



Water Resources Research and Management Training Course

The Royal Scientific Society (RSS) of Jordan and InterAcademy Panel (IAP) on International Issues are arranging the regional training course. This course aims to provide knowledge and develop understanding about the water research and water management in the national, regional and international levels. It provides the skills to assess, plan, execute and implement the actions in water resources research and management.

Thus, at the end of the course the participants are expected to :

- Understand the importance of the water resources from environmental, social and economic perspectives.
- Know the extent of water stress impacts and associated costs on human health, environment and the economy.
- Establish knowledge on practical issues of water conservation, treatment and reuse.
- Know and appreciate the overall picture of integrated water management and approaches for current and future situations.

Your Trainer

The training will be conducted by Prof. José Galizia Tundisi, Chairman of IAP Water Programme at the Brazilian Academy of Sciences.

Venue

The Royal Scientific Society, Amman Jordan

Date

November 18- 20, 2007.

Invited Participants

The potential participants are engineers and researchers from government environmental protection agencies, universities, and research institutes from Bangladesh, India, Iran, Nepal, Pakistan, Palestine, Sri Lanka, Turkey, Israel, in addition to Jordan. The total expected number of attendees is limited to 20.



Training Course Format

First session: The background of Water Resources

- The water cycle.
- Global water distribution.
- Multiple uses of water.
- Water and economy.
- Water and society.
- Surface and groundwater.

Second session: Water Issues: Global, Regional

- Water stress and water scarcity.
- Impacts on water quantity: a worldwide picture.
- Impacts on water quality: a worldwide picture.
- Costs of impacts.
- Consequences of impacts.
- Water and human health.
- Regional problems (Middle East Asia, Arab world).
- Impacts of water degradation and loss of quality and quantity in the economy (regional & worldwide).
- Eutrophication.
- Contamination: heavy metals, toxic substances.

Third session: Water Treatment & Water Conservation

- Water monitoring
- Water treatment: approaches, costs.
- Technologies for water treatment
- Wastewater treatment: traditional and new technologies.
- New approaches for conservation & treatment.

- Costs, economy of water treatment.
- Water reuse; water recycling.
- Water in industry; water in agriculture.

Fourth session: Water Management and Water Governance: Water for the Future

- Integrated management: surface and groundwater.
- Water management in a stress situation.
- General concepts of water management: integrated, predictive.
- The watershed as a unit of management: examples, mechanisms of management.
- Water governance: problems and perspectives.
- Examples of water governance
- Water for peace: a new approach.
- Water and the future: scenarios under stress & scarcity.
- Mechanisms of water management and technologies for water management.
- Overall picture: global, regional, local: how to integrate.
- Mathematical Modeling as a tool for water management.

For Further information please contact Mr. Nizar Al-Halasa, training course coordinator, Tel +962 6 5344701 Ext. 2438, email: halasah@rss.gov.jo

**Water Resources Research and Management Training Course
November 18-20, 2007
Registration Form**

Title:	
First Name:	
Surname:	
Position:	
Organization:	
Department:	
Type of Organization	
Address:	
City:	
Postcode:	
Country:	
E-Mail:	
Telephone:	
Fax:	

Please note that the registration fees (400 US Dollars) are to be paid to the Royal Scientific Society before November 10, 2007.

Why do you want to participate?

How did you know about this training course? _____

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Application # :

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