



## **Report on the Activities of the ISGSD** (2006- 2010)



**Prof. Prosun Bhattacharya**  
*Executive Secretary, ISGSD*  
**Prof. Jochen Bundschuh**  
*Vice President, ISGSD*



## Activities of ISGSD during the period 2006- 2010

The International Society of Groundwater for Sustainable Development (ISGSD) was conceived as a functional network where different stakeholders including GO, NGO and academic institution collaborate to share information on emerging issues in connection to groundwater management. ISGSD intends to create a common platform for the sector professionals for exchanging new ideas, views and knowledge. A global platform that stimulates initiatives for the advancement of sciences related to groundwater. Here is the report of the activities carried out by the Society since its inception in chronological manner.

1 . **2<sup>nd</sup> International Groundwater Conference (IGC-2006):** *Groundwater for Sustainable Development: Problems, Perspectives and Challenges*, New Delhi, India (February 1-4, **2006**). (Conference Chairs: Dr. AL. Ramanathan, School of Environmental Sciences, JNU, New Delhi-110067, India & Dr. Prosun Bhattacharya, KTH-International Groundwater Arsenic Research Group, Royal Institute of Technology (KTH), Stockholm, Sweden)

[http://www.lwr.kth.se/personal/personer/bhattacharya\\_prosun/IGC-2006.htm](http://www.lwr.kth.se/personal/personer/bhattacharya_prosun/IGC-2006.htm)

2. Nominations for the Executive Board Members and Members at Large –Electronically (February-June **2006**)

3. Formal inception and registration of the ISGSD (July **2006**) with the following members representing the executive board.

### **EXECUTIVE BOARD (2006-2010)**

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#### **Office bearers:**

##### **President:**

Prof. Dr. Gunnar Jacks (KTH, Stockholm, Sweden)

##### **Vice President:**

Prof. Dr. Jochen Bundschuh (Karlsruhe University of Applied Sciences, Karlsruhe, Germany)

##### **Executive Secretary:**

Prof. Dr. Prosun Bhattacharya (KTH, Stockholm, Sweden)

##### **Joint Secretary:**

Prof. Dr. A.L. Ramanathan (School of Environmental Sciences, JNU, New Delhi , India)

##### **Treasurer:**

Dr. A.K. Keshari (Department of Civil Engineering, Indian Institute of Technology-Delhi , India) (Inactive)

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#### **Executive Members (10):**

Prof. Dr. D. Chandrashekharam (India)

Prof. Dr. Kazi Matin Ahmed (Bangladesh)  
Prof. Dr. Yongguan Zhu (P.R. China)  
Prof. Dr. Ravendra Naidu (Australia)  
Tec. Lic.(Ms) Robinah Kulabako (Uganda)  
Prof. Dr. Marie Vahter (Sweden)  
Dr. Arun B. Mukherjee (Finland)  
Dr. Maria Eugenia García (Bolivia)  
Dr. Marta Litter (Argentina)  
Dr. Alan H. Welch (USA) (Non functional)

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### Members at Large 2006-2012

Dr. Karen Villholth (Sri Lanka)  
Prof. Dr. Viqar Husain (Pakistan)  
Dr. Steve Appelyard (Australia)  
Prof. Dr. Jörg Matschullat (Germany)  
Dr. Cecilia Scharp (Sweden)  
Prof. Dr. Jan Hoinkis (Germany)  
Dr. Ola M. Saether (Norway)  
Dr. Peter Birkle (Mexico)  
Dr. Maria Aurora Armienta (Mexico)  
Dr. R. Hirata (Brazil)  
Dr. Hugo Nicolli (Argentina)  
Dr. B. Sarkar (Canada)  
Dr. Dina Lopez (USA)  
Dr. Marcus Moench (USA)  
Dr. Simon Kapaj (Canada)  
Dr. José A. Centeno (USA)  
Dr. Alejo L. Pérez Carrera (Argentina)  
Dr. Olle Selinus (Sweden)  
Mr. M. Jakariya, NGO-Forum (Bangladesh)  
Prof. Dr. D. Chatterjee (India)  
Mr. Ross Nickson (UNICEF)

4. **1<sup>st</sup> International Congress on Natural Arsenic in Groundwaters of Latin America: Occurrence, Health Impacts, Remediation and Management, (As-2006)**: Mexico City, Mexico (20-24 June 2006)  
(Organisers: J. Bundschuh (ICE, Costa Rica), M.A. Armienta (UNAM, Mexico City), P. Bhattacharya (KTH-International Groundwater Arsenic Research Group, Royal Institute of Technology (KTH) and J. Matchullat (Interdisciplinary Environmental Research Center, Technical University Bergakademie Freiberg, Germany)  
[http://www.lwr.kth.se/personal/personer/bhattacharya\\_prosun/As-2006.htm](http://www.lwr.kth.se/personal/personer/bhattacharya_prosun/As-2006.htm)

5. **Geological Society of America, Annual Meeting** in Philadelphia, Pennsylvania, Utah, October 22-25, 2006. Topical session: T19. *Distribution of Arsenic and Related Metalloids in Surface and Ground Waters: Controls and Challenges*. Convenors: Kaye Savage (Vanderbilt University, TN, USA), Andrea Foster (U.S. Geological Survey), Prosun Bhattacharya (KTH, Sweden) and Abhijit Mukherjee (University of Kentucky).  
[http://gsa.confex.com/gsa/2006AM/finalprogram/session\\_18041.htm](http://gsa.confex.com/gsa/2006AM/finalprogram/session_18041.htm)

6. **9th International Conference on the Biogeochemistry of Trace Elements (ICOBTE-9)**  
Technical Session 6: *Arsenic in the Environment*, Beijing, China (July 15-19, 2007)  
(Organisers: Kyoung-Woong Kim; Sunbaek Bang (Gwangju Institute of Science and Technology, Gwangju, Korea); Prosun Bhattacharya (KTH-International Groundwater Arsenic Research Group, Sweden) Andy Meharg (University of Aberdeen, UK) and Yongguan Zhu (Chinese Academy of Sciences, Beijing, China).

7. Inception of the **International Congress Series "Arsenic in the Environment"** with the Second International Congress and establishment of the Special Logo of the Congress Series (2007)

8. **Special Publication of the ISGSD "Groundwater for Sustainable Development-Problems, Perspectives and Challenges"** (April 2008)

[Groundwater for Sustainable Development: Problems, Perspectives and Challenges](#)

Editor(s): Prosun Bhattacharya, Royal Institute of Technology (KTH), Stockholm, Sweden; AL Ramanathan, School of Environmental Sciences, New Delhi, India; Arun B. Mukherjee, University of Helsinki, Finland; Jochen Bundschuh, International Technical Cooperation Program, CIM (GTZ/BA), Frankfurt, Germany; Instituto Costarricense de Electricidad (ICE), San José, Costa Rica; Royal Institute of Technology (KTH), Stockholm, Sweden ; D. Chandrasekharam, Indian Institute of Technology, Bombay, India Indian Institute of Technology, Bombay, India ; A.K. Keshari, Indian Institute of Technology, New Delhi, India  
Price: \$189.95

ISBN: 9780415407762

Publication Date: April 01, 2008

9. **2<sup>nd</sup> International Congress on Arsenic in the Environment: Arsenic from nature to human. (As-2008)**: Valencia, Spain (21-23 May 2008)

(Organisers: J. Bundschuh (GTZ/BA, ICE, San José, Costa Rica); Luz Maria del Razo (Sección de Toxicología, CINVESTAV, México); Prosun Bhattacharya (KTH-International Groundwater Arsenic Research Group, Stockholm, Sweden) and Vicenta Devesa (Instituto de Agroquímica y Tecnología de Alimentos (IATA-CSIC), 46100 Burjassot, Valencia, Spain.

<http://www.adeit.uv.es/As2008valencia/index.php>

10. Nomination of National Cheng Kung University (NCKU), Taiwan with Prof. Jiin Shuh Jean as the Organizer of the **3rd International Congress on Arsenic in the Environment "Arsenic in Geosphere and Human Diseases"** in Tainan, Taiwan in May 2010 (2008)

11. **American Geophysical Union (AGU), Joint Assembly** Fort Lauderdale, Florida: Session H33C *Groundwater for Sustainability in Developing Countries* (27–30 May 2008)

(Convenors: D.L. Lopez, (Ohio University); J. Bundschuh (International Technical Cooperation Program, Frankfurt, Germany); P Bhattacharya (Royal Institute of Technology, Sweden)

12. **Geological Society of America, Annual Meeting** in Denver, Colorado, Topical session: T29.

*Arsenic: From Nature to Human* (GSA Geology and Society Division; Geochemical Society; International Society of Groundwater for Sustainable Development) (October 28-31, 2007)  
(Convenors: Prosun Bhattacharya (KTH, Sweden) and Abhijit Mukherjee (University of Kentucky). Alan Welch (U.S. Geological Survey)

[http://gsa.confex.com/gsa/2007AM/finalprogram/session\\_19880.htm](http://gsa.confex.com/gsa/2007AM/finalprogram/session_19880.htm)

[http://gsa.confex.com/gsa/2007AM/finalprogram/session\\_20051.htm](http://gsa.confex.com/gsa/2007AM/finalprogram/session_20051.htm)

13. Inception of the **Interdisciplinary Book Series: "Arsenic in the Environment"** contracted for publication by the CRC Press/Taylor and Francis (2008).

<http://www.as2010tainan.com.tw/download/As-series.pdf>

14. **Geological Society of America, Joint Annual Meeting** in Houston, Texas, Topical session: T149. *Groundwater Arsenic: A Global Environmental Health Problem and Sustainable Mitigation* (GSA Hydrogeology Division; GSA Geology and Society Division; GSA Geology and Health Division; GSA International Division; Geochemical Society; International Association of Hydrogeologists; International Society of Groundwater Sustainable Development) (October 5-9, 2008)

(Convenors: Prosun Bhattacharya (KTH, Sweden) , Abhijit Mukherjee (University of Kentucky, USA). D. Kirk Nordstrom (USGS, Denver, USA) , Jochen Bundschuh (ISGSD) and Mohammad Alauddin (Wagner College, NY, USA)

[http://gsa.confex.com/gsa/2007AM/finalprogram/session\\_19880.htm](http://gsa.confex.com/gsa/2007AM/finalprogram/session_19880.htm)

<http://a-c-s.confex.com/crops/2008am/webprogram/Session5043.html>

15. Publication of **Volume 1** of the Interdisciplinary Book Series: "Arsenic in the Environment": CRC Press (2009)

### Natural Arsenic in Groundwaters of Latin America

Editor(s): Jochen Bundschuh, *International Technical Cooperation Program, CIM (GTZ/BA), Frankfurt, Germany; Instituto Costarricense de Electricidad (ICE), San José, Costa Rica; Royal Institute of Technology (KTH), Stockholm, Sweden*; M. A. Armienta, *National Autonomous University of Mexico*; Peter Birkle, *Instituto de Investigaciones Eléctricas, Cuernavaca, Morelos, Mexico*; Prosun Bhattacharya, *Royal Institute of Technology (KTH), Stockholm, Sweden*; Jörg Matschullat, *Technical University, Bergakademie, Freiberg, Germany*; A. B. Mukherjee, *Helsinki University Environmental Research Centre, Finland*  
Price: \$199.95  
ISBN: 9780415407717  
Publication Date: October 14, 2008

16. **Geological Society of America, Annual Meeting** in Portland, Oregon, Topical session: T23. *Geochemistry of Arsenic and Other Toxic Elements and Assessment of Environmental Risks in Global Groundwater Systems* (October 18-21, **2009**)  
(Convenors: Prosun Bhattacharya (KTH, Sweden), Alan Fryar (University of Kentucky) and Abhijit Mukherjee (University of Kentucky).  
[http://gsa.confex.com/gsa/2009AM/finalprogram/session\\_23919.htm](http://gsa.confex.com/gsa/2009AM/finalprogram/session_23919.htm)  
[http://gsa.confex.com/gsa/2009AM/finalprogram/session\\_25139.htm](http://gsa.confex.com/gsa/2009AM/finalprogram/session_25139.htm)  
[http://gsa.confex.com/gsa/2009AM/finalprogram/session\\_25138.htm](http://gsa.confex.com/gsa/2009AM/finalprogram/session_25138.htm)

17. Publication of **Volume 2** of the Interdisciplinary Book Series: "Arsenic in the Environment" CRC Press (2010)

### The Global Arsenic Problem: Challenges for Safe Water Production

Editor(s): Nalan Kabay, *Ege University, Izmir, Turkey*; Jochen Bundschuh, *begin\_of\_the\_skype\_highlighting end\_of\_the\_skype\_highlighting, University of Applied Sciences, Karlsruhe, Germany & Royal Institute of Technology (KTH), Stockholm, Sweden*; Bruce Hendry, *Cape Peninsula University of Technology, Cape Town, South Africa*; Marek Bryjak, *Wroclaw University of Technology, Poland*; Kazuharu Yoshizuka, *Kitakyushu University, Japan*; Prosun Bhattacharya, *Royal Institute of Technology (KTH), Stockholm, Sweden*; Suer Anac, *Ege University, Izmir, Turkey*  
Price: \$99.95  
ISBN: 9780415575218  
Publication Date: April 30, 2010

18. Publication of **Volume 3** of the Interdisciplinary Book Series: "Arsenic in the Environment" CRC Press (2010)

### The Taiwan Crisis: a showcase of the global arsenic problem

Editor(s): Jiin-Shuh Jean, *Department of Earth Sciences, Tainan, Taiwan*; Jochen Bundschuh, *University of Applied Sciences, Karlsruhe, Germany & Royal Institute of Technology (KTH), Stockholm, Sweden*; Chien-Jen Chen, *Genomics Research Center, Academia Sinica, Taipei, Taiwan*; How-Ran Guo; Chen-Wuing Liu; Tsair-Fuh Lin, *National Cheng Kung University, Tainan City, Taiwan*; Yen-Hua Chen, *Dept of Earth Sciences, National Cheng Kung University, Tainan City, Taiwan*  
Price: \$89.95  
ISBN: 9780415585101  
Publication Date: April 14, 2010

19. **3<sup>rd</sup> International Congress on Arsenic in the Environment: "Arsenic in Geosphere and Human Diseases"(As-2010)** in NCKU Tainan, Taiwan (17-21 May **2010**)

(International Organisers: J. Bundschuh (HSKA, Germany, NCKU, Taiwan), P. Bhattacharya (KTH-International Groundwater Arsenic Research Group, Stockholm, Sweden) and J. Shuh Jean (NCKU, Tainan, Taiwan)  
<http://www.as2010tainan.com.tw/>

20. Publication of Interdisciplinary Book Series: "Arsenic in the Environment-Proceedings"  
CRC Press (2010)

[Arsenic in Geosphere and Human Diseases: Arsenic 2010](#)

Proceedings of the Third International Congress on Arsenic in the Environment (As-2010)

Editor(s): Jiin-Shuh Jean, *Department of Earth Sciences, Tainan, Taiwan*; Jochen Bundschuh  
*University of Applied Sciences, Karlsruhe, Germany & Royal Institute of Technology (KTH),  
Stockholm, Sweden*; Prosun Bhattacharya, *Royal Institute of Technology (KTH), Stockholm,  
Sweden*

Price: \$169.95

ISBN: 9780415578981

ISBN 10: 0415578981

Publication Date: April 27, 2010

Number of Pages: 652

21. Publication of **Volume 2** of the Interdisciplinary Book Series: "Multiphysics Modeling"  
CRC Press (2010)

[Introduction to the Numerical Modeling of Groundwater and Geothermal Systems:  
Fundamentals of Mass, Energy and Solute Transport in Poroelastic Rocks](#)

Authors: T Bundschuh, J. & M.C. Suarez (2010)

ISBN: 9780415401678

Publication Date: July 05, 2010

22. **Geological Society of America, Annual Meeting** in Denver, Colorado, Topical session: T23.  
*Geochemistry of Arsenic and Other Toxic Elements and Assessment of Environmental Risks in Global  
Groundwater Systems* (October 31- November 3, 2010)

(Convenors: Jiin-Shuh Jean, JochenBundschuh, Chen-Wuing Liu and Jui-Sheng Chen).

[http://gsa.confex.com/gsa/2010AM/finalprogram/session\\_26346.htm](http://gsa.confex.com/gsa/2010AM/finalprogram/session_26346.htm)

23. **Geological Society of America, Annual Meeting** in Denver, Colorado, Topical session: T12.  
*Arsenic in Geologic Systems* (October 31- November 3, 2010)

(Convenors: Prosun Bhattacharya, Abhijit Mukherjee, Alan E. Fryar, David A. Polya)

[http://gsa.confex.com/gsa/2010AM/finalprogram/session\\_26123.htm](http://gsa.confex.com/gsa/2010AM/finalprogram/session_26123.htm)