



**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

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Date 15-08-2011

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Reference: C1-RAS8111

**Subject: IAEA/RCA Final Progress Review Meeting, 12-16 December 2011,  
Chiangmai, Thailand**

Dear National RCA Representatives,

In accordance with the plan of activities of the RCA Programme in 2011, 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 30 September 2011** of suitable candidates for this event with the duly completed and endorsed nomination form. Kindly note that the holding of the above Meeting will be subject to the official confirmation of the Government of Thailand.

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 Final Progress Review Meeting**

### **INFORMATION SHEET**

**Project Number  
and Title:**

RAS8111: Diagnosing Industrial Multiphase Systems by Process Visualization using Radiotracers and Sealed Sources (RCA)

**Place:**

Chiangmai, Thailand

**Dates:**

12-16 December 2011

**Deadline for  
Nominations:**

**30 September 2011** (Please note that it will not be possible to consider the applications received after the deadline due to administrative reasons.)

**Language:**

English

**Organizers:**

The International Atomic Energy Agency (IAEA) in cooperation with the Government of Thailand through the Office of Atom for Peace (OAP)

**Local Organizer:**

Mr. Siripone Chueinta (T043973)  
Thailand Institute of Nuclear Technology  
Vibhavadi-Rangsit Road  
Chatuchak, Bangkok 10900  
Tel. 662 5798252  
Fax: 662 5790220  
E-mail: [siripone@tint.or.th](mailto:siripone@tint.or.th)

**Purpose:**

The overall objective of the meeting is to: review project activities, assess the projects outputs and consider the progress in achieving the desired project outcomes and objectives. This will involve NPCs providing presentations on progress and written summaries. Meeting participants will work together to assess this project and analyse its strengths and weaknesses with a view to the sustainable continuation of this work in participating countries (see the “Scope and Nature” section below for more details)

**Expected  
Outputs:**

- A meeting report with extended abstracts on the status of work carried out in participating countries.
- A summary of the activities carried out and outputs produced and progress in achieving the desired project outcomes.

- A follow up action plan and recommendations of future inter- and intra-country activities to sustain this activity after the project is completed.

### **Scope and Nature:**

The meeting proceeding will include presentations, discussions and exchange of information and knowledge. Specifically, this will include;

- (i) NPCs providing a verbal presentation of the progress of project implementation in their countries; progress and achievements;
- (ii) NPCs providing a written summary of the implementation and achievement of their national work plans, in connection with the framework of this RCA project;
- (iii) Meeting participants working together to review and assess the progress achieved under this project against its Logical Framework Matrix;
- (iv) Participants analysing the strengths and weaknesses of the project and discussing modalities for the sustainable continuation of work in participating countries, with specific conclusions and recommendations defined.
- (v) Producing conclusions and recommendations for effective application of radiotracer and sealed source techniques for the visualization of industrial multiphase systems.

### **Background Information:**

Process streams in key petroleum, petrochemical and chemical industries are commonly multiphase systems. Equipment involved in processing such streams includes distillation columns in oil refineries, reactors in petrochemical plants, oil and gas fields, and wastewater treatment facilities. The optimum performance of these multiphase systems is crucial for efficient operation of the industries, for saving raw materials and energy and minimizing environmental pollution. Because of the complex nature of multiphase flow, diagnosis of the causes of poor performance can be achieved only by using very sophisticated technologies, such as process gamma tomography and radiotracer studies together with computer modelling and simulation. These new diagnostic technologies can provide visualization of the processes, thereby advancing understanding, management and optimization of the process and enhancing the outcomes of troubleshooting investigations in these important industries.

National radiotracer and sealed source groups have been set up in most of the RCA Member States and there are well established partnerships with industries. These important investments and linkages will contribute to the successful implementation of this project and its long-term sustainability. The project will help improve industrial growth, optimum use of raw materials and energy and environmental conservation in key regional industries. It will also increase the visibility and knowledge of the benefits of the application of nuclear technology for the solution of industrial problems.

The project: RAS/8/111 – Diagnosing Industrial Multiphase Systems by Process Visualization using Radiotracers and Sealed Sources (RCA) was approved for implementation in 2009-2011, and participated by 14 RCA Member States. The project objectives are to: a) improve the performance of the region's industries; b) reduce pollution and make optimum use of natural resources and energy by promoting and transferring the technologies for process gamma tomography and radiotracer studies incorporated with computer modelling and simulation technologies in a sustainable manner; and c) promote use of the technologies by industrial end users.

**Participation:**

The meeting will be attended by one participant from each participating country, and national nomination should be submitted accordingly. In principle, nominees should be National Project Coordinators (NPCs) officially designated for RAS/8/111, who is responsible for national implementation.

**Participants' Qualifications:**

Nominees must be National Project Coordinators (NPCs). A senior member of the national team may be nominated if the NPC is unable to attend. He/she must have good knowledge of the RCA project and the national implementation.

**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 **30 September 2011**. 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 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 **Chiangmai, Thailand** 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.



Department of Technical Cooperation

<http://tc.iaea.org>

**You are in :** TC Home » Participation » In meetings/ workshops

## Participation in meetings/workshops or as a national consultant

The Agency organizes meetings and workshops under its Technical Cooperation programme, and also arranges for missions of individuals from recipient Member States (national consultants) to Agency headquarters or other locations.

The purpose of meetings/workshops typically is to work out a set of recommendations and advice on or analyses of particular aspects of individual projects or of specific programmatic areas. The purpose of a national consultant assignment typically is to gain familiarity with Agency practices and procedures or to hold consultations on one (or more) specific project(s).

Participation in meetings/workshops and in national consultant assignments is upon invitation only.



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### Project information

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**Download the  
Nomination Form for  
Meeting/  
Workshop/ National  
Consultant**

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Insurance Scheme**

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**IAEA**

International Atomic Energy Agency

**NOMINATION FOR MEETING/WORKSHOP and NATIONAL CONSULTANT**

Note: This form is only to be used for Technical Cooperation Meetings/Workshops and National Consultant missions.

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:
		Nationality:
First name:		Passport No.:
Complete mailing address (office):		Date of issue:
Inst. Name:		Place of issue:
		Valid until:
Street:		Telephone (office):
P.O. Box:	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. ☐ 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: ☐ yes ☐ 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? ☐ yes ☐ no**Involvement in IAEA-supported activities** (Please mark any previous activities)☐ Expert Mission    ☐ Training Course    ☐ Workshop/Meeting    ☐ Fellowship/Scientific Visit    ☐ Research Contract**STATEMENT**

The nominating authority gives the following assurances:

- All information supplied in this form is complete and correct;
- 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;
- 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;
- 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;
- 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/EREV.4 (JUNE 05)

Wagramer Strasse 5, P.O. Box 100, A-1400 Vienna (Austria)

Tel: (+43 1) 2600, Fax: (+43 1) 26007, Email: Official.Mail@iaea.org, TC Web site: <http://www-tc.iaea.org>

### National RCA Representatives

COUNTRY	NAME	FAX NUMBER
<b>BANGLADESH</b>	Mr. Md. Muzammel HAQUE	+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>	Dr. Jae Shik SHIN	+82 2 2100 6971
<b>MALAYSIA</b>	Dr. Muhamad Lebai JURI	+60 3 89252588
<b>MONGOLIA</b>	Mr. Tseren DAMDINSUREN	+976 11 329019
<b>MYANMAR</b>	Dr. Ko Ko OO	+95 1 650685
<b>NEW ZEALAND</b>	Dr. Frank Bruhn	+64 4 570 1444
<b>PAKISTAN</b>	Dr. Asif SALAHUDDIN	+92 51 920 4908
<b>PHILIPPINES</b>	Dr. Alumanda DELA ROSA	+63 2 920 1646
<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. Bui Van TUAN	+84 4 3942 4133
<b>RCA Regional Office</b>	Dr. M-K Lee	+82 42 864 1626

### 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>MONGOLIA</b>	535 280 720
<b>NEW ZEALAND</b>	505 3020
<b>PAKISTAN</b>	367 1831 / 368 7376
<b>PHILIPPINES</b>	533240124
<b>SRI LANKA</b>	5037993
<b>THAILAND</b>	4782907
<b>VIETNAM</b>	3680754
<b>Permanent Missions Outside Vienna</b>	
<b>BANGLADESH</b>	+41 22 738 4616
<b>MYANMAR</b>	+49 30 20 61 57 20