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International Atomic Energy Agency

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Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

FAX Cover Sheet

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Reference: C1-RAS7022

Subject: IAEA/RCA Technical Meeting on Processing, Analysis, and Interpretation of Isotopic and Hydrogeochemical Data for Groundwater Dynamics and Recharge, 4-8 November 2013, Beijing, China

Dear National RCA Representatives,

In accordance with the plan of activities of the RCA Programme in 2013, I am inviting your Government to submit nominations for the above-mentioned event, details of which and requirements for participation are given in the attached Information Sheet.

Please inform us **not later than 7 September 2013** of suitable candidates for this event with the duly completed and endorsed nomination form. The event is also published in the In-Touch, so it is possible to submit the nominations through the In-Touch platform. Kindly note that the holding of the above Meeting will be subject to the official confirmation of the Government of China.

Thank you for your cooperation.

Best regards,

Kesrat Sukasam
RCA Focal Person
Division for Asia and the Pacific

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International Atomic Energy Agency

IAEA/RCA Technical Meeting on Processing, Analysis, and Interpretation of Isotopic and Hydrogeochemical Data for Groundwater Dynamics and Recharge Rate

INFORMATION SHEET

**Project Number
and Title:**

RAS/7/022, Applying Isotope Techniques to Investigate Groundwater Dynamics and Recharge Rate for Sustainable Groundwater Resource Management.

Place:

Beijing, China

Dates:

4-8 November 2013

**Deadline for
Nominations:**

7 September 2013

Language:

English

Organizers:

The International Atomic Energy Agency (IAEA) in cooperation with the Government of China

**Host Country
Organizer:**

Prof. Pang Zhonghe.
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Purpose:

The main purpose of the meeting is to discuss results and technical achievements in the field studies under the RAS7022 project and possible improvements with specific objectives to:

- discuss and share experience in application of isotopes and other tools, technical problems faced and possible solutions, and interpretation of datasets toward the deliniation of groundwater dynamics and recharge rate in the participating Member States for sustainable groundwater resource management.

- discuss use of new tracers such as Rn-222, Cl-36, H-3/He-3, CFC etc and their suitability for promotion and wider utilization among RCA Member States and mechanisms for TCDC.

**Expected
Outputs:**

The expected outputs of the meeting will include:

- A meeting report containing information on the project progress and guidelines on wider use of isotope and other tracers, and data interpretation for investigation of groundwater dynamics and recharge rate.
- An updated action plan outlining the scope of regional activities: meetings, information sheet for meetings; terms of reference for expert missions; requirements for isotope analytical services.
- Updated national work plan from each participating country presenting planning and timelines for the essential elements of respective projects.

**Scope and
Nature:**

The format of the meeting will involve:

- Presentations by the participants of all the technical details of their on-going projects including study area, issues being addressed, hydrogeology, techniques applied/planned, sampling, data generated, interpretation, results achieved so far, problems faced and possible solutions.
- Discussion on each presentation and suggestions from the group to refine interpretation and work plan
- General discussion on suitability of techniques and new tracers, TCDC activities, and requirements for successful implementation of the project
- Discussions and finalization of national work plans and regional activities for the remaining period of the project
- Preparation of the meeting report and guidelines/recommendations for effective use of isotope techniques and other tools to investigate groundwater dynamics and recharge rate.

**Background
Information:**

Water is one of the core elements of human existence. Over the last several decades, surface and groundwater resources are increasingly under pressure for a number of reasons such as increasing demand for food, increasing urbanization and industrialization. Groundwater resources are often the only source of reliable clean water in many parts of the world. Very often, the sustainable use of groundwater is limited by both water quality and quantity. The quality is mainly affected by untreated industrial and urban waste disposal, agrochemicals and mobilization of geogenic contaminants. Good quality aquifers are depleting due to over exploitation. Study of

recharge rate and dynamics of groundwater is the most important for effective addressing of issues related to contamination, aquifer potential for sustainable exploitation and climate change impacts. For dating of groundwater, especially the shallow groundwater aquifers, it has become very difficult to interpret very low level tritium data. Therefore other tools like Rn-222, CFC, H-3/He-3 need to be integrated for dating of groundwater, which can also be used to quantify recharge and discharge and groundwater mapping.

Participation:

The meeting is open to one participant (National Project Coordinator/ or senior National Project Team member) from each participating RCA Member State in the project.

**Participants’
Qualifications:**

The participant should have direct and first-hand detailed information of the technical activities, on-going as well as planned. The person should be able to present and discuss extensively all the technical work and interpretation done so far, as well as future work required for full accomplishment of the project objectives. As the meeting will be conducted in English, participants must be proficient in English. National Project Coordinator/ team member, responsible for fieldwork and data interpretation, is eligible to participate in this meeting.

**Nomination
Procedure:**

Nominations (**including those of local participants**) should be submitted on the standard IAEA Nomination Form for Meeting/Workshop and National Consultant (available on the IAEA web-site: <http://www.iaea.org/>). Completed forms should be endorsed by relevant national authorities and returned to the Agency through official channels, i.e. the office of the National RCA Representative.

The applications should contain sufficient information to establish the nominees have the required qualifications. The nominated candidate may not be selected if sufficient information is not provided.

Applications must be received by the International Atomic Energy Agency, P. O. Box 100, A-1400 Vienna Austria, not later than **7 September 2013**. Nominations received after this date or which have not been routed through established official channels, cannot be considered.

Advanced nominations through facsimile (+43-1-2600-7), or e-mail (Official@iaea.org) are welcomed. The facsimile / e-mail should contain the following basic information about the candidate: name, date of birth, academic qualifications, and current position including the exact nature of the duties carried out, proficiency in English and full contact address including telephone/email/facsimile numbers.

**Training on Basic
Security in the Field**

(BSITF):

It is recommended that the meeting participants complete the courses *Basic Security in the Field: Safety, Health and Welfare (BSITF)* and *Advanced Security in the Field (ASITF)*, prior to traveling to locations where UN security phases are in effect. The aim of these courses is to educate participants on how best to avoid or minimize potential dangers and threats, and to show what individuals can do if they find themselves in insecure situations.

The courses are available on the following UN websites that can be accessed using Microsoft Internet Explorer:

- BSITF: <http://dss.un.org/BSITF/>
- ASITF: <http://dss.un.org/ASITF/>

If you have difficulty using the websites, a CD-ROM can be obtained from your IAEA National Liaison Officer or from IAEA.

Once the candidate has completed the courses and passed the accompanying exams, certificates will be generated automatically and must be printed for submission to the IAEA (either as an e-mail attachment or by fax). Copies of the certificate should be kept by the candidate for his / her records, as they are valid for a period of three years.

**Administrative
and Financial
Arrangements:**

Nominating Governments will be informed in due course of the names of the candidates who have been selected and will, at that time, be given full details on the procedures to be followed with regard to administrative and financial matters.

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to **Beijing, China** and a stipend sufficient to cover the cost of their accommodation, food, and minor incidentals. Shipment of accumulated meeting materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the meeting do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

NOMINATION FOR MEETING/WORKSHOP and NATIONAL CONSULTANT <small>Note: This form is only to be used for Technical Cooperation Meetings/Workshops and National Consultant missions.</small>	
The Government (nominating authority) of _____ (country) nominates the person indicated below for the following event (please specify title, place, dates, project number):	
<input type="checkbox"/> Female <input type="checkbox"/> Male	Date of birth:
Family name (as in passport):	Place of birth:
First name:	Nationality:
Complete mailing address (office):	Passport No.:
Inst. Name:	Date of issue:
	Place of issue:
Street:	Valid until:
P.O. Box:	Telephone (office):
Post Code:	Telephone (home):
Town/City:	Fax:
Region/District:	e-mail:
Country:	WEB page:
Airport/town nearest to residence:	Emergency Phone:
Main academic/technical qualification:	
Language Ability The nominating authority confirms that the nominee is proficient in the language in which the event is held. <input type="checkbox"/> yes	
Current employment	
Name and place of employer/organization:	
Title of position:	Type of work:
Description of work (Past work done by the nominee which is relevant to the Meeting/Workshop/National Consultancy)	
Health (mandatory for health insurance purposes) Is the nominee in general good health: <input type="checkbox"/> yes <input type="checkbox"/> no The nominee is only covered under the health insurance policy if he/she does not have a medical condition which excludes him/her from travelling and performing this assignment:	
A medical certificate is required for any nominee over 60 years of age, stating that he/she is in good health and able to undertake the mission	
Is the nominee covered under a radiation surveillance programme? <input type="checkbox"/> yes <input type="checkbox"/> no	
Involvement in IAEA-supported activities (Please mark any previous activities) <input type="checkbox"/> Expert Mission <input type="checkbox"/> Training Course <input type="checkbox"/> Workshop/Meeting <input type="checkbox"/> Fellowship/Scientific Visit <input type="checkbox"/> Research Contract	
STATEMENT The nominating authority gives the following assurances: a) All information supplied in this form is complete and correct; b) It is noted that the sponsoring organization(s), host country(ies) and host institution(s) do not accept liability for the payment of any costs or compensation arising from damage to or loss of personal property, or from illness, injury, disability or death of the nominee while he/she is travelling to and from or attending the Meeting/Workshop/National Consultancy and it, the nominating authority, undertakes the responsibility for such coverage; c) The position of the nominee will be retained for him/her and he/she will continue to receive during the Meeting/Workshop/National Consultancy a salary and related emoluments to enable him/her to meet his/her financial commitments in his/her home country; d) The selected nominee will conduct himself/herself in a manner compatible with his/her status as a participant in an IAEA event and will refrain from engaging in any political and commercial activities; e) No facts are known to the nominating authority regarding the reliability and character of the nominee which would obstruct giving him/her access to nuclear installations or institutions where ionizing radiation is used;	
Date	Name and title (printed) and signature of nominating authority official

P-2 TCPH/MW E/REV.4 (JUNE 05)

National RCA Representatives

COUNTRY	NAME
AUSTRALIA	Mr. Steven MCINTOSH
BANGLADESH	Mr. A.S.M. FIROZ
CHINA	Mr. LIU Yongde
INDIA	Dr. B. PURNIAH
INDONESIA	Dr. Anhar Riza ANTARIKSAWAN
KOREA, REP. OF	Mr. Dae-Ki KIM
MALAYSIA	Dr. Dahlan MOHD
MONGOLIA	Mr. Tseren DAMDINSUREN
MYANMAR	Dr.Khin Maung LATT
NEPAL	Mr. Navin Kumar DEVKOTA
NEW ZEALAND	Mr. Christopher DAUGHNEY
PAKISTAN	Mr. Waqar AHMAD
PHILIPPINES	Dr. Alumanda DELA ROSA
SRI LANKA	Mr. D.G.L. WICKRAMANAYAKA
THAILAND	Mr. Suphan SEANGTHONG
VIETNAM	Dr. Voung Huu TAN