

**IAH-MAR/UNESCO Meeting
At ISMAR6, Phoenix, 6.45pm October 29, 2007**

Attendees (29): Ivan Johnson, Marcel Tchaou (UNESCO), Peter Dillon, Ben Willardson, Peter Letitre, Albert Tuinhof, Zhuping Sheng, Stephanie Moore, Jordan Clark, David Pyne, Debashish Das, Mario Lluria, Enrique Escalante, Yann Moreau-Le Golvan, Thomas Grischek, Dr P S Navaraj, Ian Gale, Ricky Murray, Simon Toze, Peter Garrett, Andre LaForest, Phyllis Stanin, Carol Patterson, Kirk Patterson, Ben Willardson, Theo Olsthoorn, Jan Willem Kooiman, Dennis Peyton, Doug Bartlett, Cat Shrier.

The IAH/UNESCO group met to discuss a series of action projects raised in the IAH-MAR Plenary in the morning, and form working groups to implement these. These six items are listed below with the contact person and a short description of tasks that were self-assigned by these groups.

- 1. Governance** – This group is interested in rules, regulations, institutional arrangements, financing and brokering related to MAR projects.

Contact: Kirk Patterson

Action 1: Kirk to draft an abstract outline for subjects to be investigated, and likely form of output achievable within 6 months, and nature of help/information sought from others via IAH-MAR email list. Please send to Peter Dillon by December 7, 2007.

- 2. Benefits and costs associated with MAR projects** – This group is interested in objectively determining the costs and benefits associated with MAR as compared to other water management methods. Similarly, greenhouse gas comparisons may also be made.

Contact: David Pyne/Ben Willardson

Action 2A: David Pyne to set up web or ftp site, mount two existing reports and invite others in attendance to add to this. **Others** to send relevant material.

Action 2B: David Pyne/Ben Willardson to draft a summary of the group objectives in this area, proposed publication format, and further action items. For example a short synthesis for broad use could be mounted on IAH-MAR web site. **Albert Tuinhof** to assist with such analyses for small scale, low cost, MAR projects in developing countries for potable water supplies. Notionally to Peter by December 7, 2007.

- 3. Publications of MAR Materials in Spanish and Chinese** – This group is interested in promoting translation of MAR materials to and from Spanish and Chinese. UNESCO has agreed to translate Ian Gale's Strategies document into Spanish and Chinese. Other items to be translated need to be identified.

Contact: Mario Lluria/Enrique F Escalante

Action 3A: Mario and Enrique to look at IAH-MAR website and advise on which items warrant translation into Spanish. Also, to advise which Spanish MAR documents should be referenced on the website. Please advise Ian Gale by December 15, 2007.

Action 3B: UNESCO translation to be completed and mounted on IAH-MAR website.

4. **MAR Movie** – This group is interested in promoting public relations on MAR through movies, CDs.

Contact: Carol Patterson

Action 4: All interested members please send references to movies and CD on MAR to Carol Patterson by December 7, 2007. **Carol** to send the information to Ian Gale for mounting on IAH-MAR website. **Carol** to evaluate existing films and the need for new films to address ideas not covered in current media and possible contact with the Water Education Foundation.

5. **Clogging** – This group is interested in evaluating the need for a publication on clogging in MAR applications and taking account of recent research and developments in other fields such as oil field injection.

Contact: Theo Olsthoorn/Dennis Peyton/Thomas Grischek

Action 5: These three to identify group leader and provide an outline of intended actions and resource requirements. Please provide this to Peter Dillon by December 7, 2007.

6. **Demonstration Sites and Education Centers** – This group is interested in establishing a network of demonstration sites and education centers related to MAR.

Contact: Peter Dillon/Peter Letitre

Action 6: Peter Dillon to circulate to all a proposal for an international groundwater replenishment initiative for establishing a network of demonstration projects and centres, for opportunity for editing and additions. To be finalized by March 08.

Contact Person	Demonstration Project	Education Center
Stephanie Moore	Albuquerque, New Mexico – wadi infiltration in alluvium	University of New Mexico, New Mexico Tech in Socorro
Ricky Murray	Atlantis – pond infiltration of storm water and reclaimed water for recovery as drinking water	University of Western Cape, CSIR
Thomas Grischek	Riverbank filtration in Germany and India	University of Dresden, Training Center in North India (with University of Berlin and Dusseldorf)
Albert Tuinhof	Water Harvesting in Kenya with sand dams and other small scale structures	None yet
Simon Toze	Reclaimed water infiltration galleries in Perth	UWA/Curtin/CGS
Enrique Escalante	DINA-MAR www.dina-mar.es	University of Alcalá de Henares (Madrid), GRUPO TRAGSA