the scope of the session</i> Suhas Wani (ICRISAT)
10'	<i>Participatory session to get feedbacks from the participants on their interests / concerns on this issue (get a sense of who is in the room and how much they know about rainfed issues, and what their main interest is)</i> Raj Rana
10'	<i>Set the scene – the situation today (rainfed systems in the world, yield gaps, trends)</i> Suhas Wani, ICRISAT
10'	<i>Set the scene –Looking ahead – what prospects for the rainfed systems –demand, threats, options</i> Dr Fawzi Karajeh, ICARDA-Cairo
10'	<i>Questions and discussion</i> Holger Hoff
10'	<i>Extract of 2 videos related to soil and water conservation interventions : 'Wegoubri', managing rainwater in Burkina and Kenya terracing (IIED)</i>
50'	Round Table discussions on Smart solutions to adapt rainfed systems to uncertain climates - 'gather solutions from around the world' <i>Solutions discussed will build on concrete examples.</i>
5'	I. <i>Enhancing water use efficiency for improving rural livelihoods:</i> • <i>Using water impact calculator – a public private partnership initiative in India</i> S.P. Wani and Carlo Galli
5'	• <i>Minimizing risks in arid zones with water harvesting and supplemental irrigation</i> Oumar Seydina Traoré, DADI, Burkina Faso
5'	II. <i>Managing land for sustainable intensification through improved soil health:</i> • <i>A mission approach for sustainable intensification and improving livelihoods in Karnataka</i> Subir Hari Singh
5'	• <i>Managing land at watershed level to increase soil fertility and moisture – example in Ethiopia, Mr. Hune Nega, (Ethiopia)</i>
30'	And also on other solutions that will be proposed by the audience.
15	<i>Key points from each tables and wrapping up recommendations points for action plan</i> Suhas Wani and J.F. Cavana
Targeted audience in view of commitments	Researchers, Policymakers, Large-scale farmers, smallholder farmers, government officials, engineers, NGOs, donor representatives, corporate sectors, interested parties.
Other Information	Video to be provided by Domitille Vallée

Target II. Session Outline

Part 1:

Reference number	Target 2.2.2		
Target(s)/PFA/CS/Region	By 2020, sustainably increase by 15% - as compared to 2005-07 baseline – water productivity per unit land and per year (yield per m ³ , per ha and per year) of irrigated agriculture (for specific crop categories).		
Session title	Sustainable food security through increased productivity of irrigated agriculture		
Session teaser/description	<p>Irrigated agriculture uses approximately 70% of the total water withdrawal worldwide. Many irrigation systems are performing below their potential for a range of reasons. In order to feed the growing world population, the productivity of irrigated agriculture will have to increase. Simply put, the world must have ‘more crop per drop’.</p> <p>Intervention measures may include better operation and maintenance of irrigation systems, better water management, upgrading of irrigation and drainage systems, enhanced financial practices, and improved practices related to tillage, seeds, fertilizer application and pest control.</p> <p>The goal will be to close the gap between the actual crop yield and the potential crop yield in a cost effective and sustainable manner through the presentation of a range of existing and proposed solutions.</p>		
Duration	Unless they are combined with other sessions, all sessions are 2-hour long		
Contact details of the Coordinator(s) convening the session	<p>Thomas Farrell – University of Nebraska: tfarrell@nebraska.edu Pasquale Steduto – FAO: Pasquale.Steduto@fao.org Dale Jacobson – University of Nebraska/EWRI: djacobson@mac.com Debra Leigh – University of Nebraska/EWRI: debraleigh@qwest.net</p>		
Objectives and outputs	<u>General objectives of the session</u> <ul style="list-style-type: none"> • review current irrigated agriculture practices • explain water productivity • explore the yield gap • discuss possible interventions • present solutions 	<u>Expected outputs</u> <ul style="list-style-type: none"> • Finalise the Target Action Plan • Share promising solutions • Work on commitments • Enrich the report and its conclusions 	
Format/Logistics request	<u>Estimated number of seats needed</u> Less than 200	<u>Preferred room set-up</u> Standard cinema seating	<u>All rooms will be equipped with:</u> <ul style="list-style-type: none"> • a computer • a video projector • a screen • 2 microphones • simultaneous translation in French and English
Extra requirements for innovative sessions	1 flip chart		

Part 2:

Session title	Target 2.2.2 Sustainable food security through increased productivity of irrigated agriculture	
<u>Time</u>	<u>Descriptions of items/presentations</u> <i>Date:</i> Thursday March 15, 17 – 19 hour <i>Hall:</i> Palais des congrès (PdC) RDJ <i>Room:</i> PC 4, Patio 2 <i>Chairperson:</i> Roberto Lenton, Founding Director of the Daugherty Water for Food Institute <i>Facilitator:</i> Thomas Farrell, Vice Provost, University of Nebraska <i>Reporter:</i> Robina Wahaj and Macarena Johns (Panel)	
	<i>Setting the scene</i>	
10'	<i>Introductions and setting the scene on the issue of increased productivity of irrigated agriculture for food security</i> Thomas Farrell	
20'	<i>A world perspective 1: status and prospects of water productivity in irrigation practices. followed by exchange with the audience</i> Pasquale Steduto, Deputy Director, Land and Water division, FAO	
20'	<i>A world perspective 2: Assessment of the productivity yield gap (Atlas) and implication for irrigated systems improvement (10') followed by exchange with the audience</i> Kenneth Cassman, Prof. Agronomy and agriculture, University of Nebraska	
5'	<i>Short Video on Morocco experience -from gravity to drip systems (Morocco Ministry of Agriculture/ FAO)</i>	
30'	<i>Panel - Facts from the field : Practitioners from around the world adding value to irrigation systems</i> (each speaker will have 5' to provide an overview of the solutions proposed) <ul style="list-style-type: none"> • <i>China (Multiple use services in irrigation systems-MASSMUS example</i> Gao Zhanyi • <i>Modernizing irrigation systems : some cases study</i> Robina Wahaj (FAO) • <i>Israeli experience with agricultural water management in scope of 'years of droughts - challenges and solutions'</i> Mr. Oded Fixler, Deputy Director General (on Engineering) of the Israel Water Authority • <i>France/China, optimizing water use for vegetables</i> Mr. Letierce, Farmer, Farm pot au vin • <i>Madagascar/Honduras: nutrition and income for small holders with small modular irrigation systems (IFAD project/Scampis)</i> Rudolf Cleveringa, IFAD • <i>Sub-Saharan Africa: how motor-pumps can change the face of irrigation</i> Gebregziabher Gebrehaweria (IWMI) 	
35'	<i>Discussion, questions and answers. Audience exchange Opportunity</i> Thomas Farrell	
Targeted audience in view of commitments	Large-scale farmers, smallholder farmers, government officials, academicians, engineers, regulatory officials, NGOs, donor representatives, interested parties	
Other Information	None	

Target III. Session Outline

Part 1:

Reference number	2.2.3		
Target(s)/PFA/CS/Region	Increase sustainable productivity and lower costs of water management (yield per ha, per m ³ of water and per unit production cost) in such a way that by year 2025 there is food security at affordable prices for all.		
Session title	Sustainable productivity and lower costs of water management for food security at affordable prices for all		
Session teaser/description	<p>Population growth - 7.0 billion now to 9 billion by 2050 - combined with rise of living standards require a strong increase of food production. Land reclamation can only contribute 10 - 20%. So, the main concern is to increase sustainable food production at already cultivated land. Irrigation and drainage are essential to ensure food availability. But water management has a price. Its sustainability relies on the fact that agriculture is able to pay for the 'sustainability cost'.</p> <p>The balance between production costs, farm gate and consumer prices is a key question to ensure both availability and food access for all at affordable prices. Full cost of food may be hard to be paid by all consumers. On the other hand farmers must get a fair income for their production. Too low prices prevent them to stay in agriculture, and they will move to other crops or the city.</p>		
Duration	2-hours		
Contact details of the Coordinator(s) convening the session	International Commission on Irrigation and Drainage (ICID), 48 Nyaya Marg, Chanakyapuri, New Delhi 110021, INDIA. Tel: +91-11-26116837, 91-11-26115679, E-mail: icid@icid.org C.C.: Schultz1@kpnmail.nl ; Jacques.plantey@canal-de-provence.com		
Objectives and outputs	<p><u>General objectives of the session:</u> to reach agreement on how to Increase sustainable productivity and lower costs of water management (yield per ha, per m³ of water and per unit production cost) in such a way that by year 2025 there is food security at affordable prices for all; to reach agreement on the milestones and on their implementation.</p>	<p><u>Expected outputs</u></p> <ul style="list-style-type: none"> • final version of the Target Action Plan • agreement on promising solutions • agreement on the implementation of commitments • enough information to finalise the report and its conclusions 	
Format/Logistics request	<p><u>Estimated number of seats needed</u></p> <p>200-400</p>	<p><u>Preferred room set-up</u></p> <ul style="list-style-type: none"> • two catheders on stage • table with seats for 8 persons <p>Standard cinema seating</p>	<p><u>All rooms will be equipped with:</u></p> <ul style="list-style-type: none"> • a computer • a video projector • a screen • 2 microphones • simultaneous translation in French and English
Extra requirements for innovative sessions	<p>Distribute to all people 3 coloured cards (red, green, yellow)</p> <p>1 flip chart</p>		

Part 2:

Session title	Sustainable productivity and lower costs of water management for food security at affordable prices for all	
<u>Time</u>	<p><u>Descriptions of items/presentations</u> <i>Date:</i> Thursday March 15, 8.30 – 10.30 hour <i>Hall:</i> Palais des congrès (PdC) RDJ <i>Room:</i> PC 4, Patio 2 <i>Chairman:</i> Prof. Gao Zhanyi, ICID <i>Moderator:</i> Pasquale Steduto, FAO <i>Rapporteur:</i> Macarena Johns</p>	
10'	<p><i>General findings actions, solutions, commitments and recommendations of Target III</i> Bart Schultz, ICID, UNESCO-IHE</p>	
	<p><i>What can be done: a range of perspectives</i></p>	
5'	<p><i>Institutional aspects</i> Jacques Plantey, retired Société du Canal de Provence</p>	
5'	<p><i>Technical aspects</i> Hervé Plusquellec, retired Irrigation Advisor, The World Bank</p>	
5'	<p><i>Financial aspects</i> Kevin Parris, OECD</p>	
4'	<p><i>Farmers opinion</i> André Pinatel, Chairman of Chambre Régionale d'Agriculture of PACA Region</p>	
4'	<p><i>A multi-lateral donor perspective</i> Ian Makin, Asian Development Bank (ADB)</p>	
4'	<p><i>Manufacturers point of view</i> Laurent Selles, Marketing manager, Guilford Holding SA</p>	
30'	<p><i>First round of discussion with the audience starting with brief comments from other target group members on what can be done (2 minutes each) facilitated by Pasquale Steduto</i></p> <ul style="list-style-type: none"> • Suhas Wani, ICRISAT • N. Daurensan, Compagnie d'Aménagement des Côtéaux de Gascogne (CACG), France 	
	<p><i>Solutions that have been tested: up-scaling potential</i></p>	
4'	<p><i>Practitioner point of view. The MASCOTTE approach</i> Robina Wahaj, FAO</p>	
4'	<p><i>Potential of-flood irrigation for small-holder farm families</i> Abraham Mehari Haile, UNESCO-IHE</p>	
15'	<p><i>Brief comments by the other Target group members (3 minutes each)</i></p> <ul style="list-style-type: none"> • Billy Troy, Farm Foundation, France • Sonia Gupta, Secretary General, Centre for the Built Environment, India • Sara Delaney, IFAD • Urs Heierli, International Development Enterprises (IDE) 	
25	<p><i>Discussion of speakers and audience facilitated by Pasquale Steduto:</i></p> <ul style="list-style-type: none"> • Jacques Plantey, Société du Canal de Provence • Hervé Plusquellec • Kevin Parris, OECD • André Pinatel, Chambre Régionale d'Agriculture of PACA Region • Ian Makin, ADB • Laurent Selles, Guilford Holding • Robina Wahaj, FAO • Abraham Mehari Haile, UNESCO-IHE 	
5'	<p><i>Wrap up and conclusions</i> Gao Zhanyi</p>	
Targeted audience in view of commitments	Those interested in the various aspects of water management for global and sustainable food production	
Other Information	Not at the moment	

Target IV. Session Outline

Part 1:

Reference number	2.2.4		
Target(s)/PFA/CS/Region	By 2015 increase by 25% - as compared to 2005-2007 baseline – the safe use of non-conventional waters, either treated wastewater or saline water, in agriculture and aquaculture, together with an increase in the number of countries recognizing the WHO-FAO-UNEP Guidelines for wastewater use in agriculture and aquaculture where insufficiently treated wastewater is used.		
Session title	Using non-conventional water of lower quality for agriculture and aquaculture.		
Session teaser/description	Agriculture can use water that is not suitable for higher level purposes, such as for household or industrial use. Waste water and salty water can be productive resources if used appropriately, thereby conserving higher quality water while providing disposal methods and a source of food and income. The challenge is how to use this water without harming human health or the environment. The session will focus on a variety of solutions to this challenge that have application in many regions of the world.		
Duration	2-hours		
Contact details of the Coordinator(s) convening the session	Dr Faisal Taha, coordinator		
Objectives and outputs	<u>General objectives of the session</u> To present solutions to the challenges of using waste water and saline water for food production To provide a forum for discussion and new ideas -	<u>Expected outputs</u> <ul style="list-style-type: none"> • Finalise the Target Action Plan • Share promising solutions • Work on commitments • Enrich the report and its conclusions 	
Format/Logistics request	<u>Estimated number of seats needed</u> Less than 200	<u>Preferred room set-up</u> Standard cinema seating	<u>All rooms will be equipped with:</u> <ul style="list-style-type: none"> • a computer • a video projector • a screen • 2 microphones • simultaneous translation in French and English
Extra requirements for innovative sessions	Portable microphone 1 flip chart		

Part 2:

Session title	Using non-conventional water of lower quality for agriculture and aquaculture.
<u>Time</u>	<u>Descriptions of items/presentations</u> Date: Thursday March 15, 11.00 – 13.00 hour Hall: Palais des congrès (PdC) RDJ Room: PC 4, Patio 2 Chairman: Dr. Faisal Taha and/or Deputy Minister of Environment and Water, UAE Facilitator: Dr. Faisal Taha, International Centre for Biosaline Agriculture (ICBA) Moderator: Dr. Ian McCann Reporters: Ms. Carla Mellor and Dr. Khalil Ammar, International Centre for Biosaline Agriculture
5'	<i>Introduction</i> Dr Faisal Taha, Coordinator
10'	<i>High level treated wastewater</i> <i>Two solutions from USA and Mexico</i> Robert F. Kelly, Responsable du Département Assistance Technique Assainissement et Environnement, Suez Environnement
10'	<i>Low level treated wastewater</i> <i>Two solutions from West Africa</i> Ben Keraita, Researcher - Copenhagen School of Global Health / International Water Management Institute (IWMI)
10'	<i>Managing Urban waste water and small scale irrigation – a case study in Dakar, Senegal</i> Jean Boroto, FAO-RAF
10'	<i>Wastewater based aquaculture</i> Sonia Gupta, Secretary General, Centre for the Built Environment
10'	<i>First round of discussion with the audience</i>
5'	<i>Wastewater reuse solutions in Palestine</i> Jamal Al-Dadah, Head of Planning Department, Palestinian Water Authority, Gaza Office
10'	<i>Forage and tree production using treated wastewater in Middle East/North Africa</i> Dr. Choukrallah Redouane, Professor of Horticulture, Head of the Salinity and Plant Nutrition Laboratory, Department of Horticulture, Institute Agronomique et Vétérinaire Hassan II
10'	<i>New irrigation criteria for water suitability</i> Donald Suarez
10'	<i>SaltMed model as a tool for water, crop, fertilizer and field management</i> Ragab Ragab, Natural Environment Research Council (NERC)
10'	<i>Using saline water for agricultural, aquacultural and environmental purposes in the Arabian Peninsula</i> Ian McCann
10'	<i>2nd round of discussion with the audience</i>
5'	<i>Wrap up</i> Dr. Faisal Taha
Targeted audience in view of commitments	Scientific/Private industry/government and non governmental organisations
Other Information	

Target V. Session Outline

Part 1:

Reference number	2.2.5		
Target(s)/PFA/CS/Region	Increasing capacity of water storage in support of irrigated agriculture in an environmentally sufficient and socially sound management		
Session title	Securing world food supplies through increased water storage systems		
Session teaser/description	Irrigation has reduced likelihood of hunger and malnutrition, transformed rural economies, created employment and increased food supplies, particularly in Asia. This was only possible through the provision of reservoirs, dams and water storage structures. Reliable storage and irrigation have also boosted economic growth in many of the developed economies of the Americas and Europe. This success has enabled the transformation of agriculture-based economies to industrial and emerging market economies. Additional benefits of dams and reservoirs are that they serve multiple purposes, such as electricity generation, flood control, navigation, and aquaculture. However, the level of creation of storages in many developing countries in Africa as well as Asia, are inadequate to withstand future challenges of climate change, drought and thus food security. Countries in sub-Saharan Africa store only about 4% of their annual renewable flows, compared with 70%-90% in many developed countries, yet water storage is essential to ensure reliable sources of water for irrigation, water supply and hydropower and to provide a buffer for flood management. For many countries with insufficient water storage capacity, the case for creating storages should form part of its food and energy security agenda. Given the projected rise in population in many of the developing nations in Africa and Asia, and the changing demographic patterns including urbanization, food production, and energy security shall necessitate dams, reservoir, water harvesting ponds, and surface runoff capture.		
Duration	2 hours		
Contact details of the Coordinator(s) convening the session	Professor Dr Chandra Madramootoo, Dean of Agricultural and Environmental Sciences, McGill University, and President Hon. ICID. Tel: 514-398-7707 Email: chandra.madramootoo@mcgill.ca		
Objectives and outputs	<u>General objectives of the session</u> <ul style="list-style-type: none"> To arrive at realistic targets of the amount of water storage need to secure world food supplies To discuss appropriate methods of water storage in various regions To ensure that all environmental safeguards are in place to support infrastructural development to explore possible investment costs by region 	<u>Expected outputs</u> <ul style="list-style-type: none"> Finalise the Target Action Plan Share promising solutions Work on commitments Enrich the report and its conclusions 	
Format/ Logistics request	<u>Estimated number of seats needed</u> 200	<u>Preferred room set-up</u> Round table seating + 8 flip chart if possible	<u>All rooms will be equipped with:</u> <ul style="list-style-type: none"> a computer a video projector a screen 2 microphones simultaneous translation in French and English

Part 2:

Session title	Securing world food supplies through increased water storage systems
<u>Time</u>	<p><u>Descriptions of items/presentations</u> <i>Date:</i> Wednesday March 14 14.30 – 16.30 hour <i>Hall:</i> Palais de l'Europe (PEU)- hall 8 <i>Room:</i> PEu 5 <i>Chairperson:</i> A.C. Tyagi, Secretary General ICID <i>Facilitator:</i> Mr Ismail Najjar <i>Reporter:</i> Michel de Vivo (ICOLD)</p>
5'	<p><i>Welcome and Introduction</i> Gao Zhanyi, President ICID</p>
10'	<p><i>Options and importance of 'Water Storage for Irrigated Agriculture</i> Chandra A. Madramootoo, President Hon. ICID</p>
10'	<p><i>Large Dams and Storages – Relevance of Eco-friendly and Socially Acceptable Water Development</i> Jia Jinsheng, President International Commission on Large Dams (ICOLD)</p>
10'	<p><i>Small storage options for smallholders—from water harvesting to small dams</i> Mr. Jean Philippe Venot, project – Ag water solutions</p>
15'	<p><i>First exchange with audience around the storage options by facilitator</i></p>
50'	<p><i>Round Table discussions to discuss various storage options to support agriculture adaptation to climate change while answering to the needs of other sectors including the environment.</i> (each table will build around an example – one of those presented earlier + new ones that will be presented shortly and then discussed in small groups to reflect on their relevance for other settings and implication for action – action items) . The example presenter will provide a short teaser in plenary and provide more details at his table, and will report results).</p> <p><i>Technical options for storing water:</i></p> <ul style="list-style-type: none"> • <i>Sri Lanka, traditional cascading systems</i> BadraKamaladasa, Women for Water Partnership, Sri Lanka • <i>India, water harvesting in individual tanks, the Regar Sagar movement in West Madhya Pradesh</i> Vivek Sharma, Chief Functionary, Centre for Advanced Research and Development, CARD, India • <i>Niger and Mali, storing invisible water with groundwater dams</i> Amadou Moussa, President ARID/ICID • <i>Ethiopia, rainwater harvesting, diversity of options,</i> Mr. Hune Nega, Ministry of Agriculture, Ethiopia • <i>Rethinking small dams for multiple uses,</i> Jean Philippe Venot <p><i>Managing multiple benefits and multiple constraints</i></p> <ul style="list-style-type: none"> • <i>Managing social, environmental and economic importance and other multi-benefits of hydropower. with an example from the International Hydropower Association (IHA)</i> Mr. Richard Taylor, Executive Director IHA • <i>Managing environment and agriculture with an example from the International Union for Conservation of Nature (IUCN)</i> James Dalton • <i>Managing electricity and irrigation supply</i> Emmanuel Branche (EDF) and Daniel Boubee (ICID/ AFEID) <p><i>Based on the presentations: managing Water storage for multiple use and flood protection various tables facilitated by R C Jha, ICID and Dr. Xu Yao, CNCOLD</i></p>
10'	<p><i>Summary of table discussions</i> Mr Ismail Najjar, facilitator, will summarize results</p>
10'	<p><i>Session Conclusions and recommendations</i> Professor Dr. Chandra A. Madramootoo, McGill University and President Hon ICID and A.C. Tyagi, Secretary-General ICID and Michel De Vivo, Secretary-General ICOLD</p>
Targeted audience in view of commitments	<p>Policy makes and water resource planners involved in the development of national food and water security plans</p>
Other Information	<p>This session will be highly participative, and would require to prepare for each table briefs on each example to be distributed – 1 pager</p>

Target VI. Session Outline

Part 1:

Reference number	2.2.6		
Target(s)/PFA/CS/Region	By 2015: develop and adopt at least two macro-regional visions optimizing water use for food security; and by 2020 develop 200 sub-regional (national, local, large area, etc) sustainable agriculture plans		
Session title	Optimal use of water for food security. Regional visions and local agricultural plans		
Session teaser/description	Over the coming decades, global change will have significant, yet highly uncertain impacts on food and water security. World-wide there is an enormous challenge to produce almost 50% more food up to 2030, and double production by 2050 to satisfy the demand of a population of just over 9 billion people. Nearly all of this population increase will occur in emerging and least developed countries. Today's agriculture sector faces a complex series of challenges: produce more food of better quality while using less water per unit of output; provide rural people with resources and opportunities to live a healthy and productive life; apply clean technologies that ensure environmental sustainability; and contribute in a productive way to the local and national economy. If you are interested and willing to be a part of a global action oriented effort for developing and adopting regional visions and local action plans for sustainable agriculture you are invited to join Topic session T2.2.6.		
Duration	Unless they are combined with other sessions, all sessions are 2-hour long		
Contact details of the Coordinator(s) convening the session	Prof. Safwat ABDEL-DAYEM Secretary General Arab Water Council (AWC) Tel.: +(202) 22600312 (office), +(20122) 2379222 (mobile) E-mail: safwat@arabwatecouncil.org		
Objectives and outputs	<u>General objectives of the session</u> <ul style="list-style-type: none"> Confirm the need for regional visions and local action plans for sustainable agriculture and food security Agree on the approach, methodology and next steps 	<u>Expected outputs</u> <ul style="list-style-type: none"> Finalise the Target Action Plan Share promising solutions Work on commitments Enrich the report and its conclusions Agree on next steps 	
Format/Logistics request	<u>Estimated number of seats needed</u> Less than 200	<u>Preferred room set-up</u> Roundtable seating	<u>All rooms will be equipped with:</u> <ul style="list-style-type: none"> a computer a video projector a screen 2 microphones simultaneous translation in French and English
Extra requirements for innovative sessions	<ul style="list-style-type: none"> Professional facilitation Flip Charts and Stands Color marking pens Adhesive taps 6 flip charts if possible 		

Part 2:

Session title	Optimal use of water for food security. Regional visions and local agricultural plans
<p><u>Time</u></p>	<p><u>Descriptions of items/presentations</u> <i>Date:</i> Tuesday March 15, 17.00 – 19.00 hour <i>Hall:</i> Palais de l'Europe (PEU)- hall 8 <i>Room:</i> PEu 2 <i>Chair:</i> Prof. Dr. Mahmoud Abu-Zeid, Arab Water Council (AWC) <i>Moderator:</i> Prof. Safwat Abdel-Dayem, Secretary General AWC <i>Reporter:</i> Dr. Mohamed Anwar, Professor, National Water Research Center (NWRC)</p>
<p>10'</p>	<p>Opening:</p> <ul style="list-style-type: none"> • <i>President Arab Water Council (AWC)</i>, Prof. Dr. Mahmoud Abu-Zeid • <i>Theme 2.2 Core Group Coordinator</i>, Pasquale Steduto, FAO
<p>10'</p>	<p><i>Introduction to Target VI, identified solutions and commitments</i> Target and Solutions Group Coordinator, Prof. Safwat Abdel-Dayem</p>
<p>30'</p>	<p><i>Interactive roundtable discussions on developing regional visions and agricultural plans hosted by the Target and Solution Group Members.</i></p>
<p>30'</p>	<p><i>Presenting the group discussion outcome by the small group reporters</i></p>
<p>30'</p>	<p><i>Moderated high level panel discussion about issues, solutions and commitments</i></p> <ul style="list-style-type: none"> • H.E. Fahad Al-Attiya, Chairman, Qatar National Food Security Programme (<i>Qatar</i>) • H.E. Dr. Hesham Kandil, Minister of Water Resources and Irrigation (<i>Egypt</i>) • Dr. Rodney Cooke, Director, Policy and Technical Advisory Division (<i>IFAD</i>) • Dr. Thierry Facon, Senior Water Management Officer, FAO Regional Office for Asia and the Pacific, Bangkok, Thailand (<i>FAORAP</i>) • Prof Eric Odada, Head of Marine Geology and Oceanography, Department Of Geology, University of Nairobi, Member of UNSGAB, (<i>Kenya</i>) • Dr. Ing. Sergio D. Claire, Chief of Party, Integrated Food Security Project, USAID/Bolivia Contractor (<i>Bolivia</i>) • Dr. D.M. More, President of the 'Irrigation Collaboration (<i>Sinchan Sahyog</i>) of Maharashtra
<p>10'</p>	<p><i>Wrap up and closing</i> Prof. Dr. Mahmoud Abu-Zeid</p>
<p>Targeted audience in view of commitments</p>	<p>Political leaders, Regional coordinators, Donors, Development agencies, Decision makers, Government officials, Water/agricultural specialists, professional associations, Private Sector, Women, Youth.</p>
<p>Other Information</p>	

Target VII. Session Outline

Part 1:

Reference number	2.2.7		
Target(s)/PFA/CS/Region	By 2015, develop national strategic action programmes for key 'hotspot' aquifers exploited by intensive agricultural use (% aquifer depletion, % pollution), including a local definition of maximum admissible drawdown (MAD) and local definition of maximum admissible pollution levels (MAP) for agricultural uses		
Session title	Groundwater: boom or bust for agriculture?		
Session teaser/description	<p>The session aim to raise awareness on the risks of uncontrolled development of groundwater for multiple uses, and in particular for agriculture production. It will illustrate <i>consequences</i> of unregulated pumping and present solutions that have been attempted to slow or reverse trends in aquifer depletion and groundwater quality decline.</p> <p>The session will aim to demonstrate that prevention and local collective governance of groundwater as a common good is likely to be much more cost-effective than cure for all involved.</p>		
Duration	Unless they are combined with other sessions, all sessions are 2-hour long		
Contact details of the Coordinator(s) convening the session	Jacob Burke: jacob.burke@fao.org Domitille Vallee: domitille.vallee@fao.org		
Objectives and outputs	<u>General objectives of the session</u> <ul style="list-style-type: none"> raise awareness on the urgency to take action on uncontrolled use of groundwater for agriculture (and other uses) propose solutions to manage sustainable groundwater use 	<u>Expected outputs</u> <ul style="list-style-type: none"> Finalise the Target Action Plan Share promising solutions Work on commitments Enrich the report and its conclusions 	
Format/Logistics request	<u>Estimated number of seats needed</u> Less than 200	<u>Preferred room set-up</u> Roundtable seating	<u>All rooms will be equipped with:</u> <ul style="list-style-type: none"> a computer a video projector a screen 2 microphones simultaneous translation in French and English
Extra requirements for innovative sessions	Distribute to all people 3 coloured cards (red, green, yellow) 1 flip chart		

Part 2:

Session title	Groundwater: boom or bust for agriculture?
<u>Time</u>	<u>Descriptions of items/presentations</u> Date: Wednesday March 14 14.30 – 16.30 hour Hall: Palais des congrès (PdC), N+1 Room: PC 11, Morgiou Chairperson: Jacob Burke, FAO Facilitator: Domitille Vallee, FAO Reporter: Jean Boroto, FAO
5'	<i>Introduction to clarify key terminology and the scope of the session</i> Jacob Burke
10'	<i>Participatory session to get feedbacks from the participants on their interests / concerns on the groundwater issue (use coloured cards)</i>
5'	<i>Issue and action– case study 1 – India (APFAMGS)</i> Dr. G Das, FAO/project coordinator SPACC India
5'	<i>Issue and action – case study 2 – France (Beauce) (Beauce aquifer and Provence conjunctive)</i> Denis Baudequin, MAAPRAT, member du CGAAER France
5'	<i>Issue and action – case study 3 – USA</i> Dr.Jarvis Todd, Oregon State University, USA
5'	<i>Issue and action case study 4 –Morocco (Souss)</i> <i>Massa Draa Aquifer</i> Dr Brahim Habibi, Président de la région Souss Massa Draa Marocco
15'	<i>Questions and discussion</i>
40'	<i>Panel to discuss the different types of 'solutions' – institutional, technical, social. each panelist will be given 2' for a statement that would show different perspectives and then discussion will be opened with the audience facilitated by Domitille Vallee.</i> <ul style="list-style-type: none"> • Gao Zhanyi , President ICID, (China – ICID), • Jean Margat, French Association of Hydrogeologist, BRGM (France) • Hune Nega, Ministry of Agriculture, (Ethiopia) • Julia Bucknall, or Marcus Wishart, World Bank • Shammy Puri, International Association of Hydrogeologists (IAH) • Representative Latin America
10'	<i>Wrapping up recommendations points for action plan</i> Jacob Burke
Targeted audience in view of commitments	practitioners willing to develop groundwater resources for agriculture or other water uses ; policy makers designing governance systems for groundwater
Other Information	

Target VIII combined with 3.2.4. Session Outline

Part 1:

Reference number	Theme 2.2 and Theme 3.2		
Target(s)/PFA/CS/Region	<p><i>Target 2.2.8.</i> By 2015, define water-related components of a strategy that will improve food supply chain efficiency by 50% and promote sustainable diets, including steps for its implementation by 2025.</p> <p><i>Target 324.</i> Estimate the major components of the water footprint of food waste/losses and develop partnerships with other interested sectors to develop actions/strategies aiming at reducing the avoidable footprint of food waste/losses by 50% by 2020</p>		
Session title	<p>Water Savings and Sustainable Diets Reducing post-harvest losses and food waste for multiple gains</p>		
Session teaser/description	<p>During the last few decades, unprecedented increases in food production have been accomplished. Little attention has, however, been devoted to the actual use of food produced. All recent estimates come to the conclusion that 30% to 50% of food production is wasted. Similarly, the sustainability of dietary trends is missing on the agenda. Shifts in diet composition hint at accelerating water footprints.</p> <p>Reducing losses and waste of food in the supply chain and moving towards sustainable diets will have multiple benefits; for water, environmental sustainability and public health.</p> <p>This innovative session will illustrate the magnitude of the problem. Linkages between food waste, unsustainable diets and water footprints will be discussed. A call for collective and individual action will be launched. The task is to reverse trends that lead to unacceptable consequences and to point at approaches that are sound and desirable from a water, human well-being and sustainability perspective</p>		
Duration	4 hours as combined with Target 3.2.4		
Contact details of the Coordinator(s) convening the session	<p>Jan Lundqvist: Jan.Lundqvist@siwi.org Barbara Burlingame (FAO): barbara.burlingame@fao.org ; Dernini, Sandro (FAO): sandro.dernini@fao.org VIEL Dominique [Dominique.Viel@finances.gouv.fr] Daniel Zimmer (danielzimmer13@gmail.com)</p>		
Objectives and outputs	<p><u>General objectives of the session</u></p> <ul style="list-style-type: none"> To illustrate that improvements in supply chain efficiency could have multiple benefits; for farmers, for the environment, water savings, and for the consumers Show that it makes a lot of sense to combine food production and supply thinking with objectives for consumers, e.g. sustainable diets show the relation between supply and value chain and that various groups may benefit illustrate that there is a growing interest for this kind of fresh thinking from various stakeholders, incl the private sector 	<p><u>Expected outputs</u></p> <ul style="list-style-type: none"> Target Action Plan Share promising solutions Work on commitments – yes, to be followed up at World Water Week in Stockholm, August 2012 Enrich the report and its conclusions <p>Other, please specify: We are discussing various outputs to enhance awareness, promote initiatives: videos, articles, a book</p>	
Format/Logistics request	<p><u>Estimated number of seats needed</u></p> <p>Less than 200</p>	<p><u>Preferred room set-up</u></p> <p>Roundtable seating</p>	<p><u>All rooms will be equipped with:</u></p> <ul style="list-style-type: none"> a computer a video projector a screen 2 microphones simultaneous translation in French and English
Extra requirements for innovative sessions	<p>Arrangements to show a professional video – a big screen? Get the coffee served in the room and enough space to show posters in the room, to allow people to move around the room and discuss with the sessions organisers during coffee break</p> <p>Request 5 flip chart and flip chart paper (considering your 5 themes) in advance, because it seems that won't be many available.</p>		

Part 2:

Session title	Water Savings and Sustainable Diets Reducing post-harvest losses and food waste for multiple gains
<u>Time</u>	<u>Descriptions of items/presentations</u> Date: Thursday March 15, 8.30 – 12.30 hour Hall: Palais de l'Europe (PEU)- hall 8 Room: PEu 8 Chairperson: Koohafkan, Parviz , Director Land and water division (FAO) Facilitator: Leon Cuauhtemoc Reporters: Dominique Viel and Shakuntala Haraksingh Thilsted
5'	<i>Opening</i> Koohafkan, Parviz
10'	<i>From field to fork – importance of food waste (post-harvest losses, conversions, waste and sustainable diets). Magnitude of the issue; potential savings and benefits</i> Jan Lundqvist (SIWI)
10'	<i>The Fork : food, nutrition and sustainable diets - the water connection</i> Sandro Dernini, FAO
10'	<i>From fork to field- Water footprints – importance of food waste for water and farming systems, a minimum agenda for action for the water community</i> Daniel Zimmer,
15'	<i>Questions for clarifications</i>
10'	<i>Video. 'Taste the Waste' highlights from video</i> Valentin Thurn, Köln, Germany
50'	<i>1st Panel (5 introductions) - the dimension of the food waste and food losses problem (reporter Dr Shakuntala Haraksingh Thilsted)</i> <i>(each panellist is given about 3 minutes to set the scene, one slide for each panellist to highlight the situation in different regions. Followed by clarifying questions).</i> <ul style="list-style-type: none"> • <i>Situation and initiatives in Africa</i> Aly Abou-Sabaa (African Development Bank) • <i>Situation and initiatives in Asia, example of China</i> Prof Junguo Liu • <i>Situation in OECD countries</i> Brad Riddout (CSIRO)
20'	<ul style="list-style-type: none"> • <i>Situation in the European Union</i> Herbert Aichinger, conseiller scientifique de la DG Environnement (EU) or Dominique Viel, Chef de la mission de contrôle Ecologie et développement durable, au Ministère des Finances • <i>Private Sector: Perceptions and initiatives</i> Javiera Charad (Nestlé)
	<i>Audience inputs and responses</i>
25'	<i>Coffee break – with walk around and contacts. Posters about virtual water, food waste, sustainable diet. Examples of action and ideas</i>

50'	<p><i>2nd Panel (6 introductions): Approaches and solutions; setting an agenda for action (reporter Dominique Viel)</i></p> <p>(each panellist is given about 3 minutes to set the scene, one slide for each panellist to highlight the situation in different regions. Followed by questions and comments)</p> <ul style="list-style-type: none"> • <i>Cut food waste by 50% by 2025 (EU resolution)</i> EU parliamentarian • <i>Connect farmer and food industry for multiple wins</i> Javiera Charad (Nestlé) • <i>Water Food print Pyramid and Sustainable Menus</i> Luca Ruini (Barilla) • <i>Smallholders and other actors in the supply chain</i> Rudolf Cleveringa (IFAD)
20'	<ul style="list-style-type: none"> • <i>Accor & food waste</i> Benoît Herrmann, Direction du développement durable (Accor) • <i>Last minute market in Europe</i> Andrea Segre (University of Bologna) • <i>Link nutrition and diets to water: example from South Asia</i> Shakuntala Haraksingh Thilsted, World Fish Institute, Bangladesh • <i>Sustainable diet / the Mediterranean diet as a model</i> Roberto Capone (CIHEAM - Bari) <p><i>Audience inputs and responses</i></p>
30'	<p><i>Roundtable discussions – setting an agenda for collective action</i></p> <p><i>Building multiple wins - saving water, saving energy, saving food, with improved nutrition.</i></p> <p><i>Consolidating and building upon existing initiatives/programs</i></p> <p>The discussion will tackle 5 themes: 1) Post harvest losses ; 2) Food waste; 3) Water footprints; 4) Sustainable diets; 5) Terminology and data; and will aim to discuss how to mobilize stakeholders and prepare future action plans (moving towards a coalition?).</p>
20'	<p><i>Each table will report briefly in plenary and integrated in the action plan for the targets.</i></p>
10'	<p><i>Wrap up - proposal for action plan</i></p> <p>Pasquale Steduto, FAO</p>
Targeted audience in view of commitments	Professionals from various stakeholder groups
Other Information	

Target IX. Session Outline

Part 1:

Reference number	2.2.9		
Target 9	Improve water management for more food production and increased access to water for smallholder farmers		
Session title	Make water work for small farmers also : an answer to food security and production challenges		
Political message	Ensure the voices of smallholders are heard for policy reform; their concerns should be part of any global, regional and national solutions for food and water security.		
Session teaser/description (150 words, please kindly use media-friendly language)	Smallholders have a central role in ensuring food security and food sovereignty and can succeed when supported with a range of measures political, technical, financial and capacity building. This session aims to raise the awareness on the importance to support smallholders and that such investments can bear a lot of benefits. It will also show directions for collective and individual actions and call to join in a multi stakeholder's coalition to support these actions.		
Duration	2-hours		
Contact details of the Coordinator(s) convening the session	Yves RICHARD CCFD Catholic Committee against hunger and for the development Secretary of the working group Justice for the smallholder farmers to access water for food of Coordination SUD (Solidarité Urgence et Développement - Coordination Solidarity, Urgency and Development). Co-coordinator with the French Ministry of Agriculture of the thematic group water and food security of the French National Committee of the forum Tel.: 33 6 83 28 87 36 E-mail: y.richard@ccfd.asso.fr		
Objectives and outputs	<u>General objectives of the session</u> <ul style="list-style-type: none"> demonstrate the potential of smallholders participation in agriculture water management processes illustrate a range of options to unlock that potential raise the awareness of policy makers on the importance of implementing combination sets of measures, including social oriented measures, as part of the process propose an action plan 2012-2015 link the agendas of water, agricultural G20 and Rio+20 convince the research centres and the development banks to take into account the small farming as an important lever to produce more agricultural goods by a better access and use of water	<u>Expected outputs</u> <ul style="list-style-type: none"> Complete the Target Action Plan Share solutions Work on commitments Enrich the report and its conclusions bring other stakeholders and the water community actors to take the importance of small holders as a part of the solutions to combat hunger, through a better access to water, water credit and water training 	
Format/Logistics request	<u>Estimated number of seats needed</u> Less than 200	<u>Preferred room set-up</u> Roundtable seating	<u>All rooms will be equipped with:</u> <ul style="list-style-type: none"> computer video projector screen 2 microphones simultaneous translation in French and English
Extra requirements for innovative sessions	Facilities for Kmer to English simultaneous translation 1 flip chart		

Part 2:

Session title	Make water work for small farmers also : an answer to food security and production challenges
<u>Time</u>	<u>Descriptions of items/presentations</u> <i>Date: Thursday March 15, 14.30 – 16.30 hour</i> <i>Hall: Palais des congrès (PdC), N+1</i> <i>Room: PC 12, Sormiou</i> <i>Chairman: Guillaume Benoit. High Council for Food, Agriculture and Rural Areas, Ministry of Agriculture</i> <i>Moderator: Yves Richard (CCFD)</i> <i>Rapporteur: Domitille Vallee (FAO)</i>
3'	<i>Introduction by the chairman to set the scene and frame the debates and announces the speakers</i> Guillaume Benoit
10'	<i>Main conclusions of Target and Solutions Group 2.2.9 work by the target coordinator</i> Yves Richard (CCFD)
10'	<i>Main conclusions of the irrigators governance systems based on the Mediterranean ISIIMM survey (6 countries - Egypt, France, Italy, Lebanon, Morocco, Spain-, 20 case studies)</i> Thierry Ruf (IRD)
10'	<i>AG water solutions project : agricultural water management for small farmers, zoom on water harvesting options</i> Vivek Sharma, Chief Functionary, Centre for Advances research and development, CARD, India
15'	<i>First exchange with the audience on small scale private water management</i>
10'	<i>Women at the Centre of Climate-friendly Approaches to Agriculture and Water Use Empowerment of women as political actors in society and as decision-makers at the household level. Participation in local democratic governance systems. Promotion of multifunctional agriculture.</i> Sheelu Francis, Women Collective of Tamil Nadu and Shiney Varghese, IATP Institute for Agriculture and Trade Policy
10'	<i>Supporting the Development of Water Users Associations - PreyNup's polders near Sihanouk city in Cambodia</i> Yim Boy President of the polders' users association and Sophak Seng, ISC director
10'	<i>Territory management local operations in the isle of La Reunion, France</i> Guillaume Benoit
30'	<i>2nd exchange with the audience with all speakers on support measures to support smallholders</i> All speakers
15'	<i>Synthesis and conclusions: the moderator will tease the political deciders and present the target action plan asking other stakeholders to join</i> Yves Richard
Targeted audience in view of commitments	Search centres, development banks, ministries of Foreign Affairs and of Agriculture, NGOs, farmers' associations
Other Information)	Ppt or pptx presentations