



**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** 10-12-2012

**Addressee(s):**

AS PER ATTACHED LIST

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**Reference: C7-RAS7021**

**Subject: IAEA/RCA Regional Training Course on the analysis of marine radioactivity with application of radio-analytical procedures on environmental marine samples, 15-25 April 2013, Xiamen, Peoples' Republic of China**

Dear National RCA Representatives and National Project Coordinators,

In accordance with the agreed plan of activities of the RCA project – Marine benchmark study on the possible impact of the Fukushima radioactive releases in the Asia-Pacific Region (RAS/7/021), 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 Prospectus.

Please inform us not later than **25 January 2013** of suitable candidates for this event with the duly completed and endorsed nomination form. Kindly note that the holding of the above training will be subject to the official confirmation of the Government of Peoples' Republic of China.

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**

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## **International Atomic Energy Agency**

### **IAEA/RCA Regional Training Course on the analysis of marine radioactivity with application of radio-analytical procedures on environmental marine samples**

#### **PROSPECTUS**

**Project Number**

**and Title:**

RAS/7/021 – Marine benchmark study on the possible impact of the Fukushima radioactive releases in the Asia-Pacific Region (RCA)

**Place:**

Xiamen, Peoples' Republic of China

**Dates:**

15-25 April 2013

**Deadline for**

**Nominations:**

**25 January 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 Government of the Peoples' Republic of China

**Host Country**

**Organizer:**

Ms Wen Yu  
Third Institute of Oceanography  
State Oceanic Administration (SOA)  
184 Daxue Road  
361005 XIAMEN  
CHINA  
Tel.: 0086 10 5922195262  
Fax: 0086 10 62782658  
EMail: yuwen01@tsinghua.org.cn

**Language:**

English

**Purpose:**

The purpose of the training course is to provide participants with specific training in the theoretical background, practical applications and interpretation of state-of-the-art radio-analytical methods using conventional co-precipitation and/or cartridge-based techniques, for the determination of radionuclides in marine environmental samples, i.e. sediments, seawater and biota.

**Expected**

**Output:**

Participants will acquire:

- enhanced knowledge of the input, fate and behaviour of radionuclide contaminants in marine systems;

- practical experience in the application of radio-analytical methodologies for measurements (chemical separation and radiometry) of radionuclides in marine environmental samples, i.e. sediments, seawater and biota;
- practical experience in uncertainty calculations appropriate to radiochemical analyses.
- basic introduction to Quality Management Systems for radioactivity measurements and calibration of measurement systems

Following this training the participants will be expected to undertake a series of sampling and analyses on radionuclides on marine samples and disseminate this information via local training workshops in their own countries to their National Project Team.

**Scope and Nature:**

The course will be composed of a series of lectures on sources, fate, behaviour and analysis of artificial radionuclides in marine environments; laboratory radio-analytical sessions for sediments and biota, and conventional co-precipitation and cartridge-based techniques for seawater; and workshops on uncertainty calculations and QA/QC. Each participating country will be provided with printed lectures notes and laboratory protocols – also distributed on CD-ROM or USB-device at the end of the course. Participants will be assessed on their acquired knowledge on the completion of the course.

**Background Information:**

In view of the Fukushima Daiichi nuclear power plant accident of March 2011, the Member States of the Regional Co-operative Agreement for Research, Development and Training Related to Nuclear Science and Technology (RCA) have requested a new RCA project in support of a marine benchmark study on the possible impact of the Fukushima radioactive releases in the Asia-Pacific Region. The proposed project aims to enable RCA Member States to evaluate the extent and the possible impact of the releases of radioactivity from the Fukushima Daiichi nuclear power plant into the marine environment and to make scientific assessments of the data.

A number of training courses have been organized, including the training course on Quality Management Systems (QMS) including the ISO 17025 standard and data management in ROK (April 2012) and the meeting on QMS and data management in Monaco (November 2011). This training course builds also on the knowledge provided by the previous courses.

This training course is specifically aimed at countries that do not already have established capabilities in collection and/or analysis of seawater radionuclides using conventional co-precipitation and/or cartridge-based techniques, as well as sediments and biota. The training is needed to assist participating countries to rapidly acquire

these capabilities to obtain quality assured data in National projects and contribute to the ASPAMARD database, an essential component for implementation of the regional project.

**Participation:** The RTC is open for the RAS/7/021 participating countries that do not have established capabilities in collection and/or analysis of radionuclides using conventional co-precipitation and/or cartridge-based techniques, as well as for sediments and biota. A maximum of up to 20 participants are expected to participate, however one participant per eligible country. The candidates must be members of the National Project Teams and involved in collection and/or analyses of radionuclides in the marine environment.

**Participants' Qualifications:** The course is aimed at persons who already have some formal training (degree/diploma) in biological or environmental science and/or experience in environmental management and QMS 17025, or who will be responsible for the monitoring and/or analysis of radionuclides and/or in the marine environment. The nominated person does not need to have prior experience with radiochemical sampling and/or analyses, however, this would be highly desirable.

**Nomination Procedure:** Nominations (**including those of local participants**) should 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/train-course/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 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 **25 January 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 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 **Xiamen, Peoples' Republic of China** 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)  
 WAGRAMER 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 Family name: (as in passport) First name: <b>Complete mailing address (office):</b> Inst. Name:  Street: P.O. Box:                      Post Code: Town/City: Region/District: Country: <b>Airport/town nearest to residence:</b>	Date of birth: Place of birth: Nationality: Passport No.: Date of issue: Place of issue: Valid until: Telephone (office): Telephone (home): Fax: e-mail: WEB Page: Emergency phone:	Recent photograph of candidate
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### 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.)

<b>PREVIOUS PARTICIPATION IN AN IAEA ACTIVITY</b>				
Has the candidate participated in a previous IAEA activity? If yes, please list each activity below.				
<input type="checkbox"/> <input type="checkbox"/>				
<b>RELEVANCE OF THE TRAINING</b>				
How is the Government going to make use of the training received by the candidate at the course?				
<input type="checkbox"/> <input type="checkbox"/>				
<b>LANGUAGE CERTIFICATE</b>				
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		.....		
(b) Other languages		.....		
(c) Language of the course		.....		
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		
<b>MEDICAL CERTIFICATE</b>				
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.				
<input type="checkbox"/> <input type="checkbox"/>				
Date		Name (printed) and signature of examining physician		
<b>GOVERNMENT STATEMENT</b>				
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, 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 if, 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		

TC-3 E/Rev. 7 (Mar. 01) Old forms (TA-3 E, TA-3 E/Rev. 1-6) should be discarded and not used.



## 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 of .....who 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
<b>BANGLADESH</b>	Mr. A.S.M. FIROZ	+880 2 8141843
<b>CHINA</b>	Mr. LIU Yongde	+86 10 885 81516
<b>INDIA</b>	Dr. B. PURNIAH	+91 22 2250 5151
<b>INDONESIA</b>	Dr. Anhar Riza ANTARIKSAWAN	+62 21 525 1110
<b>KOREA, REP. OF</b>	Mr. Seung Ho HONG	+ 82 2 2100 6706
<b>MALAYSIA</b>	Dr. Dahlan MOHD	+60 3 892 523 827
<b>MYANMAR</b>	Dr.Khin Maung LATT	+95 6 740 4277
<b>NEPAL</b>	Mr. Anil Kumar POKHAREL	+977 1 421 1754
<b>PAKISTAN</b>	Mr. Waqar AHMAD	+92 51 920 4908
<b>PHILIPPINES</b>	Dr. Alumanda DELA ROSA	+63 2 920 1646
<b>SINGAPORE</b>	Mr. Kok Kiat ANG	+65 673 19 585
<b>SRI LANKA</b>	Mr. D.G.L. WICKRAMANAYAKA	+94 11 2533448
<b>THAILAND</b>	Dr. Chaivat TOSKULKAO	+662 561 4069
<b>VIETNAM</b>	Dr. Voung Huu TAN	+84 4 3942 2756

## Representatives/National Project Coordinators

<b>CAMBODIA</b>	Mr. Lean TUN	+855 232 18 634
<b>COOK ISLANDS</b>	Mr Tangata VAEAU	+682 29 100
<b>FIJI</b>	Mr. Jone SALABUCO	+679 330 8856
<b>KIRIBATI</b>	Mr. Farran REDFERN	+686 28334
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<b>PALAU</b>	Mr. Yimnang GOLBUU	+680 488 6951
<b>SOLOMON ISLANDS</b>	Mr. John KORINIHONA	+677 25811

## Permanent Missions RCA Member States

COUNTRY	FAX NUMBER
<b>CHINA</b>	370 6626
<b>INDIA</b>	505 92 19
<b>INDONESIA</b>	479 05 57
<b>KOREA, REP. OF</b>	478-1013
<b>MALAYSIA</b>	505 79 42
<b>PAKISTAN</b>	367 1831 / 368 7376
<b>PHILIPPINES</b>	533 240 124
<b>SRI LANKA</b>	503 7993
<b>THAILAND</b>	478 2907
<b>VIETNAM</b>	368 0754
<b>Permanent Missions Outside Vienna</b>	
<b>BANGLADESH</b>	+41 22 738 4616
<b>MYANMAR</b>	+49 30 20 61 57 20
<b>SINGAPORE</b>	+41 22 796 8078