

**Country Report:
GEOSS/AWCI Capacity Building Program**

SRI LANKA

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**Capacity building needs for sustainable
WRD**

Capacity building should aim at updating following sectors :

- Policy makers
 - *for acceptance/consensus*
- Researchers and scientists
 - *for dissemination/sustenance / training*
- Professionals / Technical support staff
 - *for implementation*

Areas of Capacity Development Needs

- Data Services for Water Resources Management
 - Data services by local agencies
 - Data by remote sensing from international agencies
- WRM
 - Analytical methods
 - Models as tool for WRM
- WR Planning and Management
 - IWRM principles
 - Judgment based on technical and socio-economic consideration

Needs in the Area of Data Services for Water Resources Managements

Data Services by Local Agencies

- Acquisition
 - Measuring techniques, sampling
 - Data quality
- Data management
 - Data base development
 - Data transfer
- Release of data
 - Data supply to users
 - Methods of access to data
 - Data policies in various countries

Needs in the Area of Data Services for Water Resources Managements

Acquiring Remote Sensing Data from International Agencies

Awareness on the availability of data

- Types, data sources
- How to receive data
- Free /cost ?

Needs in the Area of Water Resources Management

- Analytical methods
 - Advancement in modelling tools, types of models and concepts
 - Model capabilities and limitations
 - Available models in hand
- Models as tool for WRM
 - Resource requirements
 - Data preparation
 - Model simulation
 - Results interpretation
 - Judgment based on technical and socio-economic consideration

Roving Seminar Model

Requested Topics	No.				
1		Data services- miniproject			
2		Flood inundation modelling			
3		Integrated Water Resources Management			
Expected number of participants					
1		20			
2		25			
3		25			
Proposed duration of program					
1		2 weeks			
2		2 Weeks			
3		2 Weeks			
Target audience		Researcher	Professional	Administrator	Other
1			X		X
2		X	X		
3		X		X	
Available contributions to the program		Human Resources	Funding	Equipment/ data/ other supporting materials	Other
1				X	
2		X		X	
3				X	

Case Study Modules

Requested Topic	No.				
1		Inundation modelling			
2		Rainfall down scaling and forecasting			
3		Flood hazard mapping			

Web Based Learning

Requested Topic	No.				
1		IWRM			
2		Data quality quantrol			
3					
Available contributions to the program (ie. Existing materials, etc)	1				
	2				
	3				



Policy makers

To convince them on the advantages of modern technology for socio-economic development

Demonstration of successful cases and potential

Professionals/Implementation officers

to train them:

in recent advancements and equip them with modern scientific tools, to think globally and act locally – holistic approach

Short term sandwich training courses of multi-disciplinary nature

Postgraduate level sandwich training programs using local case studies

Technical support staff

to provide them an exposure on automation of data collection, on new technical infrastructure and their advantages.

Short term training courses to expose the use of modern technology