

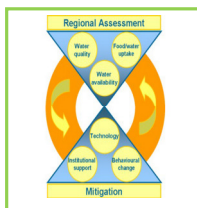
# International Workshop on Mitigating Effects of Geogenic Contaminants

February 22-23, 2012

CSIR-NEERI, Nagpur, INDIA

Venue : NEERI Auditorium

## Programme



<b>DAY - 1</b>		
<b>February 22, 2012 (Wednesday)</b>		
09:30 - 10:30 hr	<b>Registration</b>	
<b>Inaugural Session (10:30 - 11:30 hr)</b>		
10:30 - 10:35 hr	Welcome Address	Dr. S.R. Wate, Director, CSIR-NEERI
10:35 - 10:40 hr	About the Workshop	Dr. Pawan Labhassetwar, CSIR-NEERI
10:40 - 10:50 hr	Geogenic Contaminants: Priorities of Government of India	Mr. T.M. Vijay Bhaskar, IAS, Joint Secretary, MDWS, Delhi
10:50 - 11:05 hr	Geogenic Contaminants: International Status	Dr. Aidan Cronin, UNICEF, Delhi
11:05 - 11:25 hr	Inaugural Address	Mrs. Vilasini Ramachandran, IAS, Secretary, MDWS, Delhi
11:25 - 11:30 hr	Vote of Thanks	Dr. Paras Pujari, CSIR-NEERI
11:30 - 11:45 hr	<b>Tea Break</b>	
<b>Technical Session I (11:45 - 13:15 hr)</b> <b>Sources and Geographical Distribution of Geogenic Contaminants</b>		<b>Chairperson:</b> Mrs. Vilasini Ramachandran, IAS <b>Co-Chairperson:</b> Dr. S.R. Wate
11:45 - 12:00 hr	Status of habitation affected with geogenic contaminants and provision of safe water supply	Mr. T.M. Vijay Bhaskar, IAS, Joint Secretary, MDWS, Delhi
12:00 - 12:15 hr	Emerging trends of Selenium, Strontium, Silica and Uranium in drinking water sources in India	Mr. D. Rajasekhar, MDWS, Delhi
12:15 - 12:30 hr	Fluoride in drinking water: A global perspective	Prof. A.K. Gupta, IIT, Kharagpur
12:30 - 12:45 hr	Significance of geogenic contaminants and water management strategies	Mrs. Payden, WHO, Delhi
12:45 - 13:15 hr	<b>Discussion</b>	
13:15 - 14:00 hr	<b>Lunch Break</b>	
<b>Technical Session II (14:00 - 15:15 hr)</b> <b>Health Effects and Risk Assessment of Geogenic Contaminants</b>		<b>Chairperson:</b> Dr. Richard Johnston <b>Co-Chairperson:</b> Mr. D. Rajasekhar
14:00 - 14:15 hr	Health effects of geogenic contaminants	Dr. A. Gunasekar, WHO, Delhi
14:15 - 14:30 hr	Dental Fluorosis: Diagnosis and management	Dr. Samir Dutta, Govt. Dental College, Rohtak
14:30 - 14:45 hr	Nutrition supplementation for Fluorosis mitigation	Dr. Tapas Chakma, RMRCT, Jabalpur
14:45 - 15:00 hr	Quantitative chemical risk assessment and health based targets for fluoride	Dr. Pawan Labhassetwar, CSIR-NEERI
15:00 - 15:15 hr	<b>Discussion</b>	
15:15 - 15:45 hr	<b>Inauguration of Poster Session and Tea Break</b>	
<b>Technical Session III (15:45 - 17:30 hr)</b> <b>Monitoring, Surveillance and Risk Management</b>		<b>Chairperson:</b> Mr. T.M. Vijay Bhaskar <b>Co-Chairperson:</b> Dr. Gregor Von Medeazza
15:45 - 16:00 hr	Monitoring and management of geogenic contaminants	Dr. Richard Johnston, EAWAG, Switzerland
16:00 - 16:15 hr	Sources and mechanism of high fluoride in granitic area: Possible mitigation strategies	Dr. D.V. Reddy, NGRI, Hyderabad

16:15 -16:30 hr	Preventing Fluorosis in children by therapeutic regimen and dietary interventions	Er. J.K. Bassin, CSIR-NEERI, Delhi
16:30 -16:45 hr	Geochemical and fluoride removal studies on fluoride contaminated water	Prof. Sudhakar Rao, IISC, Bangalore
16:45 -17:00 hr	Technological options for Iron and Fluoride removal	Er. S.P. Andey, CSIR-NEERI
17:00 -17:30 hr	<b>Discussion and recommendations based on first day of workshop proceedings – Chaired by Mrs. Vilasini Ramachandran, IAS, Secretary, MDWS, Delhi and Mr. T.M. Vijay Bhaskar, IAS, Joint Secretary, MDWS, Delhi</b>	
20:00 hr onwards	<b>Workshop Banquet</b>	

<b>DAY – 2</b>		
<b>February 23, 2012 (Thursday)</b>		
<b>Technical Session IV (09:30 - 11:30 hr) Mitigation / Technology Options</b>		<b>Chairperson:</b> Dr. Tapan Chakrabarti <b>Co-Chairperson:</b> Mr. Yusuf Kabir
09:30 – 09:45 hr	Technologies for mitigation of geogenic contaminants	Dr. Annette Johnson, EAWAG, Switzerland
09:45 – 10:00 hr	Combination of electrocoagulation and activated alumina for fluoride removal	Prof. Anirban Gupta, BESU, Howrah
10:00 - 10:15 hr	Developing Water Technology: From Research Laboratory to Masses in the Field	Dr. Arup Sengupta, Lehigh University, USA
10:15 - 10:30 hr	<b>Discussion</b>	
10:30 - 10:45 hr	Membrane technologies for removal of geogenic contaminants	Dr. Ulhas K Kharul, NCL, Pune
10:45 - 11:00 hr	Technology accreditation, validation and certification: International experience	Mr. Vaneet Gupta, NSF, Gurgaon
11:00 – 11:15 hr	Community participation to mitigate field impacts of geogenic contaminants	Mr. Ayan Biswas, Arghyam, Bangalore
11:15 - 11:30 hr	<b>Discussion</b>	
11:30 - 11:45 hr	<b>Tea Break</b>	
<b>Technical Session V (11:45 - 13:15 hr) Country / State Presentations</b>		<b>Chairperson:</b> Mrs. Malini Shankar, IAS <b>Co-Chairperson:</b> Mr. Arnold Cole
11:45 - 12:00 hr	Fluorosis mitigation: Experience in Ethiopia	Dr. Feleke Zewege, University of Addis Ababa, Ethiopia
12:00 - 12:15 hr	Fluorosis mitigation: Experience in Madhya Pradesh	Er. N.P. Malviya and Er. Brajesh Shrivastava, PHED, MP
12:15 - 12:30 hr	Fluorosis mitigation: Experience in Chattisgarh	Er. A.K. Sahu, PHED, Durg
12:30 – 12:45 hr	Fluorosis mitigation: Experience in Maharashtra	Mr. Sharad Rode, Water and Sanitation Department, Nagpur
12:45 - 13:15 hr	<b>Discussion</b>	
13:15 - 14:00 hr	<b>Lunch Break</b>	
14:00 - 14:15 hr	Fluorosis mitigation: Experience in Punjab	Prof. Chander Parkash, Punjab Technical University, Kapurthala
14:15 - 14:30 hr	Programmes for mitigation of geogenic contaminants in India	Mr. Vineet Saini, DST, New Delhi
14:30 - 14:45 hr	Ground water quality layer generation using GIS - Role of MDWS and NRSC/ISRO	Dr. S.K. Subramanian and Dr G.S. Reddy, NRSC, Hyderabad
14:45 - 15:15 hr	<b>Discussion</b>	
15:15 - 15:30 hr	<b>Tea Break</b>	
15:30 -16:30 hr	Future Strategy and Action Plans	Mrs. Malini Shankar, IAS, Principal Secretary, WSSD, Mumbai Dr S.R. Wate, Director, CSIR-NEERI
16:30 -17:25 hr	<b>Valedictory Function</b>	Mrs. Malini Shankar, IAS, Principal Secretary, WSSD, Mumbai Dr. Richard Johnston, EAWAG Dr. Aidan Cronin, UNICEF Dr. Feleke Zewege, Ethiopia

		Dr. S.R. Wate, Director, CSIR-NEERI
17:25 -17:30 hr	Vote of Thanks	Er. S.P. Andey, CSIR-NEERI
17:30 hr	<b>High Tea and Workshop Closure</b>	
<i>February 24, 2012 (Friday): Field Visit</i>		

**Director & Staff of NEERI Welcome YOU to the Institute**