

**IAEA**

International Atomic Energy Agency

الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

FAX Cover Sheet

Page 1 of 13 total pages**Date** 04-04-2013**Addressee(s):**

AS PER ATTACHED LIST

External Information Copies:

AS PER ATTACHED LIST

Reference: C7-RAS7022

Subject: IAEA/RCA Regional Training Course on Groundwater Dynamics using Isotopes and other Tools, 5-9 August 2013, Colombo, Sri Lanka

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 sheet.

Please inform us **not later than 15 May 2013** of suitable candidates for this event with the duly completed and endorsed nomination form. Kindly note that the holding of the above Training Course will be subject to the official confirmation of the Government of Sri Lanka.

Thank you for your cooperation.

Best regards,

Kesrat Sukasam
RCA Focal Person
Division for Asia and the Pacific

In case of incomplete transmission, please call +43 1 2600 ext 24295

Asia and the Pacific

Vienna International Centre, PO Box 100, 1400 Vienna, Austria

Phone: (+43 1) 2600 • Fax: (+43 1) 26007 • E-mail: Official.Mail@iaea.org • Internet: <http://www.iaea.org>

International Atomic Energy Agency

IAEA/RCA Regional Training Course on Groundwater Dynamics using Isotopes and other Tools

PROSPECTUS

**Project Number
and Title:**

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

Place:

Colombo, Sri Lanka

Dates:

5-9 August 2013

**Deadline for
Nominations:**

15 May 2013 (Please note that it will not be possible to consider the applications received after the deadline due to administrative reasons.)

Organizers:

The International Atomic Energy Agency (IAEA) in cooperation with the Atomic Energy Authority, Sri Lanka.

**Host Country
Organizer:**

Mr. E.A.N. Viraj Edirisinghe,
Atomic Energy Authority of Sri Lanka,
60/460, Baseline Road,
Orugodawatta, Wellampitiya,
SRI LANKA
Tel.: 0094112533427
Fax: 0094 112533448
E-mail: viraj@aea.gov.lk

Language:

English

Purpose:

To provide training on interpretation of isotope data into groundwater age using lumped parameter models and understanding of groundwater dynamics.

**Expected
Output:**

The expected output is to have increased human capability in Member States to apply isotopes techniques in water resources assesment and management with special emphasis on groundwater dating and dynamics

**Scope and
Nature:**

The course will be composed of a series of lectures on groundwater dating and dynamics, data interpretation, and hands-on training on the

use of software for groundwater age interpretation. Participants are required to make presentations of their own work in the country project during the training course.

**Background
Information:**

Groundwater resources are vital but increasing stress on these resources requires better understanding of the dynamics of these resources. Age tracer methods can provide invaluable information that is not possible to acquire with other conventional hydrologic methods. Recent changes in environmental tracer concentrations, in particular the fading of the bomb tritium from the hydrologic systems, enable now for much improved interpretation of tracer concentration into hydrologically relevant parameters. To enable full benefit of the age and complementary tracer methods, the Member States in the RCA region need to become aware of these new opportunities, and be trained in their application. The proposed project aims to enable RCA Member States to use isotope techniques for advanced understanding of groundwater dynamics. It is foreseen that age tracer data collected in previous projects will provide additional data for obtaining time series data for constraining groundwater flow models.

Participation: The training course is open to maximum two participants from each IAEA Member State in the Asia and the Pacific region participating in RCA Project: RAS/7/022. The candidates should be project team members. Priority will be given to mid-career and junior professionals.

Participants'

Qualifications: The participants should have degree in hydrology/ hydrogeology/ natural sciences/ physical sciences/engineering and basic knowledge of isotope hydrology. The course is aimed at persons who already have some formal training and experience in application of isotope hydrology methods for understanding groundwater processes as demonstrated by their track record.

The participants will need to bring a laptop to the course. To enable for efficient implementation of the methods, hands-on exercises with real field examples of the participants will be used. For this purpose, each participant will need to have prepared a compilation of previous age tracer data from the study site and any other areas in their countries, and have prepared a tritium input function for their study area (extrapolated from nearby WISER stations) in an excel file with annual resolution. This data will be part of the application process.

**Nomination
Procedure:**

Nominations (**including those of local participants**) be submitted on the standard IAEA Application Form for Training Courses (available on the IAEA web-site: <http://www.iaea.org/technicalcooperation/How-to-take-part/index.html>). 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 that the nominees have the required qualifications including track record in application of isotope hydrology methods, and the age tracer data and input functions (excel file). 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 **15 May 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.

**Security in the
Field:**

It is recommended that the training course 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 the training venue and a stipend sufficient to cover the cost of their accommodation, food, and minor incidentals. Shipment of accumulated training course materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the training course 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.

SAMPLE FORM (2 PAGES): which can be downloaded from the website:

<http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html>



INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA)
WAGRAME STRASSE 5, P.O. Box 100, A-1400 VIENNA (AUSTRIA)
TELEPHONE (+43 1) 2600, FACSIMILE: (+43 1) 26007
E-MAIL: Official.Mail@iaea.org, TC WEB SITE: http://www-tc.iaea.org

NOMINATION FOR TRAINING COURSE

Note: This form cannot be used to apply for a fellowship or scientific visit

The Government of

nominates the following candidate for the **Training Course** on (indicate short title, place, dates, project/course number):

<input type="checkbox"/> Female <input type="checkbox"/> Male		Date of birth:	Recent photograph of candidate
Family name:		Place of birth:	
(as in passport)		Nationality:	
First name:		Passport No.:	
Complete mailing address (office):		Date of issue:	
Inst. Name:		Place of issue:	
Street:		Valid until:	
P.O. Box: Post Code:		Telephone (office):	
Town/City:		Telephone (home):	
Region/District:		Fax:	
Country:		e-mail:	WEB Page:
Airport/town nearest to residence:		Emergency phone:	

EDUCATION (commencing with secondary school)

Years attended		Name and place of institution	Field of study	Diploma or degree
from	to			

RECENT EMPLOYMENT RECORD

Years of service		Name and place of employer/organization	Title of position	Type of work
from	to			

DESCRIPTION OF WORK

Type of work done by the candidate during the past 3 years (Please attach list of any material the candidate may have published)

Is the candidate covered under a radiation surveillance programme in his/her home country? ☐ yes ☐ no

Has the candidate been, or will he/she be, involved in any IAEA-supported Technical Co-operation project? (Please identify project and describe the nature of the candidate's involvement.)

PREVIOUS PARTICIPATION IN AN IAEA ACTIVITY:				
Has the candidate participated in a previous IAEA activity? If yes, please list each activity below: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>				
RELEVANCE OF THE TRAINING:				
How is the Government going to make use of the training received by the candidate at the course? <div style="border: 1px solid black; height: 20px; width: 100%;"></div>				
LANGUAGE CERTIFICATE:				
I, as a qualified language examiner, hereby certify that I have examined the above candidate and give the following information on his/her language qualification:				
(a) Mother tongue of the candidate	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>			
(b) Other languages	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>			
(c) Language of the course	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>			
Proficiency in the language of the course	Read	Write	Speak	Understand
	<input type="checkbox"/> Good	<input type="checkbox"/> Good	<input type="checkbox"/> Good	<input type="checkbox"/> Good
	<input type="checkbox"/> Average	<input type="checkbox"/> Average	<input type="checkbox"/> Average	<input type="checkbox"/> Average
	<input type="checkbox"/> Poor	<input type="checkbox"/> Poor	<input type="checkbox"/> Poor	<input type="checkbox"/> Poor
Date		Name (printed) and signature of examiner		
MEDICAL CERTIFICATE:				
I, as a qualified medical doctor, hereby certify that I have examined the above candidate and found him/her in good health, free from infectious diseases and able physically and mentally to carry out any relevant duties away from his/her home.				
Date		Name (printed) and signature of examining physician		
GOVERNMENT STATEMENT:				
The nominating Government gives the following assurances:				
a) All information supplied in this form is complete and correct.				
b) Should the candidate's language qualification prove to be insufficient or should the candidate's state of health not correspond to the examining physician's statement, then the nominating Government will accept the responsibility for the consequences and any costs arising therefrom.				
c) 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 a participant while he/she is travelling to and from or attending the training course, and it, the nominating Government, undertakes the responsibility for such coverage.				
d) The position of the candidate will be retained for him/her and he/she will continue to receive during the training course a salary and related emoluments to enable him/her to meet his/her financial commitments in his/her home country.				
e) If selected, the nominee will conduct himself/herself in a manner compatible with his/her status as a participant and will refrain from engaging in any political and commercial activities.				
f) No facts are known to the Government regarding the reliability and character of the applicant 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 certifying Government official		



REGIONAL COOPERATIVE AGREEMENT (RCA)

INSTRUCTIONS FOR SUBMISSION OF APPLICATIONS FOR PARTICIPATION IN RCA REGIONAL TRAINING COURSES.

Purpose of these instructions

The RCA Secretariat has been facing numerous difficulties in selecting participants for RCA Regional Training Courses and making administrative arrangements for their participation, due to lack of sufficient information about the nominees. The purpose of these Instructions is to assist the nominees of RCA Regional Training Courses to provide the information needed by the RCA Secretariat for the above purposes.

Purpose of RCA Regional Training Courses

The purpose of the RCA Regional Training Courses is to provide skills and knowledge required by the participants from the RCA Member States to implement planned activities that would lead to achieving the objectives of the project under which the Training Course is held. The participants should be members of the National Project Teams engaged in implementing the relevant project, under the leadership of the National Project Coordinators. Those who are not actively engaged in project activities would not be eligible for participation. (Please see Sections 3.3 and 3.4 of RCA Guidelines and Operating Rules for further information on the responsibilities of National Project Coordinators and National Project Teams.)

Instructions

1. The information requested should be typed (preferred) or printed legibly in ink. (The Nomination Forms can be downloaded from the IAEA TC web-site <http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html>).
2. Please provide sufficient information to indicate that you have the qualifications specified in the Prospectus of the Training Course. Proper descriptions of the work you are engaged in and the relevance of this training are essential in this regard. You may use additional pages as annexes if necessary.
3. Please make sure the completed Nomination Forms are submitted to the IAEA before the deadline stipulated in the Prospectus. It would not be possible to consider late nominations due to administrative reasons.
4. Please attach a copy of the BSTIF (Basic Security in the Field) certificate to your application. The details can be found in the Prospectus of the Training Course.
5. Please pay special attention to the following
 - a) Description of Work
The description of work should include the activities you are engaged in relation to the RCA project under which this Training Course is conducted. The information provided

should be sufficient to indicate that you are actively engaged in implementing project activities in your country.

b) Relevance of the Training

Please indicate how this training will enable you to implement the activities of the project under which the Training Course is held, according to the National Work Plan of the project.

c) Contact Details

Please provide current and accurate contact details including your FAX and phone numbers and the e-mail address. Your name should be as it appears in your Passport. Inaccurate or illegible contact details and other information would prevent us from contacting you and making the necessary arrangements for your participation in the Training Course.

6. The Language Certificate and the Medical Certificate are mandatory
7. The Government Statement should be signed by the National RCA Representative or a person authorized by your Government to request Technical Cooperation support from the IAEA.



REGIONAL COOPERATIVE AGREEMENT (RCA)
Nomination of participants for RCA Regional Training Courses

Approval of the National RCA Representative

In accordance with Section 4.2 (p) of the RCA Guidelines and Operating Rules*, I hereby approve the nomination ofwho has been selected in consultation with the National Project Coordinator for participation in the RCA Regional Training Course on. The nominee is employed in a work area related to this Training Course and is a member of the National Project Team of the RCA Project under which this Training Course is held.

Name:

Signature:

Date:

*** Section 4.2 (p) of RCA Guidelines and Operating Rules**

4.2 Appointment, Roles and Responsibilities of National RCA Representatives

(p) Nominate suitably qualified persons for participation in RCA events and activities in consultation with the respective National Project Coordinators and ensure that they are employed in appropriately related work areas, and are members of the Project Teams;

National RCA Representatives

COUNTRY	NAME	FAX NUMBER
BANGLADESH	Mr. A.S.M. FIROZ	+880 2 8141843
CHINA	Mr. LIU Yongde	+86 10 885 81516
INDIA	Dr. B. PURNIAH	+91 22 2250 5151
INDONESIA	Dr. Anhar Riza ANTARIKSAWAN	+62 21 525 1110
KOREA, REP. OF	Mr. Seung Ho HONG	+ 822 2100 6706
MALAYSIA	Dr. Dahlan MOHD	+60 3 892523827
MONGOLIA	Mr. Tseren DAMDINSUREN	+976 11 329019
MYANMAR	Dr.Khin Maung LATT	+95 67404277
NEPAL	Mr Navin Kumar DEVKOTA	+97714211754
PAKISTAN	Mr. Waqar AHMAD	+92 51 920 4908
PHILIPPINES	Dr. Alumanda DELA ROSA	+63 2 920 1646
SRI LANKA	Mr. D.G.L. WICKRAMANAYAKA	+94 11 2533448
THAILAND	Mr. Suthiweth SAENGCHANTARA	+662 561 4069
VIETNAM	Dr. Voung Huu TAN	+84 4 3942 2756

Permanent Missions RCA Member States

COUNTRY	FAX NUMBER
CHINA	370 6626
INDIA	505 92 19
INDONESIA	479 05 57
KOREA, REP. OF	478-1013
MALAYSIA	505 79 42
MONGOLIA	535 280 720
PAKISTAN	367 1831 / 368 7376
PHILIPPINES	533240124
SRI LANKA	5037993
THAILAND	4782907
VIETNAM	3680754
Permanent Missions Outside Vienna	
BANGLADESH	+41 22 738 4616
MYANMAR	+49 30 20 61 57 20
NEPAL	+41 22 733 2722