

CN-265

International Symposium on
**Communicating Nuclear
and Radiological
Emergencies to the Public**

1-5 October 2018
IAEA Headquarters
Vienna, Austria

PROGRAMME

Organized by the



IAEA

International Atomic Energy Agency

Organized by the



In cooperation with



Preparatory Commission for the
Comprehensive Nuclear-Test-Ban Treaty
Organization (CTBTO)



European Commission



Food and Agriculture Organization
of the United Nations (FAO)



International Labour Organization (ILO)



International Federation of Red Cross
(IFRC)



International Criminal Police Organization
(INTERPOL)



The Nuclear Energy Agency (NEA)



United Nations Office for the Coordination of
Humanitarian Affairs (OCHA)



World Meteorological Organization

Symposium President:

Jason Cameron Canada

**International Symposium Programme
Committee (ISPC):**

M. Bigot	France
D. Castelveter	USA
A. Gonzalez	Argentina
A. Heinrich	USA
T. Homma	Japan
S. Hueber	Switzerland
D. Owen	UK
K. Raitio	Finland
M. Ramerafe	South Africa

Z. Carr	WHO
E. Lazo	NEA
C. Blackburn	FAO
E. Buglova	IAEA
S. Gas	IAEA

IAEA Secretariat:

Scientific Secretaries: E. Buglova
 S. Gas

Symposium Organizer: M. Neuhold
 J. Dusimatov

Scientific Support: S. Harvey

Administrative Support: J. Mayer Dipauli
 S. Mehan

**Location
of the Symposium:**

International Atomic Energy Agency
Vienna International Centre (VIC)
Wagramer Strasse 5
A-1400 Vienna, Austria
M Building

Working Language: English

Resolutions: No resolutions may be submitted for
consideration on any subject; no votes
will be taken.

MOBILE CONFERENCE APPLICATION

(for smart phones and tablets)

Android



iPhone



Participants are encouraged to download the conference application (App) **IAEA Conferences and Meetings** available at Google Play and the iTunes Store. The QR codes above will take you there.

Once you have installed the App simply select this conference.

The App allows you to:

- ✓ message other participants;
- ✓ access PowerPoint presentations which have been released by their authors, and abstracts of posters;
- ✓ view an up-to-date programme;
- ✓ receive announcements via push notifications.

If you wish to do so, toward the end of the conference, please provide us with your feedback using the evaluation form available on the App.

If you have questions or require assistance on the App please contact the Conference Registration Desk.

TIMETABLE

SUNDAY, 30 September 2018

- 15:00-18:30 Registration
15:00-17:00 ISPC #6 Meeting

MONDAY, 1 October 2018

- | | | |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 08:00–16:00 | Registration | M Building
Information Desk |
| 09:30–10:30 | Opening Session | BR-B/M1 |
| 10:30-11:00 | <i>Coffee Break & E-Poster Session</i> | |
| 11:00–13:00 | Session 1
Communication in an
emergency: why is it
needed? | BR-B/M1 |
| 13:00-14:00 | <i>Lunch Break & E-Poster Session</i> | |
| 14:00–15:30 | Session 2
Stakeholder engagement
and multicultural needs in
emergency communication
<i>Coffee Break & E-Poster Session</i> | BR-B/M1 |
| 16:00–18:00 | Panel A
Emergency preparedness
and response experts and
Public Information Officers:
coordinated actions | BR-A |
| 18:00–20:00 | <i>Reception</i> | M Building, Ground
Floor |

TUESDAY, 2 October 2018

09:00–10:30	Session 3 How to prepare for communicating in an emergency	BR-B/M1
10:30–11:00	<i>Coffee Break & E-Poster Session</i>	
11:00–13:00	Panel B Social media in an emergency: opportunity or obstacle?	BR-A
13:00–14:00	<i>Lunch Break & E-Poster Session</i>	
14:00–15:30	Session 4 Language for effective communication	BR-B/M1
15:30–16:00	<i>Coffee Break & E-Poster Session</i>	
16:00–18:00	Session 5 Public's perspective on communication during an emergency	BR-B/M1

WEDNESDAY, 3 October 2018

09:00–10:30	Session 6 Lessons learned from communicating perceived or potential nuclear and radiological emergencies	BR-B/M1
10:30–11:00	<i>Coffee Break & E-Poster Session</i>	
11:00–13:00	Session 7 Voice of local officials and first responders in communicating during an emergency	BR-B/M1
13:00–14:00	<i>Lunch Break & E-Poster Session</i>	
14:00–15:30	Interactive Session What are the top terms that cause challenges globally during a nuclear or radiological emergency?	BR-A
15:30–16:00	<i>Coffee Break & E-Poster Session</i>	
16:00–18:00	Panel C Practicing emergency communication in exercises: experiences and challenges	BR-A

THURSDAY, 4 October 2018

09:00–10:30	Session 8 How to answer the question “Am I safe” in an emergency	BR-B/M1
10:30–11:00	<i>Coffee Break & E-Poster Session</i>	
11:00–13:00	Panel D Media Representatives	BR-A
13:00–14:00	<i>Lunch Break & E-Poster Session</i>	
14:00–15:30	Panel E Young Innovative Communicators Competition	BR-A
15:30–16:00	<i>Coffee Break & E-Poster Session</i>	
16:00–18:00	Session 9 Lessons learned from communicating in nuclear and radiological emergencies of various origins (e.g. medical overexposure, nuclear security event, natural disasters, transport events)	BR-B/M1

FRIDAY, 5 October 2018

09:00–10:30	Session 10 Tools and techniques: innovation in emergency communication	BR-A
10:30–11:00	<i>Coffee Break</i>	
11:00–12:00	Panel F What’s next in emergency communication?	BR-A
12:00–13:00	Closing Remarks	BR-A

Exhibits will be shown in M0E and M01 Exhibition Areas.

- SARAD GmbH
- Tracero
- Argon Electronics
- Canada
- United States of America
- IFRC – International Federation of Red Cross and Red Crescent Societies
- CTBTO – Comprehensive Nuclear-Test-Ban Treaty Organization
- IRSN - Institut de radioprotection et de sûreté nucléaire
- IAEA Incident and Emergency Centre
- IAEA Nuclear Safety and Security
- IAEA Technical Cooperation Programme

MONDAY, 1 OCTOBER 2018

09:30–10:30 **Registration and distribution of
Conference material**

09:30–10:30 **OPENING SESSION**

Location: BR-B/M1

J. Cameron

Symposium President

J. C. Lentijo

IAEA Deputy Director General,
Head of Department of Nuclear Safety
and Security

**Addresses on behalf of cooperating
organizations:**

T. Taylor

Director
International Data Centre (IDC) Division
Comprehensive Nuclear-Test-Ban Treaty
Organization (CTBTO)

M. Huebel

Head of Unit D3: Radiation protection
and nuclear safety
Directorate D: Nuclear Energy,
Safety and ITER
European Commission (EC)

L. Heng

Head of Soil and Water Management and
Crop Nutrition Section
Joint FAO/IAEA Programme
Food and Agriculture Organization (FAO)

S. Niu

Senior Specialist on Occupational Health
LABADMIN/OSH Branch
International Labour Organization (ILO)

M. Opiresnig

Deputy Secretary General
Austrian Red Cross
International Federation of Red Cross and
Red Crescent Societies (IFRC)

D. Ledingham

Acting Assistant Director
CBRNE and Vulnerable Targets
Sub-Directorate
INTERPOL

Y. Hah

Head of the Division of Radiological
Protection & Human Aspects
of Nuclear Safety
Nuclear Energy Agency (NEA)

R. Mueller

Interim Functional Lead
Coordination Division
United Nations Office for the Coordination of Humanitarian
Affairs (OCHA)

S. Castonguay

Acting Chief/Editor
Communications and Public Affairs
World Meteorological Organization (WMO)

10:30–11:00 *Coffee/Tea Break*

MONDAY, 1 OCTOBER 2018

11:00–13:00 **SESSION 1**
COMMUNICATION IN AN EMERGENCY:
WHY IS IT NEEDED?

Session Chair: Jason Cameron, Canada
Location: BR-B/M1

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
11:00-11:20	Keynote	S. Burns	USA	Planning is Everything
	Invited	C. Ardouin	New Zealand	Are you ok? Can you hear me? Earthquake...
	116	T. Bieda	Argentina	Public Messaging and International Coordination
	34	A. Shogren	USA	Show Me the Data: Lessons from Fukushima and the Need for Improved Radiation Data Visualization
	Invited	A. Trapeznikova	Russian Federation	Contacting with Population during Nuclear/Radiological Emergencies
	136	H. Foy	Ghana	From Technical Evidence to Public Action: Communications Toolbox for Radiological Emergency in Africa
		Q&A		

13:00–14:00 Interactive Presentations (13:30-14:00)
Lunch Break

MONDAY, 1 OCTOBER 2018

14:00–15:30 **SESSION 2**
STAKEHOLDER ENGAGEMENT AND
MULTICULTURAL NEEDS IN
EMERGENCY COMMUNICATION

Session Chair: Ann Heinrich, USA
Location BR-B/M1

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
14-00-14:20	Keynote	C. Huang	China	Engagement with Cultural Difference during Emergencies: Some Observations from East Asia
	98	J. Karniliyus	Nigeria	Communicating Nuclear and Radiological Emergencies in a Multilingual Society
	119	E. Dacus	USA	A Crisis for All Seasons: From Superstorms to Winter Storms to Hot Summer Days
	143	C. McMahon	Ireland	Stakeholder Engagement on Nuclear Emergency Preparedness in a 'Non-Nuclear' Country: how Ireland has set up and maintains its engagement process
	56	M. Sarfo	Ghana	Stakeholder Engagement in communicating Nuclear and Radiological Emergencies to the Public: the case of Ghana Atomic Energy Commission -
	113	U. Yadav	India	Nuclear and Radiological Emergencies: The Stakeholder's Perspective
		Q&A		

15:30–16:00 Interactive Presentations
Coffee/Tea Break

MONDAY, 1 OCTOBER 2018

16:00–18:00 **PANEL A**
EMERGENCY PREPAREDNESS AND
RESPONSE EXPERTS AND PUBLIC
INFORMATION OFFICERS:
COORDINATED ACTIONS

Session Chair: David Owen, United Kingdom
Location: BR-A

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
16:00-16:20	Keynote	P. Tiippana	Finland	Role of Communication in the System of Protection
	43	P. Mertens	Belgium	Crisis Communication Work Process (CCWP)
	22	W. P. Daeng Beta	Indonesia	Coordination of Information in case of Radiological or Nuclear Emergency in Indonesia
	Invited	P. Kaiser	IAEA	Understandable, Accurate, Actionable: Coordinating Public Communication during a Nuclear or Radiological Emergency
	Invited	S. Van Raad	Australia	Communicating in an Emergency, Challenges and Learnings – An Australian Perspective
	84	D. Estes	USA	Perspectives from US Local Communities for Communicating with the Public in the Immediate Aftermath of a Nuclear/Radiological Incident
		Panel Discussion		

18:00–20:00 *Opening Reception* M Building, Ground Floor

TUESDAY, 2 OCTOBER 2018

09:00–10:30 **SESSION 3**
HOW TO PREPARE FOR
COMMUNICATING IN AN EMERGENCY

Session Chair: Sebastain Hueber, Switzerland
Location: BR-B/M1

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20	Keynote	Y. Hah	OECD NEA	Crisis Communication: Taking a Broad Approach for Better Preparedness
	92	L. Wolters	Netherlands	Direct Marketing Approach in the Development of a Large-Scale Communication Campaign to Support the Distribution of Potassium Iodate Tablets in the Netherlands
	26	M. P. Hande	Singapore	Educational Dialogue on Public Perception of Nuclear Radiation
	57	A. Abadie	Argentina	The Importance of Communication Tools in a Nuclear Project
	N/A	C. Li	China	China's Practice of Releasing and Sharing Nuclear Emergency Information
		Q/A		

10:30–11:00 Interactive Presentations
Coffee/Tea Break

TUESDAY, 2 OCTOBER 2018

11:00–13:00

PANEL B
SOCIAL MEDIA IN AN EMERGENCY:
OPPORTUNITY OR OBSTACLE?

Session Chair: Kaisa Raitio, Finland

Location: BR-A

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
	108	N. Savic	France	Social Media in an Emergency Situation: The Case of Iodine-131 Release
	Invited	N. M. Martinez	Spain	Social Media in Emergency Management (#SMEM) for a Nuclear Regulatory Body
	29	R. Agustyah	Indonesia	The Use of Social Media in Nuclear and Radiological Emergency
	Invited	E. Meyer	USA	Hitting the Right Notes on Social Media
		Panel Discussion		

13:00–14:00 Interactive Presentations (13:30-14:00)
Lunch Break

TUESDAY, 2 OCTOBER 2018

14:00–15:30

**SESSION 4:
LANGUAGE FOR EFFECTIVE
COMMUNICATION**

Session Chair: David Owen, UK

Location: BR-B/M1

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
14:00-14:20	Keynote	A. Kumagai	Japan	Risk Communication and Medical/Health Professional's Role in Fukushima
	96	A. Ibrahim	Nigeria	The Use of Mass Media as a Tool for Communicating and Responding to a Radiological and Nuclear Emergency: Case Study Nigeria
	87	M. Tschurlovits	Austria	Why Scientific Integrity and Competence are no longer Sufficient for Effective Communication with the Public
	127	C. Ruo M. Duarte	Argentina	The use of Plain Language in Communication Materials to the Public
	135	D. Salama	Egypt	Individual and Public Psychological Management in Radiological Emergencies
	110	H. Looney	USA	Can You Hear Me Now: Understanding Cognitive Bias to Enhance Public Communications in Nuclear Emergency Preparedness and Response
		Q/A		

15:30–16:00 Interactive Presentations
Coffee/Tea Break

TUESDAY, 2 OCTOBER 2018

16:00–18:00

**SESSION 5
PUBLIC'S PERSPECTIVE ON
COMMUNICATION DURING AN
EMERGENCY**

Session Chair: Marie-Pierre Bigot, France

Location: BR-B/M1

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
16:00-16:20	Keynote	B. Buddemeier	USA	Working with the Media to Save Lives in the Event of a Nuclear Detonation
	35	M. Krottmayer	IFRC	Public Awareness and Public Education for Disaster Risk Reduction – The use of Action-Oriented Key Messages for Households
	131	H. Usui	Japan	The Analysis of the Contents of Telephone Inquiries from the Public during the Fukushima Dai-ichi Nuclear Power Station Accident
	95	K. Raitio	Finland	Radiation Risk Perception Survey to Support Radiation Risk Communication in Finland
	122	K. Carera	USA	General Population Research on Radiation Emergency Messaging – Lessons Learned
	142	E. Burtovaia	Russian Federation	Factors Affecting Behaviour of the Population Long after Radiation Accidents and Incidents
		Q&A		

WEDNESDAY, 3 OCTOBER 2018

9:00–10:30

**SESSION 6
LESSONS LEARNED FROM
COMMUNICATING PERCEIVED OR
POTENTIAL NUCLEAR AND
RADIOLOGICAL EMERGENCIES**

Session Chair: Carl Blackburn, FAO

Location: BR-B/M1

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20	Keynote	J. Beaudoin	France	The Opinion Generations: The Demographic Infrastructure of Risks and Crises
	33	J. Wieder	USA	Team, Tools, and Teachable Moments: The United States' Approach for Nuclear Emergency Public Communications
	37	A. Imtiaz	Bangladesh	Communication Mechanism during Radiological Emergency in Bangladesh: Lessons Learned
	Invited	E. Bouchot	France	Incident at the Flamanville NPP: An Example of Media Frenzy
	53	K. Tao	Vietnam	Lessons Learned on Public Communication in Radiological and Nuclear Emergencies of Viet Nam
	128	S. Midorikawa	Japan	Difficulty Communicating with Residents regarding Thyroid Cancer Screening following a Nuclear Accident: Knowledge obtained from our communication and education experiences
	Invited	V. Novitsky	Belarus	The System of Public Communication during Nuclear and Radiological Emergencies in Belarus
		Q&A		

10:30–11:00 Interactive Presentations
Coffee/Tea Break

WEDNESDAY, 3 OCTOBER 2018

11:00–13:00 **SESSION 7**
VOICE OF LOCAL OFFICIALS AND FIRST
RESPONDERS IN COMMUNICATING
DURING AN EMERGENCY

Session Chair: David Castelveter, USA
Location: BR-B/M1

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
11:00-11:20	Keynote	Y. Vatikay	Israel	Communication Strategy during Crises and Radiological Incidents
	115	T. Yamada	Japan	The Role of the Municipal Food Inspection System for Products Collected by Consumers for their Self-Consumption in Fukushima
	Invited	M. Thames	USA	Effective Communication with the Public during a Crisis. What to Say and How
	105	J. Lachaume	France	Detection of Ruthenium 106 in France and in Europe: IRSN's communication to the public
	121	A. Holland	Canada	Guidelines for Emergency Information Centers – Our Experience with Public Communication for Diverse Nuclear Communities in Ontario, Canada
	Invited	S. Senior	UK	A Nuclear Naval Base in Harmony with an Ocean City – A Story of a Warned, Informed, Safe City
		Q&A		

13:00–14:00 Interactive Presentations (13:30-14:00)
Lunch Break

WEDNESDAY, 3 OCTOBER 2018

14:00–15:30 **INTERACTIVE SESSION**
WHAT ARE THE TOP TERMS THAT
CAUSE CHALLENGES GLOBALLY
DURING A NUCLEAR OR RADIOLOGICAL
EMERGENCY?

Session Chair: Jason Cameron, Canada
Location: BR-A

15:30–16:00 Interactive Presentations
Coffee/Tea Break

16:00–18:00 **PANEL C**
PRACTICING EMERGENCY
COMMUNICATION IN EXERCISES:
EXPERIENCES AND CHALLENGES

Session Chair: Mothusi Ramerafe, South Africa
Location: BR-A

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member</i> <i>State/Organization</i>	<i>Title of Paper</i>
16:00-16:20	Keynote	K. Mrabit	Morocco	Practising Emergency Communication: A National Perspective
	81	V. Tafili	Greece	How Effective is the Simulation of Public Communication in Emergency Exercises? The National Experience in the Case of the ConvEx-3 Exercise
	74	L. Anderson	Canada	Voice of the Regulator
	123	V. Siegel	USA	The First Response: A Planning Guide for Agency Joint Information Centers
	45	S. Hakala	Finland	So Should I Leave my Home or Not? Recipient-Based Risk Communication in Nuclear Power Plant Accident Exercises
	63	A. Gomes Lopes	Brazil	Evaluation of Effective Communication to Public of a Radiological Accident Event
		Panel Discussion		

THURSDAY, 4 OCTOBER 2018

09:00–10:30

SESSION 8
HOW TO ANSWER THE QUESTION “AM I
SAFE?” IN AN EMERGENCY?

Session Chair: Ann Heinrich, USA

Location: BR-B/M1

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20	Keynote	A. Gonzalez	Argentina	Miscommunication in Nuclear and Radiological Emergencies: Is Improper Language Not the Main Culprit?
	97	E. Melikhova	Russian Federation	Challenges in Communicating Risk Issues to the Public
	71	H. Yasuda	Japan	Effective Communication without Using Effective Dose
	85	M. Laver	USA	Understanding and Overcoming Communications Gaps
	31	A.R. Melo	Portugal	Learning from the Past: A Theoretical Analysis of the Radiation Risk History or How Common Sense and Ideology Can Prevent Adequate Risk Management
	Invited	S. Nestoroska Madjunarova	IAEA	Putting Radiological Health Hazards in Perspective in Emergency Preparedness and Response
		Q&A		

10:30–11:00 Interactive Presentations
Coffee/Tea Break

THURSDAY, 4 OCTOBER 2018

11:00–13:00 **PANEL D**
MEDIA REPRESENTATIVES

Session Chair: Martin Nesirky, United Nations
Location: BR-A

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
	Invited	J. Chade		
	Invited	P. Rickwood		
	Invited	A. MacLachlan		
	Invited	J. Kuhs		
		Panel Discussion		

13:00–14:00 Interactive Presentations (13:30-14:00)
Lunch Break

THURSDAY, 4 OCTOBER 2018

14:00–15:30 **PANEL E: YOUNG INNOVATIVE
COMMUNICATORS COMPETITION**

Session Chair: Jason Cameron, Canada
Location: BR-A

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
	Youth Competition Finalist	S. Ward	Barbados	Using Repurposed Cell Phones to Communicate Information on Nuclear Emergencies
	Youth Competition Finalist	S. Ree	UK	AR: Creating Visual Exit Routes
	Youth Competition Finalist	P. Samonte	Philippines	Let's Know Nuclear (LKN)
	Youth Competition Finalist	E. Karima	Indonesia	NART: Smart App to Communicate in Nuclear and Radiological Emergencies
	Youth Competition Finalist	H. Muhammad	Pakistan	Nuclear and Radiological Emergency Awareness for the Illiterate
	75 (Invited)	A. Cunha da Silva	Brazil	New Public Communication Initiative in Brazil: Nuclear Ambassadors
		Announcement of winner		

15:30–16:00 Interactive Presentations
Coffee/Tea Break

THURSDAY, 4 OCTOBER 2018

16:00–18:00

**SESSION 9
LESSONS LEARNED FROM
COMMUNICATING IN NUCLEAR AND
RADIOLOGICAL EMERGENCIES OF
VARIOUS ORIGINS (E.G. MEDICAL
OVEREXPOSURE, NUCLEAR SECURITY
EVENT, NATURAL DISASTERS,
TRANSPORT EVENTS)**

Session Chair: David Castelvetter, USA

Location: BR-B/M1

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
16:00-16:20	Keynote	S. Banus	Netherlands	Communication Strategy and its Dependence on Risk Perception
	14	Y. Aoyama	Japan	Past Experience and Future Challenges for Effective Communication in an Evolving Situation
	64	M. Bigot I. Choffel-De-Witte	France	The Communication Challenges by a Radiotherapy Accident: The Epinal Accident in France
	Invited	A. Mayor	UK	The Biggest Communication Challenge: Communicating with the Public During a Transport Emergency
	76	B. Ahier	Canada	Canadian Lessons in Emergency Communication from Various Radiation Exposure Situations
	120	V. Dricks	United States	U.S. Nuclear Regulatory Commission's Public Communications
		Q&A		

FRIDAY, 5 OCTOBER 2018**9:00–10:30****SESSION 10
TOOLS AND TECHNIQUES:
INNOVATION IN EMERGENCY
COMMUNICATION****Session Chair: Kaisa Raitio, Finland****Location: BR-A**

<i>Time</i>	<i>INDICO ID</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00-09:20	Keynote	G. Gamhewage	WHO	Communicating Risk in 21st Century Emergencies – The Current Evidence for Best Practice
	58	B.G. Göktepe	Turkey	The Role of Women in the Development of Effective Nuclear Risk Communication
	99	A. Brown	USA	Enhancing Public Information after Radiation Emergencies through Citizen Participation: Seven Years of Lessons Learned by the SAFECAST Project
	117	C. Iddins	USA	The Importance of Effective Medical Communications after Radiological/Nuclear Emergencies
	114	M. Maitre	France	Insights from Innovative Approaches Developed in Post Emergency Situations – A Way to Engage Populations Living in Contaminated Territories and Inform and Communicate on the Real Situation at Stake
	103	I. Oceano	European Commission	The European Commission's Science and Knowledge Service
		Q&A		

10:30–11:00 *Coffee Break*

FRIDAY, 5 OCTOBER 2018

11:00–12:00 **PANEL F**
WHAT'S NEXT IN EMERGENCY
COMMUNICATION?

Session Chair: **Jason Cameron, Canada**
Location : **BR-A**

Panellists: S. Gas, IAEA
 M. Nesirky, United Nations
 A. Gonzalez, Argentina
 B. Buddemeier, USA
 A. Kumagai, Japan
 C. Huang, China
 K. Mrabit, Morocco

12:00-13:00 **CLOSING SESSION**

INTERACTIVE PRESENTATIONS

MONDAY, 1 October 2018

TIME: 13:30–14:00

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
3	1	U. Mirsaidov	Tajikistan	Issues and Solutions of Emergency Preparedness and Radiation Protection in the Republic of Tajikistan
61	2	P. Mthombeni	South Africa	Emergency Preparedness: Crisis Communication Plan
94	3	A. Otim	Uganda	Social Media and Complex Emergencies in Uganda

TIME: 15:30–16:00

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
24	1	K. Raitio	Finland	When Used in Communication to General Public, do Plume Maps Lead to Desired Protective Actions?
47	2	C. Fehn	Germany	Research Project on Target Groups and Communication Channels in Crisis Communication: First Results
79	3	S. Jovanovic	Montenegro	Education, Training, Competence – Fundamental Prerequisites for Appropriate EPR, with Emphasis on Communication with the Public
9	4	C. A. B. Dath	Senegal	Formative Information to Decision Makers and their Impacts on a Multisectorial Team of Nuclear Emergency Management System

TUESDAY, 2 October 2018**TIME: 10:30–11:00**

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
6	1	K. Dean	United States	Nuclear Power Emergency in the United States of America: Challenges Associated with Standard Operation Procedure and Emergency Evacuation
10	2	N. Mughal	Pakistan	Effective Communication
19	3	T. Majeed	Pakistan	Communication and Public Relation Skills Course for MS Radiation Physics: Current Status, Lessons Learn and the Future Prospects
38	4	M. Abdelaal	Egypt	Enhancement the Emergency Preparedness of Nuclear and Radiological Site: Public Communication Aspect

TIME: 13:30–14:00

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
4	1	S. Ho	Singapore	Harnessing Online and Social Media in Communicating Nuclear Safety to the Public: Insights from Five Large-Scale Public Opinion Surveys in Southeast Asia
21	2	K. Pakdee	Thailand	"LINE": An Alternative Social Media Channel for Communication
36	3	D. Hossain	Bangladesh	Impacts of Social Media Addressing Rumours on Communicating Nuclear and Radiological Emergencies to the Public: Trust Building Perspective
49	4	S. López Centurión I. Riquelme Díaz F. Doncel Invernizzi	Paraguay	The Importance of Social Networks in the Communication of Radiological Emergencies in Paraguay

TIME: 15:30–16:00

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
66	1	D. Blumenthal	United States	U.S. Lessons Learned: Communication During Response to an International Incident
78	2	K. Jasim	Iraq	Communicating Nuclear and Radiological Emergencies in Iraq
104	3	L. Khalayi	Uganda	Media and Nuclear Emergencies

WEDNESDAY, 3 October 2018**TIME: 10:30–11:00**

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
17	1	W. Bakr	Egypt	National Arrangements for Public Communications in a Nuclear and Radiological Emergency
40	2	K. Motomitsu	Japan	Arrangements for Public Communication in a Nuclear Emergency – Experience and Lessons Learned from the Fukushima Daiichi NPP Accident
52	3	W. Hayden	Canada	The Vital Role of Emergency Claims Response in Emergency Preparedness

TIME: 13:30–14:00

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
28	1	R. Bosch Robaina	Cuba	Proposal of a Communication Plan with the Public in Radiation Emergencies in Cuba
39	2	S. Sawe	Tanzania	Arrangements for Public Communication in a Nuclear or Radiological Emergency in the United Republic of Tanzania
44	3	N. D. Kieu	Vietnam	Vietnam Communication System in Nuclear and Radiological Emergency – Current Status and Gaps Need to be Fulfilled
58	4	Q. Zhang Q. Guo	China	Current Situation and Prospect of Communication with the Public about Nuclear Incidents in China

TIME: 15:30–16:00

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
0	1	S. Muhd Sarowi	Malaysia	Radiological Emergency Preparedness & Response in Malaysian Nuclear Agency: Exerciser's Lessons Learned
54	2	N. Boryshkevych	Ukraine	Emergency Preparedness and Response: Emergency Drills Specifically on Public Communication Components in Emergency Exercises
72	3	M. Florescu	Romania	CNCAN's Lessons Learned from Emergency Response Exercises Concerning Public Communication during an Emergency
86	4	K. Vetter	United States	Visualizing Radiation in 3-D and in Real-Time: Enhancing Risk Communication and Response during Nuclear Emergencies

THURSDAY, 4 October 2018**TIME: 10:30–11:00**

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
69	1	T. B. Machado	Brazil	Risk and Crisis in the Perspective of the Nuclear Sector in Brazil
7	2	M. Z. I. Mollah	Bangladesh	Adopting Challenges Involving Private Mass Media, Mass People in Communicating Nuclear and Radiological Emergencies
62	3	S. Isa	Nigeria	National Strategy for Communicating Nuclear and Radiological Emergencies for the Nigerian Public
80	4	N. Hirohashi	Japan	The role of Hiroshima University as the new radiation/nuclear emergency medical support centre on communicating radiation/nuclear emergencies to the public

TIME: 15:30–16:00

<i>INDICO ID</i>	<i>Station</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Poster</i>
42	1	P. Ngamilo	Tanzania	Public Communication Channels and Tools in Nuclear and Radiological Emergencies
51	2	H. Housni	Morocco	The Case of a Newly Created Regulatory Authority: Challenges & Good Practices
106	3	M. Salem	Egypt	Emergency Preparedness and Response Plan for Pilot Nuclear Fuel Cycle Facility (PNFCF)
5	4	F. Arogundade	Nigeria	Public Communication Channels and Tools in Emergencies

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Governments of Member States and those organizations whose activities are relevant to the meeting subject matter are invited to designate participants in IAEA scientific conferences and symposia. In addition, the IAEA itself may invite a limited number of scientists as invited speakers. Only participants designated or invited in this way are entitled to present papers and take part in the discussions.

Representatives of the press, radio, television or other information media and members of the public, the latter as “observers”, may also be authorized to attend, but without the right to take part in the proceedings.

Scientists interested in participating in any of the IAEA meetings should request information from the Government authorities of their own countries, in most cases the Ministry of Foreign Affairs or national atomic energy authority.

PUBLICATIONS

Proceedings

The proceedings of the conference will be published by the IAEA as soon as possible after the conference.

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The IAEA has created an interactive e-learning series explaining the IAEA's Milestones Approach to introducing a nuclear power programme. This approach is based on three phases and covers the 19 infrastructure issues that need to be addressed, and brings decades of expertise to life. Both newcomers and those expanding their nuclear power programmes may benefit from the e-learning series.

More information and the modules are available on:

<http://www.iaea.org/NuclearPower/Infrastructure/elearning/index.html>

E-learning on Communication with the Public during a Nuclear or Radiological Emergency

This course provides practical guidance for Public Information Officers on how to prepare for and respond to nuclear or radiological emergencies. The course supports the IAEA's Emergency Preparedness and Response series publication 'Communication with the Public in a Nuclear or Radiological Emergency'.

More information and the modules are available on:

<http://elearning.iaea.org/m2/course/view.php?id=424>

IAEA PUBLICATIONS RELATED TO THE SUBJECT OF THE CONFERENCE

STI/PUB/1708	IAEA Safety Standards Series No. GSR Part 7: Preparedness and Response for a Nuclear or Radiological Emergency	STI/PUB/1578	IAEA Safety Standards Series No. GSR Part 3: Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards
STI/PUB/1467	IAEA Safety Standards Series No. GSG-2: Criteria for Use in Preparedness and Response for a Nuclear or Radiological Emergency	STI/PUB/1776	Non-serial Publications: The Radiological Accident in Chilca
STI/PUB/1265	IAEA Safety Standards Series No. GS-G-2.1: Arrangements for Preparedness for a Nuclear or Radiological Emergency	STI/PUB/1660	Non-Serial Publications: The Radiological Accident in Lia, Georgia
STI/PUB/1796	IAEA Safety Standards Series No. GS-G-11: Arrangements for the Termination of a Nuclear or Radiological Emergency	STI/PUB/1389	Non-serial Publications: The Radiological Accident in Nueva Aldea
EPR-Public Communications 2012	Communication with the Public in a Nuclear or Radiological Emergency	STI/PUB/1199	Non-Serial Publications: The Radiological Accident in Cochabamba
EPR-Public Communication Plan 2015	Method for Developing a Communication Strategy and Plan for a Nuclear or Radiological Emergency	STI/PUB/1123	Non-Serial Publications: The Radiological Accident in Gilan
STI/PUB/1713	IAEA Safety Standards Series No. GSR Part 1 (Rev. 1): Governmental, Legal and Regulatory Framework for Safety	STI/PUB/1124	Non-serial Publications: The Radiological Accident in Samut Prakarn
STI/PUB/1710	Non-serial Publications: The Fukushima Daiichi Accident		
STI/PUB/1676	IAEA Nuclear Energy Series No. NP-T-3.16: Accident Monitoring Systems for Nuclear Power Plants		IAEA safety standards on emergency preparedness and response can be found at https://www.iaea.org/topics/emergency-preparedness-and-response/safety-standards-technical-guidance
STI/PUB/1644	IAEA Nuclear Energy Series No. NW-T-2.7: Experiences and Lessons Learned Worldwide in the Cleanup and Decommissioning of Nuclear Facilities in the Aftermath of Accidents		IAEA Emergency Response and Preparedness Series Publications can be found at www.iaea.org/publications/epr-series
STI/PUB/1730	IAEA Nuclear Energy Series No. NG-T-6.8: Nuclear Accident Knowledge Taxonomy		IAEA Accident Reports can be found at https://www-pub.iaea.org/books/IAEABooks/Publications_on_Accident_Response
STI/PUB/1273	IAEA Safety Standards Series No. SF-1: Fundamental Safety Principals		

FORTHCOMING SCIENTIFIC MEETINGS SCHEDULED BY THE IAEA

2018

International Conference on Challenges Faced by Technical and Scientific Support Organizations (TSOs) in Enhancing Nuclear Safety and Security (CN-266), 15–18 October; Brussels, Belgium

27th IAEA Fusion Energy Conference (FEC 2018) (CN-258), 22–27 October; Ahmedabad, India

Symposium on International Safeguards (CN-267), 5–9 November; Vienna, Austria

Ministerial Conference on Nuclear Science and Technology: Addressing Current and Emerging Development Challenges (CN-262), 28–30 November; Vienna, Austria

International Conference on the Security of Radioactive Material: The Way Forward for Prevention and Detection (CN-269), 3–7 December, Vienna, Austria

International Symposium on Understanding the Double Burden of Malnutrition for Effective Interventions (CN-268), 10–13 December, Vienna, Austria

2019

International Symposium on Isotope Hydrology (CN-271), 20–24 May; Vienna Austria

International Symposium on Standards, Applications and Quality Assurance in Medical Radiation Dosimetry (IDOS 2019) (CN-273), 18–21 June; Vienna, Austria

International Conference on the Management of Spent Fuel from Nuclear Power Reactors: Learning from the Past, Enabling the Future, (CN-272), 24–28 June, Vienna, Austria

Scientific Forum, (CN-274), September; Vienna, Austria

International Conference on Climate Change and the Role of Nuclear Power (CN-275), 7–11 October; Vienna, Austria

International Symposium on Trends in Radiopharmaceuticals (ISTR-2019) (CN-276), 28 October–1 November; Vienna, Austria

International Conference on Effective Regulatory Systems for Nuclear and Radiation Safety (CN-270), November, TBD

International Conference on Research Reactors: Addressing Challenges and Opportunities to Ensure Effectiveness and Sustainability: (CN-277), 25–29 November, Buenos Aires, Argentina

For information on forthcoming scientific meetings, please consult the IAEA web site: <http://www.iaea.org/meetings>

NOTES

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