

**WEEK 1**

Duration: November 13 - November 17, 2007

Venue: NAAS Lecture Hall, NASC Complex, New Delhi

HOURS/DAY	9H00-10H00	10H00-11H00	11H00-12H00	12H00-13H00	14H00-15H00	15H00-16H00	16H00-17H00
Mon, Nov 12	Arrival of Participants						
Tue, Nov 13	Registration	Inaugural function for the GGA Course	Participants' Intros. Session	Course Kick-off: Basin-Module Intros: TS/BRS/SK/NB/AS/UA	Documentation/Disbursements: MR/MB/AK		
Wed, Nov 14	Connecting GW Science with practice, SK	Making sense from data in Hydrology, SJ		Tut. #1: Role playing game on river basin hydrology, Run 1, SJ, SK	A history of Groundwater Science, SK		
Thu, Nov 15	Groundwater Hydrology for Beginners, DK		Tutorial 2 : Self-learning tools for Groundwater, DK, SK	Case Discussion 1: Modeling and Decision Making, RA			
Fri, Nov 16	Intro to Resource use Module: BRS	Soil-water-plant-atmosphere relationships: AKS	Simple to complex GW models: the tradeoffs, DK		Case Discussion 1: Modeling and Decision Making, RA		
Sat, Nov 17	Participatory Water Quality Monitoring, MK		Science and Action in water harvesting and GW recharge, RN		Concepts and Practices of Artificial GW recharge: RS		

18th Nov, 2007 - From New Delhi, Proceed to Roorkee

**WEEK 2**

Duration: November 19 - November 24, 2007

Venue: DWRDM, IIT Roorkee

HOURS/DAY	9H00-10H00	10H00-11H00	11H00-12H00	12H00-13H00	14H00-15H00	15H00-16H00	16H00-17H00
Mon, Nov 19	Understanding and Estimating Crop Water Requirements: Theory and Tutorial ST			Water requirements of important foods: BRS	Understanding and improving water productivity: Theory and Practical AS		
Tue, Nov 20	Irrigation water saving technologies:	Water Efficient agricultural	Innovative water saving technologies for rainfed and irrigated				
Wed, Nov 21	Water savings in Rice: BRS	Managing salinity and	MI Systems for GW Savings: SAK				
Thu, Nov 22	Tutorial 4: Role playing Game on river	Case Discussion 3: Based	GW: Making sense of nature's fixed deposit - SS				
Fri, Nov 23	Remote Sensing and GIS in Water Resources Planning : Sanjay Jain (NIH)	IIRS - RCL, PKC, SKS, RSC: Sanjay Jain (NIH)					
Sat, Nov 24	Watershed/Geology field visit: GW recharge, discharge: SW-GW links; Water chemistry; Forest-water linkages; Impacts of						

25th November, 2007 - Visits to Patanjali Yog Peeth & Crystal World Fun Park

**WEEK 3**

Duration: November 26 - December 1, 2007

Venue: DWRDM, IIT Roorkee

HOURS/DAY	9H00-10H00	10H00-11H00	11H00-12H00	12H00-13H00	14H00-15H00	15H00-16H00	16H00-17H00
Mon, Nov 26	Introduction to Economics, Social and the GW game:	Economics and the GW game:	The Game (SK/SJK/JN)				
Tue, Nov 27	The sociology of GW Governance (DP)	Case Studies: Class, income, gender and GW outcomes (DP)	Key lessons in the economics of GW (SK/JN) + 15 minutes video (AM)				
Wed, Nov 28	GW and the 'problem of the commons' learning exercise (JN)	Rules for approaching GW governance (JN)	Options when the	Theoretical Perspectives in		An Introduction to Village Field Studies: NB	
Thu, Nov 29	Basic statistics and research methods in economics (UA)	Research methods in sociology and social anthropology (VS)		Tutorial: Design of questionnaires and interview schedules (AM)			
Fri, Nov 30	Village field visit and field work (conducting PRA activities and questionnaire surveys) (AM/NB)						
Sat, Dec 1	Basic Data Analysis using SPSS - KS			Tutorial: A set of exercises based on real data. Some questions could be: Do pump owners differ significantly from the non-pump owners, if yes, how? What determines pump density in a region? Is groundwater use limited to canal command areas? (AM/JA)			

December 2, - From Roorkee, Proceed to New Delhi; Senior Fellows Join

**WEEK 4**

Duration: December 3 - December 11, 2007

Venue: NAAS Lecture Hall, NASC Complex, New Delhi

HOURS/DAY	9H00-10H00	10H00-11H00	11H00-12H00	12H00-13H00	14H00-15H00	15H00-16H00	16H00-17H00
Mon, Dec 3	Introduction to GW institutions, policies and governance (TS)	Institutional Economics of water: RMS		GW and Poverty: AM	Land tenure & GW rights: RMS		
Tue, Dec 4	GW institutions in West Bengal (AM)	Economic institutions of GW irrigation, Punjab, Pakistan: AHK		Shared Tubewells in Indian Punjab: RT	GW Institutions in Nepal: terai: DR		
Wed, Dec 5	Bottom-up GW governance : The case of Anwar River Parliament: RS/ MS	Community management of GW: AP Farmer managed GW systems: PSR		Changing profile of GW irrigation institutions in	The dynamics of GW markets in		
Thu, Dec 6	GW Management in Australia: JM	GW Regulation in North China Plains, How effective it is: JW		The dynamics of GW markets in North china	GW Management in Australia: JM		
Fri, Dec 7	Physical Approaches to GWG: DNK	Adaptive Approaches of GW governance: SMK		Energy Irrigation Nexus: TS, BRS, AM, SM	Pump Irrigation & Politics: TS, AM		
Sat, Dec 8	1. Planning Meet for CCR of JPRF: AM/ JW/ SM/ DR/ AN/MJ/ BRS/ TS 2. Planning Meet for SPRF visit to Australia: JM/ BRS/ TS						
Sun, Dec 9	Free Time for Delhi visit (SPRF depart for homebases; Sessions in Australia begin January 16, 2008)						
Mon & Tue, Dec 10 & 11	Planning Meet for CCR Workshop for JPRFs with site coordinators and resource persons: AM/BRS/ SM/ JW/MJ/AN etc.						

December 12, 13 2007 - JPRFs/MFs depart for their homebases; CCR December 24, 2007 onwards

**FULL NAMES**

AHK	Abdul Hakeem Khan	RS	R Sakthivadivel
AK	Amit Khare	RS	Rajendra Singh
AKR	Ashwini Kumar	RSC	R S Chatterjee
AM	Aditi Mukherji	RT	Rakesh Tiwary
AN	Aamir Nazeer	SAK	S A Kulkarni
AS	Alok Sikka	SHK	Shilp Kumar
BRS	Bharat Raj Sharma	SJ	Sharad Jain
DK	Deepak Kashyap	SK	Sunderrajan Krishnan
DNK	Dinesh Kumar	SKB	S K Bartarya
DP	Dhruba Pant	SKG	S K Gupta
DR	Dibya Ratna Kansakar	SKS	S K Srivastava
HWP	Hao Wei Ping	SM	Sattar Mandal
JM	Jennifer McKay	SMK	Srinivas Mudrakartha
JN	James Nachbaur	SS	Sudhendra Sharma
JW	Jinxia Wang	ST	Sangharsh Tripathy
KS	Kulnar Singh	TS	Tushar Shah
MB	Meena Bisht	UA	Upali Amaresinghe
MJ	Menggui Jin	VS	Vinay Srivastava
MK	Manoj Kumar		
MR	Mala Ranawake		
MRS	MS Rathore		
MSG	MS Gill		
NB	Nitin Bassi		
PKC	P K Champati Ray		
PSR	P S Rao		
RA	Rajen Aggarwal		
RCL	R C Lakhera		
RMS	R Maria Saleth		
RN	Ravindranath		