



Stakeholder Involvement

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23 February 2017
Workshop on Nuclear Energy and Safety
Institute of Energy Economics, Tokyo

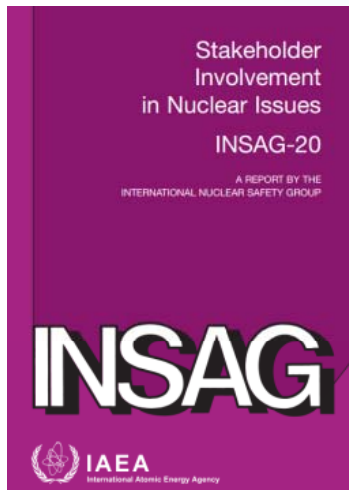
#DidYouKnow



Communication challenges



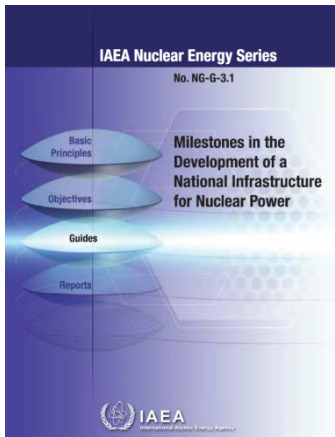
IAEA standards & guidance



IAEA Safety Standards
for protecting people and the environment

Establishing the Safety Infrastructure for a Nuclear Power Programme

Specific Safety Guide
No. SSG-16



FUNDAMENTALS



REQUIREMENTS



GUIDES

Milestones Approach



19 issues, incl. STAKEHOLDER INVOLVEMENT

2011



IAEA Nuclear Energy Series

No. NG-T-1.4

Basic Principles

Objectives

Guides

Technical Reports

Stakeholder Involvement Throughout the Life Cycle of Nuclear Facilities

IAEA publications



List of IAEA documents focused on stakeholder involvement

(January 2017)

INSAG

- Stakeholder Involvement, IAEA Safety Standards Series No. SSR-4, IAEA, Vienna (2009) http://www-pub.iaea.org/MTCD/Publications/PDF/SSR-4_web.pdf

Safety Standards

- Fundamental Safety Principles, IAEA Safety Standards Series No. SSF-1, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-1_web.pdf
- Governmental, Legal and Regulatory Framework for Nuclear Power, IAEA Safety Standards Series No. SSF-2, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-2_web.pdf
- Leadership and management requirements for nuclear power, IAEA Safety Standards Series No. SSF-3, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-3_web.pdf

- Radiation Protection and Safety of Nuclear and Radiological Installations, IAEA Safety Standards Series No. SSF-4, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-4_web.pdf
- Safety Assessment for Nuclear Power Plants, IAEA Safety Standards Series No. SSF-5, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-5_web.pdf
- Predisposal Management of Radioactive Waste, IAEA Safety Standards Series No. SSF-6, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-6_web.pdf
- Decommissioning of Nuclear Power Plants, IAEA Safety Standards Series No. SSF-7, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-7_web.pdf

- Preparedness and Response Requirements, IAEA Safety Standards Series No. SSF-8, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-8_web.pdf
- Establishing the Safety Culture, IAEA Safety Standards Series No. SSF-9, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-9_web.pdf

- Application of the Management System, IAEA Safety Standards Series No. SSF-10, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-10_web.pdf
- The Management System for Nuclear Power Plants, IAEA Safety Standards Series No. SSF-11, IAEA, Vienna (2009) http://www-pub.iaea.org/MTCD/Publications/PDF/SSF-11_web.pdf

- Disposal of Radioactive Waste, IAEA Safety Standards Series No. SSR-4, IAEA, Vienna (2009) http://www-pub.iaea.org/MTCD/Publications/PDF/SSR-4_web.pdf

- Near Surface Disposal Facilities for Radioactive Waste, IAEA Safety Standards Series No. SSR-5, IAEA, Vienna (2014) http://www-pub.iaea.org/MTCD/Publications/PDF/SSR-5_web.pdf

- Geological Disposal Facilities for Radioactive Waste, IAEA Safety Standards Series No. SSR-6, IAEA, Vienna (2011) http://www-pub.iaea.org/MTCD/Publications/PDF/SSR-6_web.pdf

- The Safety Case and Safety, IAEA Safety Standards Series No. SSR-7, IAEA, Vienna (2011) http://www-pub.iaea.org/MTCD/Publications/PDF/SSR-7_web.pdf

Nuclear Energy Series

- An Overview of Stakeholder Involvement in Nuclear Energy, IAEA Nuclear Energy Series No. NE-1, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/NE-1_web.pdf

- Geological Disposal of Radioactive Waste, IAEA Nuclear Energy Series No. NE-2, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/NE-2_web.pdf

- Establishment of uranium and thorium fuel cycle, IAEA Nuclear Energy Series No. NE-3, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/NE-3_web.pdf

- Stakeholder Involvement Throughout the Life Cycle of Nuclear Facilities, IAEA Nuclear Energy Series No. NE-4, IAEA, Vienna (2011) http://www-pub.iaea.org/MTCD/Publications/PDF/NE-4_web.pdf

- Managing Siting Activities for Nuclear Power Plants, IAEA Nuclear Energy Series No. NE-5, IAEA, Vienna (2012) http://www-pub.iaea.org/MTCD/Publications/PDF/NE-5_web.pdf

- Communication and Stakeholder Involvement in Nuclear Energy, IAEA Nuclear Energy Series No. NE-6, IAEA, Vienna (2011) http://www-pub.iaea.org/MTCD/Publications/PDF/NE-6_web.pdf

- Managing Environmental Impacts of Nuclear Power Programmes, IAEA Nuclear Energy Series No. NE-7, IAEA, Vienna (2011) http://www-pub.iaea.org/MTCD/Publications/PDF/NE-7_web.pdf

- INPRO Methodology for Stakeholder Involvement, IAEA Nuclear Energy Series No. NE-8, IAEA, Vienna (2011) http://www-pub.iaea.org/MTCD/Publications/PDF/NE-8_web.pdf

- Milestones in the Development of Nuclear Energy, IAEA Nuclear Energy Series No. NG-G-3.1 (Rev. 1), IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/NG-G-3.1_web.pdf

- Building a National Position for Nuclear Energy, IAEA Nuclear Energy Series No. NG-T-3.14 (Rev. 1), IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/NG-T-3.14_web.pdf

TECDOCs

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- Socio-economic and other non-technical aspects of nuclear energy, IAEA-TECDOC-1308, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/TE-1308_web.pdf

- Low and Intermediate Level Waste, IAEA-TECDOC-1553, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/TE-1553_web.pdf

- Factors Affecting Public and Political Acceptance for the Implementation of Nuclear Energy, IAEA-TECDOC-1566, IAEA, Vienna (2007) http://www-pub.iaea.org/MTCD/Publications/PDF/TE-1566_web.pdf

- Planning and Design Considerations for Geological Repository for Radioactive Waste, IAEA-TECDOC-1755, IAEA, Vienna (2014) http://www-pub.iaea.org/MTCD/Publications/PDF/TE-1755_web.pdf

- Techno-economic Comparison of Geological Disposal of Carbon Dioxide, IAEA-TECDOC-1758, IAEA, Vienna (2015) http://www-pub.iaea.org/MTCD/Publications/PDF/TE-1758_web.pdf

- Status of Fast Reactor Research and Technology Development, IAEA-TECDOC-1691, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/TE-1691_web.pdf

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Others

- Nuclear Communications: A Handbook for Guiding Good Communications Practices at Nuclear Fuel Facilities, IAEA, Vienna (1994) http://www-pub.iaea.org/MTCD/Publications/PDF/Pub966_web.pdf

- Communication Planning by the Nuclear Regulatory Body, Safety Reports Series No. 24, IAEA, Vienna (2002) http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1135_scr.pdf

- Challenges Faced by Nuclear Energy, IAEA, Vienna (2011) http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1135_scr.pdf

- Introducing Nuclear Energy, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1135_scr.pdf

- EPR-Public Communication, IAEA, Vienna (2006) http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1135_scr.pdf

Upcoming

- General Safety Guide (DS460) on Communication and consultation with interested parties by the regulatory body (to be published in 2017) https://www.iaea.org/NuclearPower/Downloadable/Mestines/2016/2016-09-20-09-23-NPES/DS460_final_version.pdf

- Nuclear Energy Series publication on Good Practices on Communication and Stakeholder Involvement in the Development of Nuclear Power Programmes (under development, scheduled to be published in 2017)

- Development of the Nuclear Communicator's Toolbox

The Nuclear Communicator's Toolbox (<https://www.iaea.org/mccomtoolbox/index.html>) was created in 2007. It is under a complete revision and is expected to be launched in 2017.

- Drafting the new Nuclear Energy Series document, provisionally titled "Communication and Stakeholder Involvement in Radioactive Waste Disposal"

The IAEA published "Stakeholder Involvement Throughout the Life Cycle of Nuclear Facilities (IAEA Nuclear Energy Series No. NG-T-1.4)" in 2011, covering basic principles and approaches in communication and stakeholder involvement. To respond to Member State's needs for more practical document, the IAEA is working on a new document "Communication and Stakeholder Involvement in Radioactive Waste Disposal" to be published under its Nuclear Energy Series by the end of 2017.

- Developing a new report which will collect international experiences of municipalities hosting radioactive waste management facilities [Planned]

The aforesaid draft report "Communication and Stakeholder Involvement in Radioactive Waste Disposal" covers the experiences and lessons learned from those implementing communication and stakeholder involvement activities (such as governmental authorities, regulatory bodies, radioactive waste management organisations). The planned report will address the issues and experiences of the municipalities in Member States which are hosting or will host radioactive waste management facilities.

Fukushima lessons

IAEA Action Plan on Nuclear Safety

Communication and information dissemination

Enhance transparency and effectiveness of communication and improve dissemination of information

- Member States, with the assistance of the IAEA Secretariat, to strengthen the emergency notification system, and reporting and information sharing arrangements and capabilities.
- Member States, with the assistance of the IAEA Secretariat, to enhance the transparency and effectiveness of communication among operators, regulators and various international organizations, and strengthen the IAEA's coordinating role in this regard, underlining that the freest possible flow and wide dissemination of safety related technical and technological information enhances nuclear safety.
- The IAEA Secretariat to provide Member States, international organizations and the general public with timely, clear, factually correct, objective and easily understandable information during a nuclear emergency on its potential consequences, including analysis of available information and prognosis of possible scenarios based on evidence, scientific knowledge and the capabilities of Member States.
- The IAEA Secretariat to organize international experts meetings to analyse all relevant technical aspects and learn the lessons from the Fukushima Daiichi nuclear power station accident.
- The IAEA Secretariat to facilitate and to continue sharing with Member States a fully transparent assessment of the accident at TEPCO's Fukushima Daiichi Nuclear Power Station, in cooperation with Japan.
- The IAEA Secretariat and Member States, in consultation with the OECD/NEA and the IAEA International Nuclear and Radiological Event Scale (INES) Advisory Committee to review the application of the INES scale as a communication tool.



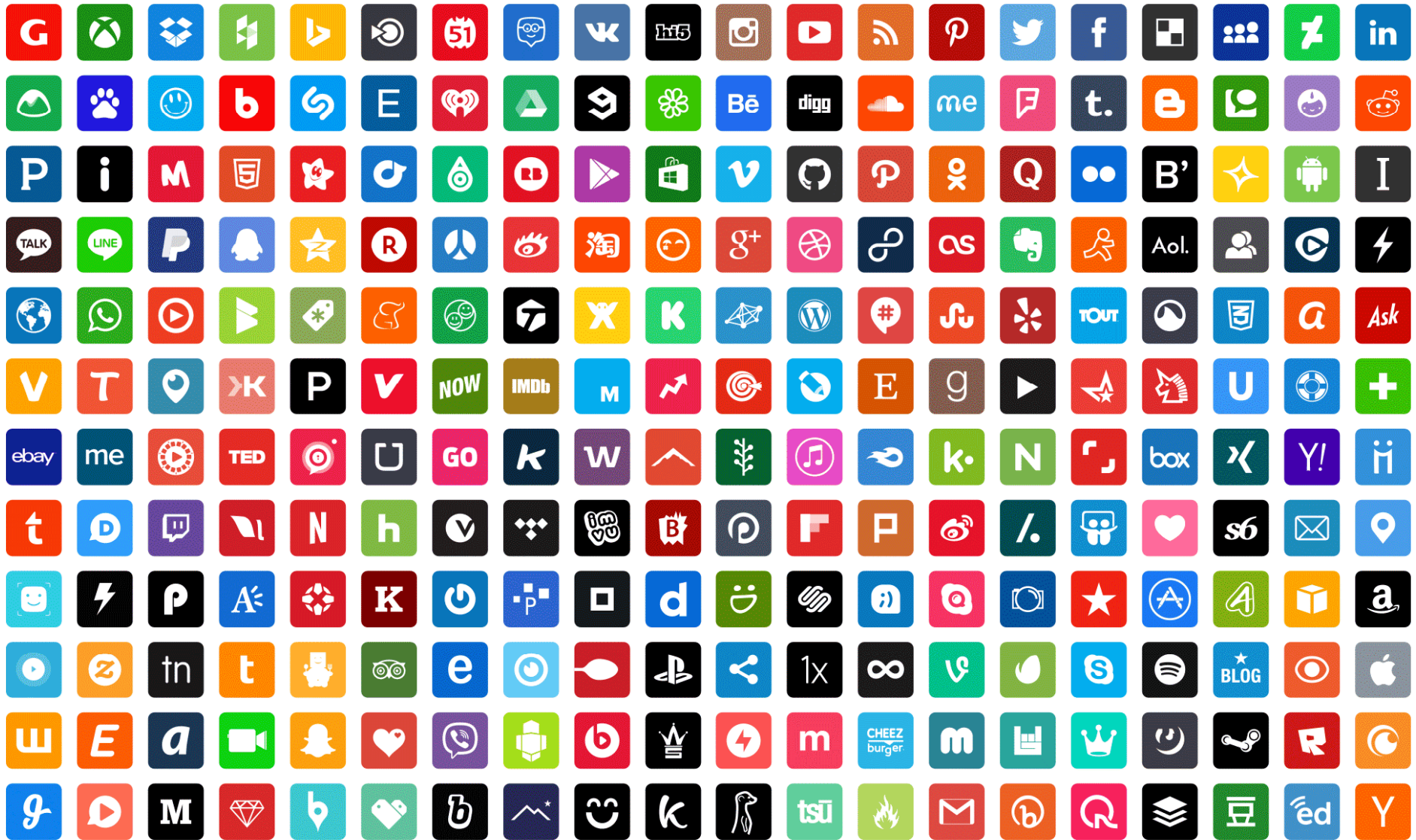
Audiences



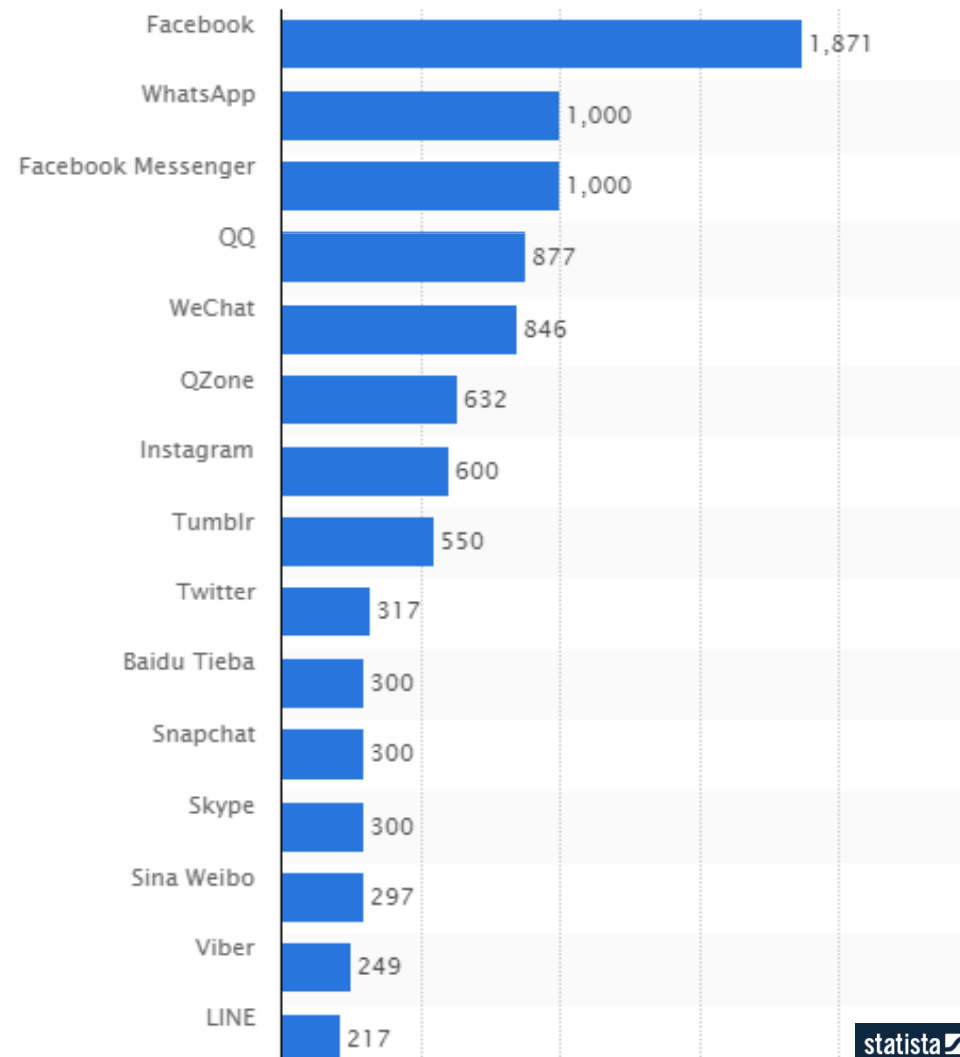
Over
50%
of the world's population is under
30
years old

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#DidUknow?



Most famous social network sites worldwide as of January 2017, ranked by number of active users (in millions)



Power of social media



60 Years

A vision for Peace and Development

30 seconds
before they felt it

New Yorkers
received **tweets**
about an east coast
earthquake

© Erik Qualman

The infographic features a large blue silhouette of a Twitter bird on the left. The text is arranged in two columns. The first column, inside the bird, says '30 seconds before they felt it'. The second column, to the right, says 'New Yorkers received tweets about an east coast earthquake'. The word 'tweets' is highlighted in blue. A small copyright notice '© Erik Qualman' is in the bottom right corner.

Goiania: no Tweets in 1987



60 Years

A year for Peace and Development



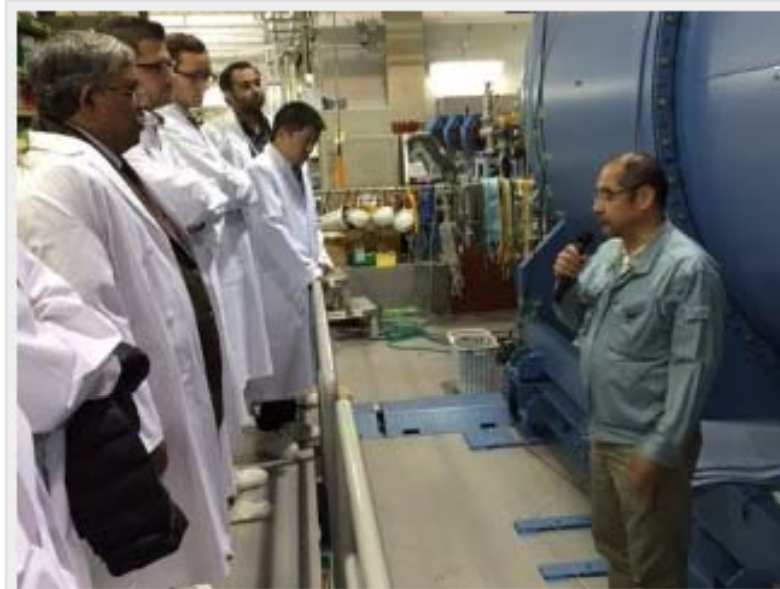
IAEA assistance



Communicate Early, Often and Clearly on Nuclear Power, IAEA Meeting Highlights

2015-10-08 | A commitment to open and transparent communication with the public and media to meet stakeholders' expectations is important for countries planning their first nuclear power programme, participants in an IAEA meeting agreed. How to develop the necessary skills, enhance competences and better respond to stakeholders' needs was the focus of a four-day meeting that ended in Fukui, Japan, today.

The IAEA Technical Meeting on *Best Practices in Media and Public Communication for Nuclear Power Programmes*, hosted by Japan's Fukui Prefectural Government, provided practical guidance on stakeholder involvement for both new and established nuclear power programmes. Participants also discussed good practices and lessons learned from Japan and other countries.



Meeting participants visiting the Wakasa Wan Energy Research Center in Fukui Prefecture, 7 October 2015.
(Photo: T.Tigerstedt/IAEA)

E-Learning



The IAEA logo is positioned in the top left corner of the advertisement. The main title, "The IAEA Approach to Introducing a Nuclear Power Programme", is displayed in a large, bold font. Below the title, a tablet computer is shown with a 3D wireframe model of a nuclear power plant on its screen. The tagline "Bringing decades of expertise to life." is placed to the right of the tablet. At the bottom right, the website address "www.iaea.org/NuclearPower/Infrastructure/elearning" is provided. A video player interface is visible at the very bottom of the image, showing a progress bar and the number "11".

The IAEA

The IAEA Approach to Introducing a Nuclear Power Programme

Bringing decades of
expertise **to life.**

Available at
[www.iaea.org/NuclearPower/
Infrastructure/elearning](http://www.iaea.org/NuclearPower/Infrastructure/elearning)

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E-Learning



Developing a Stakeholder Involvement Strategy

i Select a topic to get started.

> Introduction

▼ Phase 1

> Phase 2

> Phase 3

> Activities in phase 1


- 1 Introduction
- 2 What is a stakeholder?
- 3 Meeting stakeholder expectations
- 4 Developing a stakeholder involvement strategy
- 5 Engaging stakeholders
- 6 Principles of stakeholder involvement
- 7 Stakeholder plans and actions
- 8 First steps
- 9 Creating a knowledge base

Not Started

Begin




Toolbox


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NUCLEAR


Communicator's Toolbox

Tools, tips and techniques to help nuclear communicators navigate in today's world

 **Know What to Say**

 **Getting the Message Out**

 **Working with the Media**


 **Nuclear Matters**

Quick References


[Japanese version](#)

What's this toolbox about?


Know What to Say

 Today, nuclear professionals face increased scrutiny from the public, the media and other constituents. Effective communication is one important way in which an organization can stave off potential crises while positioning itself as a worthy recipient of support and public trust. On the flip side, poor public communication can contribute to antagonistic environment in which nuclear professionals lose public trust. [Read more](#) about communication planning, targeting your audience and crafting your message.


Working with the Media

 You must actively cultivate relationships with reporters and editors if you want your message to get out. Editors need good stories as much as your organization needs coverage, but the way in which you might define a "good story" often differs from that of the news outlets. To position your organization as a valued news source, it's essential to know how to work with the media. [Read more](#) about effective tools for media relations, how to work with reporters and handle those palm-sweating interviews.

Getting the Message Out

 In 1850, Paul Reuter, the founder of Reuters press agency, used a fleet of over 45 homing pigeons to deliver news and stock prices between Brussels and Aachen. Today, if you want to get your message out, there are a many ways to choose from, none of them with wings but lively and innovative none the less. [Read more](#) about key communication channels, how to write a press release, how to use good stories to grab your audience, the role of the spokesperson and presentations with more than just bullet points.

Nuclear Matters

 Some topics are easier talked about than others. Nuclear isn't one of them. Not only is it a complex subject covering everything from alpha particles to Zircaloy, but the subject matter can also be highly charged. While nuclear techniques and applications provide a vast range of benefits, communicating these benefits to the public takes communication savvy. [Read more](#) about key issues and messages in the nuclear field, tips for crisis communication and how to deal with the news media on nuclear issues.

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being updated

In short...



Openness / Discretion

Communicate before crises arise

Global standards/ideas, local solutions

**Follow trends
(will be drastically different in 5-10 years)**



Thank You!

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