

International Workshop on Groundwater Protection

Co-organisers:

- World Bank funded India Hydrology Project
 - EU funded EU-India Action Plan Support Facility - Environment
- Silver Oak, India Habitat Centre, New Delhi

Day 1. 14 September 2010: Improving information for understanding groundwater quality issues

Inaugural Session		
10:00-10:10	Mr Hem Pande, Joint Secretary, Ministry of Environment and Forests	<i>Welcome address</i>
10:10-10:15	Chairman, Central Pollution Control Board (to be confirmed)	<i>Welcome address</i>
10:15-10:20	Mr S Gupta, Member (RM) Central Groundwater Board	<i>Welcome address</i>
10:20-10:25	Mrs Anju Gaur, World Bank	<i>Welcome address</i>
10:25-10:30	Mr Rob Donkers, Minister Counsellor Environment, EU Delegation	<i>Welcome address</i>
Appraisal of groundwater protection in India		
10:30-10:50	Mr Sushil Kumar, Scientist E CGWB	<i>Groundwater status and Policy dynamics of groundwater management in India</i>
10:50-11:10	Dr R.M. Bhardwaj, Central Pollution Control Board	<i>Key-note on groundwater pollution in India and its regulatory framework</i>
11:10-11:30	Dr Andy McDonald, British Geological Survey - Manager, BGS Hydrogeological data systems	<i>Practice of European groundwater information management</i>
11:30-11:45	<i>Tea</i>	
Workshop sessions		
12:00-13:00	Session I: Monitoring ambient groundwater conditions	Session II: Data Management and dissemination
	<i>Development of monitoring systems in India (monitoring network, laboratories for sample analysis) and future directions</i>	<i>Data management and dissemination systems in use in India – GEMS, eGEMS and CPCB data systems and proposed system development under Hydrology Project</i>
13:00-14:00	<i>Lunch</i>	
14:00-15:00	Session I continued	Session II continued
15:00- 15:15	<i>Tea</i>	
15:15-17:30	Session III Case Studies: Information for identifying groundwater management issues	Session IV Case Studies: Information for developing groundwater management solutions
	<i>Examples of studies where information on groundwater has been addressed: insight provided on data needed in future to assist groundwater protection</i>	<i>Examples of groundwater management schemes developed for control of contamination issues with emphasis on monitoring data required for implementation of management scheme</i>
17:30-18:00	<i>Wrap up by facilitators/experts and discussion</i>	

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Day 2: 15 September 2010: Workshop sharing lessons on policy and instruments

Introductory session		
10:00-10:10	Mr Rob Donkers, Minister Counsellor Environment, Delegation of the EU	<i>EU Groundwater directive and position of EU Delegation</i>
10:10-10:35	To be confirmed, World Bank	<i>World Bank's groundwater study and its international experience in Groundwater policy</i>
Appraisal of groundwater policy in India		
10:35-10:55	Dr. D K Chadha, Former Chairman, CGWB, Global Hydro-geological Solutions, Delhi	<i>Groundwater status and Policy dynamics of groundwater management in India</i>
10:55-11:05	Dr SVN Rao, DHI and APSF-Environment TA	<i>India's groundwater management and learnings from the EU-India analysis</i>
11:05-11:15	Dr Christian Grøn, DHI and APSF- Environment TA	<i>Common EU-India challenges and solutions in groundwater protection</i>
11:15-11:30	<i>Tea</i>	
Groundwater Protection in the EU		
11:30-12:00	Dr Johannes Grath, Head of Unit Groundwater, Umweltbundesamt GmbH, Austria	<i>EU Groundwater Policy Framework</i>
12:00-12:30	Mr Tony Marsland (to be confirmed), Groundwater Policy Manager. Environment Agency, United Kingdom	<i>Success factors of groundwater policy and management in Europe on member state level</i>
12:30-13:00	Dr Ariane Blum, BRGM French Geological Survey, France	<i>Protecting and restoring groundwater chemical and quantitative status. Examples of contributions and lessons learned</i>
13:00-14:00	<i>Lunch</i>	
14:00-14:30	Questions and discussion	
Workshop sessions		
	<i>Parallel Session I: Policy, regulation, institutions</i>	<i>Parallel Session II: Instruments supporting groundwater management</i>
14:30-14:45	<i>Dr Christian Grøn: Relevant options</i>	<i>Dr SVN Rao: Relevant options</i>
14:45-15:00	<i>Facilitator: Workshop and objectives methodology</i>	<i>Facilitator: Workshop objectives and methodology</i>
15:00-16:00	<i>Discussion and validation of options</i>	<i>Discussion and validation of options</i>
16:00-16:15	<i>Tea</i>	
16:15-17:00	<i>Recommendations and proposed actions</i>	<i>Recommendations and proposed actions</i>
Plenary: Recommendations and valedictory		
17:00-17:30	Short summary of main outcomes of workshop sessions from Day 1 and Day 2	
17:30-17:45	Discussion/ Conclusions	
17:30-17:45	Central Pollution Control Board Central Groundwater Board, Ministry of Environment and Forests (to be confirmed)	<i>Valedictory</i>
17:45-18:00	EU Delegation, APSF-Environment, Hydrology Project	<i>Closing remarks</i>