



# **Science & Technology in post-2015 Sustainable Development Agenda**

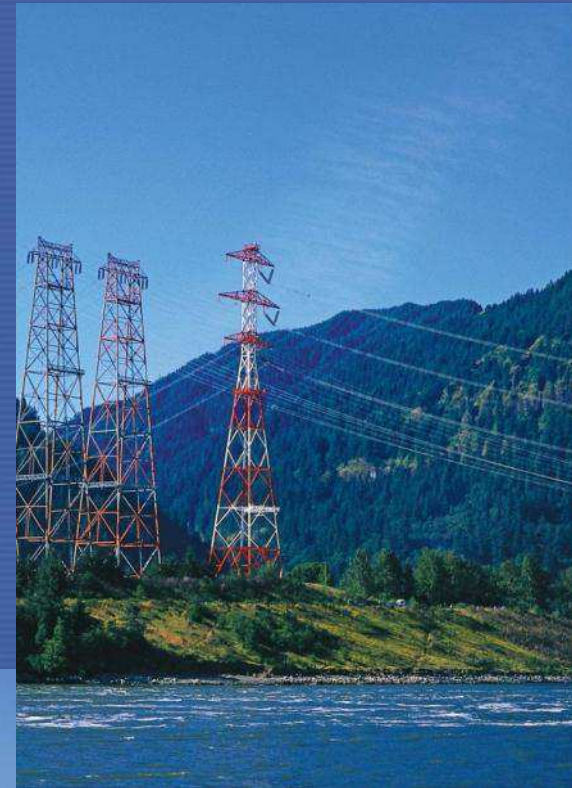
**Ayhan Evrensel  
Communication Adviser  
IAEA Department of Nuclear Energy**

**23<sup>rd</sup> WiN Global Annual Conference  
IAEA, 27 August 2015**



# IAEA Statute

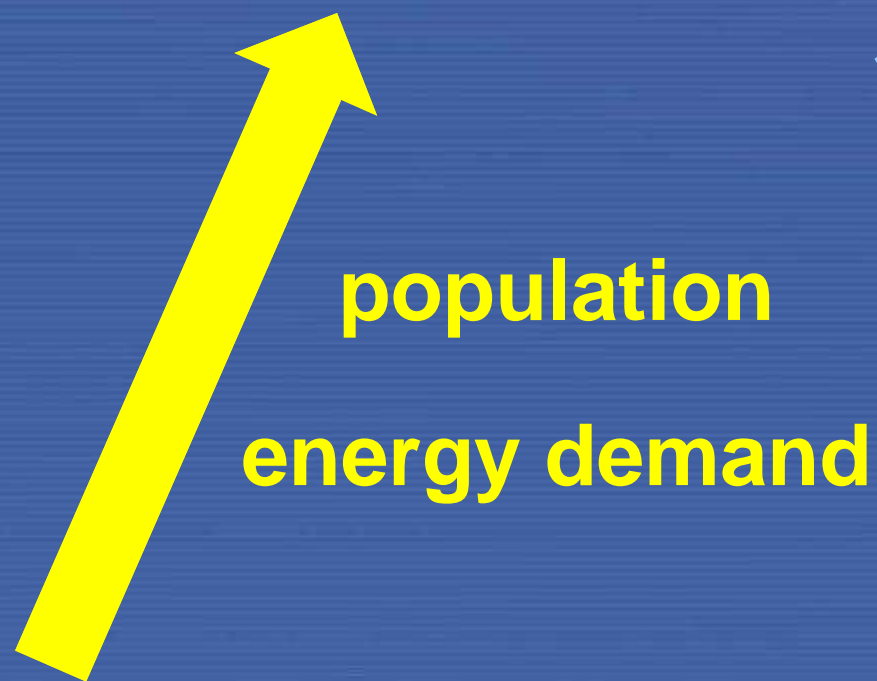
**“...accelerate & enlarge  
contribution of atomic energy  
to peace, health and  
prosperity...”**



# SE4ALL



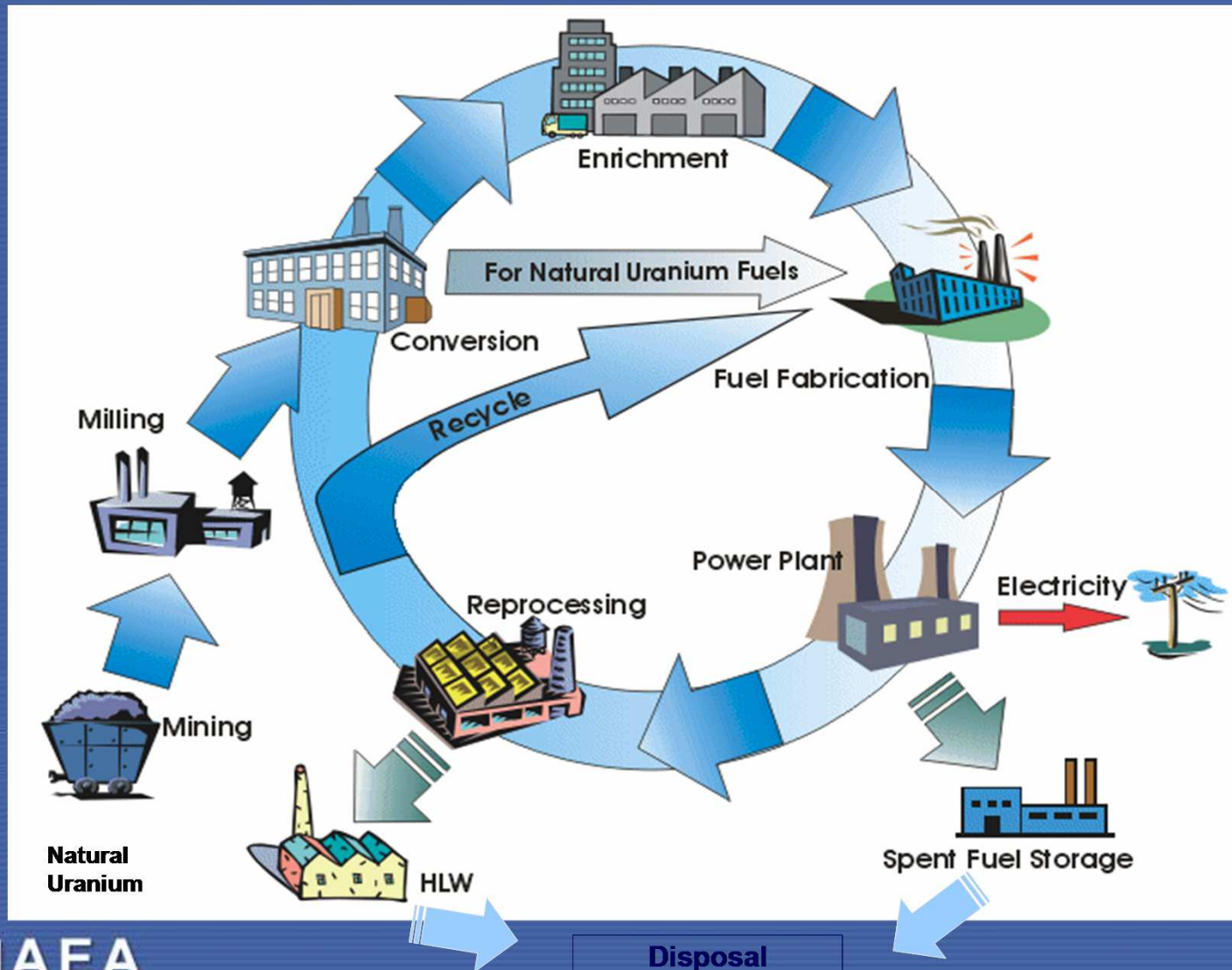
# Energy challenge



**Anthropogenic  
Climate Change**



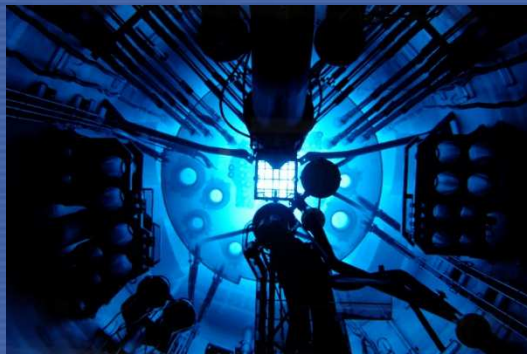
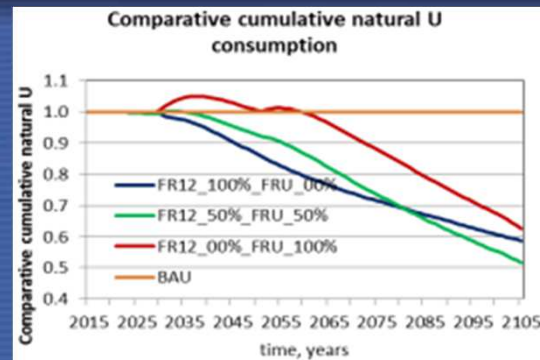
# Nuclear fuel cycle



# S&T: cradle to grave of nuclear world



MEGATEM, Dash 7



CLIMATE CHANGE  
AND  
NUCLEAR POWER  
2014



CHANGEMENTS  
CLIMATIQUES ET  
ÉNERGIE NUCLÉAIRE



International Atomic Energy Agency Scientific Forum

## RADIOACTIVE WASTE: MEETING THE CHALLENGE

Science and Technology for  
Safe and Sustainable Solutions

23–24 September 2014, Vienna, Austria

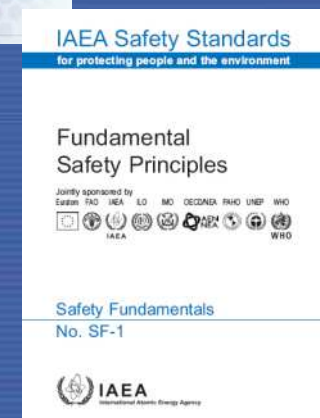
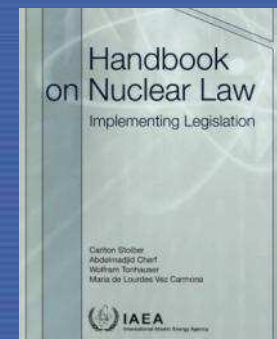
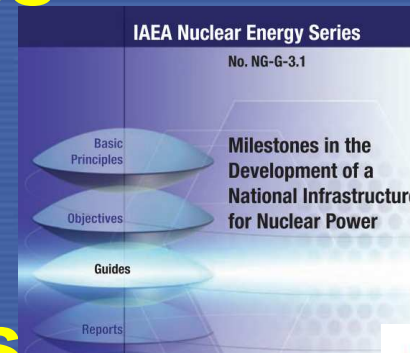


# IAEA services & products

- Databanks
- Peer reviews
- Summaries of experience, new knowledge, best practices
- Training, e-learning
- Standards, guidelines
- Technical ref. documents
- Research coordination



Considerations to Launch a  
Nuclear Power Programme



# IAEA ↔ S&T

## Science and Technology as a Central Part of the Post-2015 Development Agenda

IAEA Director General Yukiya Amano's Address to the UN General Assembly

By Staff Report

06

November 2014



IAEA Director General Yukiya Amano addressing the 69th United Nations General Assembly in New York on 3 November 2014. (Photo Credit: Rick Bajornas/UN)

IAEA Director General Yukiya Amano called for the importance of science and technology to be recognised as a central part of the global development agenda.

In his annual address to the United Nations General Assembly on 3 November 2014, he reviewed the IAEA's work over the past twelve months and outlined priorities for the future.

"The nations of the world are presently considering new sustainable development goals for the years after 2015," the Director General said. "I believe nuclear science and

### Related Resources

[Statement to the Sixty-Ninth Regular Session of the United Nations General Assembly](#)

[Challenges in Nuclear Verification: IAEA's Role on the Iranian Nuclear Issue](#)

[IAEA Annual Report for 2013](#)



# IAEA ↔ S&T

## Inspiring High School Students to Pursue Careers in Nuclear Science

### IAEA Project Aims to Put Wow Factor in Secondary Science Education

By Brenda Pagannone, Training Specialist, IAEA Department of Nuclear Energy

04

November 2014



The Compendium aims to encourage high school students to pursue careers in science, technology, engineering and mathematics.

A career in nuclear science can be equally as engaging as a career in Google or Coca-Cola.

With support from the IAEA, this is the message that science educators want to impart to high school students in four countries, using a tool called Compendium that aims to increase awareness and appreciation for nuclear science and technology among the youth.

Compendium is short for *A Compendium of Resources and Activities for Secondary School Teachers and Students on Nuclear Science and Technology*. Prepared under a

#### Related Resources

[IAEA Department of Technical Cooperation](#)

# IAEA ↔ S&T

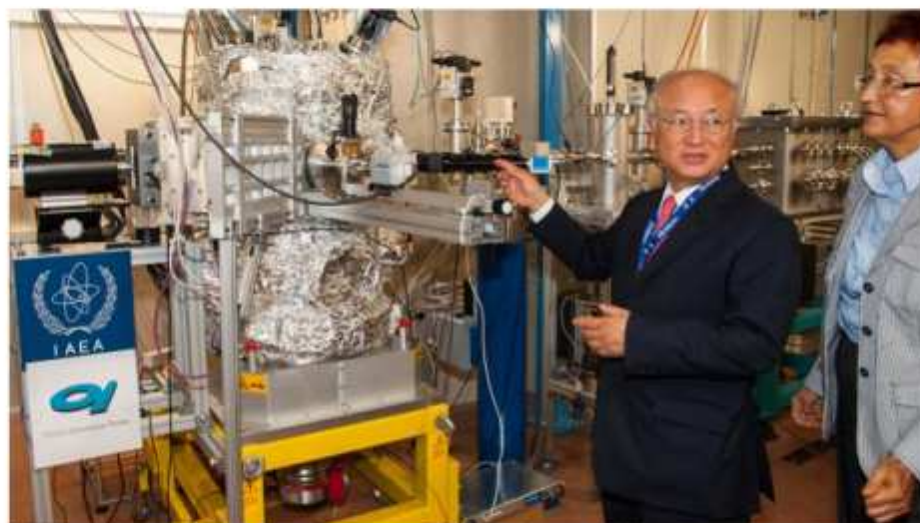
## Improving Access to Synchrotron Beamlines

IAEA, Italian Institute Cooperate to Make Sophisticated Research Possibilities More Available to Scientists

By Susanna Löf and Ralph Kaiser IAEA Office of Public Information and Communication and IAEA Department of Nuclear Sciences and Applications

21

October 2014



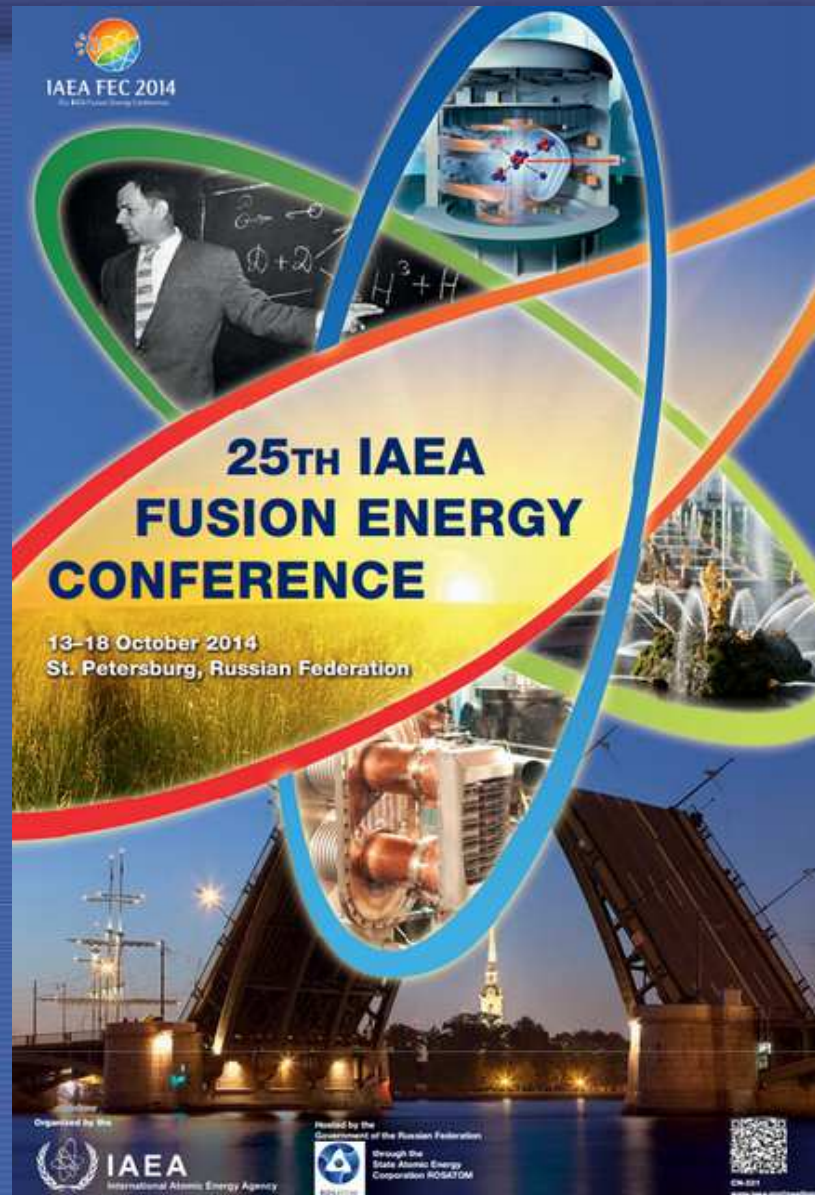
IAEA Director General Yukiya Amano during the inauguration of the new XRF beamline at Elettra Sincrotrone Trieste, in early October 2014. (Photo: Elettra)

The intense beam of X-rays created by a particle accelerator known as a synchrotron is crucial for certain types of research, but with demand for research use exceeding supply, it is hard to access for many scientists. A new International Atomic Energy Agency - supported beamline at a synchrotron in Trieste, Italy, will reduce the hurdles facing some scientists queuing up to do synchrotron research.

### Related Resources

- [Statement at Abdus Salam International Centre for Theoretical Physics](#)
- [International Centre for Theoretical Physics](#)

# IAEA ↔ S&T





# Coordinated Research Activities (CRAs)

Uniting the World through Research



# IAEA CRPs (2015)

- 125 coordinated research projects (CRPs)
- ~1,500 research institutions involved
- ~€7 million
- ~€6,000 award per contract per year
- ~duration: 5 years
- ~1/4 of CRPs related to



@IAEANE

# 23rd WiN Global Annual Conference

# Women in Nuclear meet Atoms for Peace

4-28 August 2015, Vienna, Austria



IAEA

Nuclear  
Energy

TWEETS  
1,970

FOLLOWING  
153

FOLLOWERS  
1,875

FAVORITES  
6

LISTS  
1

Edit profile

## IAEA NE

@IAEANE

IAEA Dept. of NUCLEAR ENERGY:  
Safe, Secure, Responsible, Sustainable  
Nuclear Energy [Follows & RTs ≠  
endorsements]

Vienna, Austria

[iaea.org/NuclearEnergy](http://iaea.org/NuclearEnergy)

Joined June 2012

150 Photos and videos



Tweets

Tweets & replies

Photos & videos



IAEA NE @IAEANE · 2h

**#IAEA** starts reviewing **#Kenya's #nuclear**  
power infrastructure development  
[goo.gl/cCQLEj](http://goo.gl/cCQLEj)



3 1