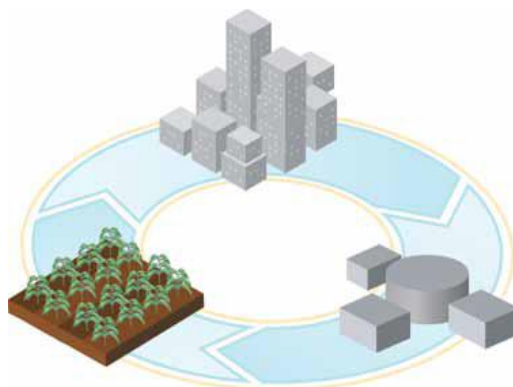


Safe and Productive Use of Wastewater in Agriculture

4th Regional Workshop, Latin America and the Caribbean

Lima, 11-13 December 2012

FINAL DRAFT PROGRAM



Organized by:



With the contribution of:



World Health Organization



UNITED NATIONS UNIVERSITY

UNU-INWEH



ICID-CIID



International Water Management Institute

DAY I Tuesday, December 11, 2012

- 8:30-9:00 Registration
- 9:00-10:30 Session 1: Opening**
- 9:00 – 9:20 Welcome and opening statements (FAO, ANA, UNW-DPC, WHO)
- 9:20 – 9:50 Introduction of participants and expectations
- 9:50 – 10:10 Overview of the Safe Use of Wastewater in Agriculture Project and scope of the 4th Regional Workshop (Jens Liebe, UNW-DPC)
- 10:10 – 10:30 Safe and productive use of wastewater in agriculture (Javier Mateo-Sagasta, FAO)
- 10:30 – 11:10 Group Photograph and Coffee/Tea**
- 11:10 – 17:30 Session 2: Country Reports**¹
- 11:10 – 12:00 **Session 2a:** Country specific reports on the status of wastewater use and capacity needs (México, El Salvador, Honduras): Facilitator: Jens Liebe, UNW-DPC.
- 12:00 – 13:00 **Session 2b:** Country specific reports on the status of wastewater use and capacity needs (Colombia, Ecuador, Peru, Bolivia): Facilitator: Pilar Roman, FAO.
- 13:00 – 14:00 Lunch**
- 14:00 – 15:00 **Session 2c:** Country specific reports on the status of wastewater use and capacity needs (Paraguay, Chile, Uruguay): Facilitator: Kate Medlicott, WHO HQ.
- 15:00 – 15:30 Coffee/Tea**
- 15:30 – 17:00 **Session 2d:** Country specific reports on the status of wastewater use and capacity needs (Cuba, Dominican Republic, Guyana, St Kitts and Nevis, Haiti): Facilitator: Birguy Lamizana, UNEP.
- (17:00 – 18:00 viaticum collection from local banks- see logistics note)

¹ In sessions 2a, 2b, 2c and 2d each country representative is expected to present in 5 slides the following topics: 1- wastewater production and treatment, 2-use and disposal, 3- regulations and institutions, 4-research and development 5-capacity needs (including knowledge and skills and institutional capacities). Each country will have 10 minutes to present. After each session there will be time for questions/comments and interactive discussion.

DAY II Wednesday, December 12, 2012

08:30 – 12:30 Session 3: Health, food production and environment: risk and risk mitigation

08:30 – 09:10 **Session 3a:** Three thematic presentations

1. Health risks and mitigation: guidelines for the safe use of wastewater in agriculture (Kate Medicott, OMS y Ana treasure, PAHO)
2. Environmental effects of wastewater use in agriculture and appropriate treatment technology for reuse (Birguy Lamizana, UNEP)
3. Maximizing productivity from wastewater: Irrigation, soil, and crop management strategies (Manzoor Qadir, UNU-INWEH and Javier Mateo-Sagasta, FAO)

09:10 – 9:30 **Session 3b:** Perú case study (title tbc)

09:30 – 10:45 **Session 3c:** Roundtable discussions in the following breakout groups ²

- Group 1: Use of wastewater in agriculture: Health risks mitigation (Facilitator Ana Treasure, PAHO)
- Group 2: Environmental effects of wastewater use in agriculture and appropriate treatment technology (Facilitator – Birguy Lamizana, UNEP)

10:45 – 11:15 Coffee/Tea

11:15 – 12:30 **Session 3d:** Presentations of working group results and discussion³: (Facilitator – Manzoor Qadir, UNU-INWEH)

12:30 – 13:30 Lunch

13:30 – 19:00 Field visit “Parque 26”

² In session 3c, countries will share experience on specific topics and will try to answer: Which experiences do we have? Which success stories do we know? How could we help each other?

³ In session 3d, a representative of each group will present the key highlights from round tables (10 minutes/group) for discussion in plenary

DAY III Friday, December 13, 2012

08:30 – 12:30 **Session 4: Economics and institutional arrangements**

08:30 – 09:00 **Session 4a** Two thematic presentations

1. Economic challenges of wastewater treatment and use in agriculture: (Javier Mateo-Sagasta, FAO, and Pay Drechsel, IWMI)
2. Institutional arrangements and collaboration at the national and regional levels: (Manzoor Qadir, UNU-INWEH)

09:00 – 09:30 **Session 4b** Two national case studies

Economic feasibility study of water reuse: The case of Lobregat river basin, Spain. (Francesc Hernandez, Univ Valencia)

Institutional arrangements in Perú (title tbc)

09:30 – 10:45 **Session 4c:** Roundtable discussions on country specific situations in the following breakout groups⁴

Group 1: Economic aspects and feasibility of wastewater treatment and reuse: (Facilitator- Javier Mateo-Sagasta, FAO)

Group 2: Policy and institutional issues related to wastewater management: (Facilitator – Manzoor Qadir, UNU-INWEH)

10:45 – 11:15 **Coffee/Tea**

11:15 – 12:30 **Session 4d:** Presentations of working group results and discussion⁵: (Facilitator – Pay Drechsel, IWMI)

12:30 – 13:30 **Lunch**

13:30 – 15:45 **Session 5: Capacity needs and national strategies**

13:30 – 13:45 **Session 5a:** Capacity needs and national strategies: Jens Liebe, UNW-DPC

13:45 – 14:45 **Session 5b:** Roundtable discussions on country specific situations in the following breakout groups⁶

Group 1: Capacity development requirements for safe use of wastewater: (Facilitator – Javier Mateo-Sagasta, FAO)

Group 2: National dissemination strategies for safe use of wastewater: (Facilitator – Jens Liebe, UNW-DPC)

14:45 – 15:45 **Session 5c:** Presentations of working group results and discussion (Facilitator – Birgyu Lamizana, UNEP)

⁴ In session 4c, countries will share experience on specific topics and will try to answer: Which experiences do we have? Which success stories do we know? How could we help each other?

⁵ In session 4d and 5c, a representative of each group will present the key highlights from round tables (10 minutes/group) for discussion in plenary

⁶ In session 5b, countries will refine capacity development requirements as well as discuss institutional arrangements and national dissemination strategies for safe use of wastewater.

15:45 – 16:00 Coffee/Tea

16:00 – 17:00 Session 6: Wrap-up and Concluding Session

Expectations from the countries from the project workshops and beyond (Facilitator Jens Liebe, UNW-DPC)

Synthesis and concluding remarks: (FAO and ANA)