



IAEA education and training activities- past and future

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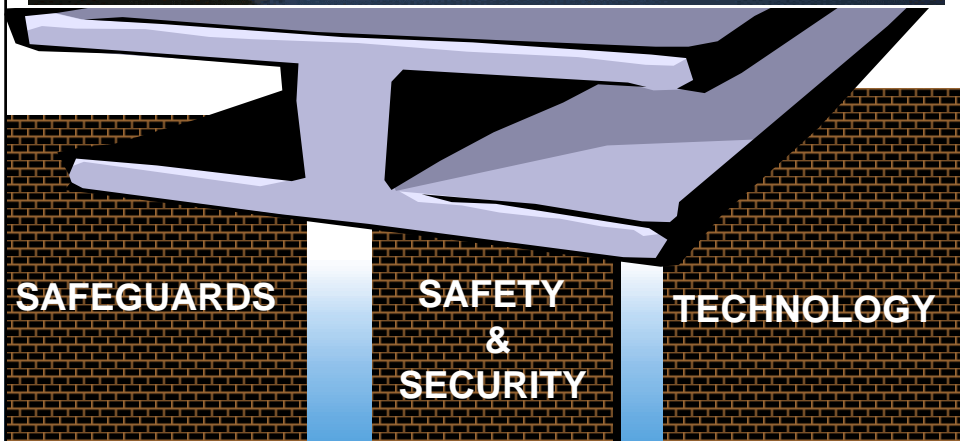
BACKGROUND

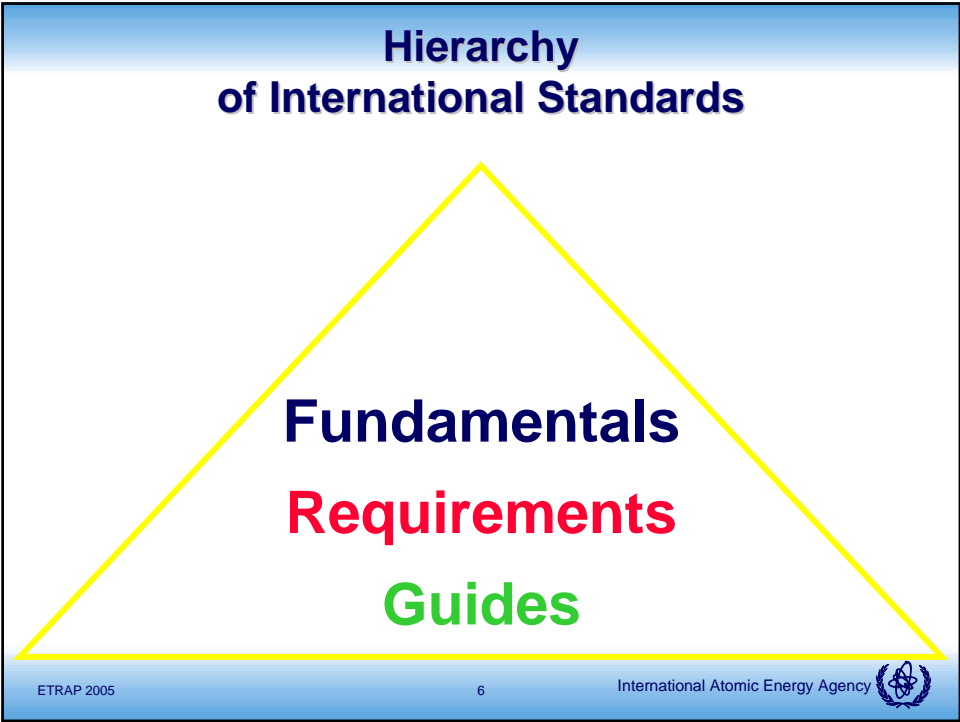
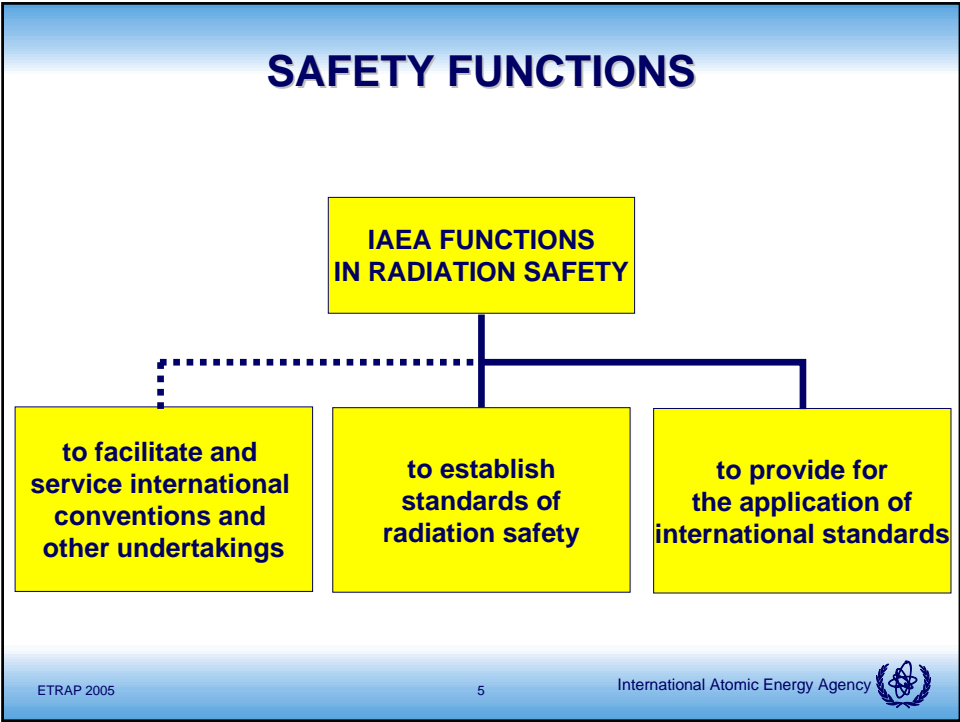
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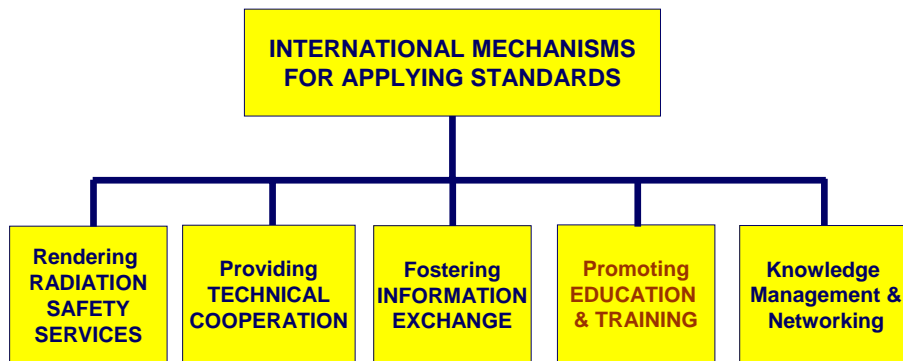
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Provisions for Applications of Standards



Presumption

The International Standards are based on the **presumption** that a national **infrastructure is in place ...**



Definitions of Infrastructure

(BSS and GS-R-1)

The BSS and Legal & Governmental Infrastructure

The essential elements are:

- legislative & statutory;
- Regulatory Authority;
- Sufficient financial & **human resources**; &
- supporting technical services services, and employers, registrants and licensees, as well as others bearing responsibility for safety.



EDUCATION & TRAINING



RESPONSIBILITIES

LEGAL PERSONS

MEMBER STATES

IAEA



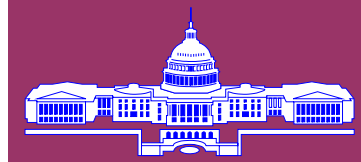
RESPONSIBILITIES

I- Legal Persons:

Legal persons have the primary responsibility for applying the Standards.



RESPONSIBILITIES (cont'd)



II- Member States:

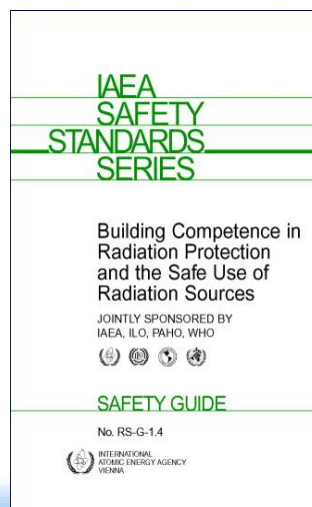
Governments enforce the standards through, inter alia:

- A regulatory framework, requiring appropriate **education & training** for all concerned personnel & assigning responsibilities for its provision.

RESPONSIBILITIES (cont'd)

III- The Agency:

Establishing standards & supporting documents

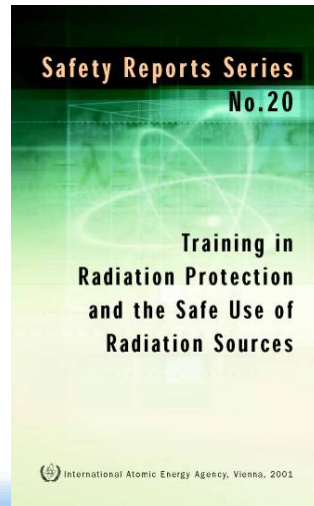


RESPONSIBILITIES (cont'd)

III- The Agency

(cont'd):

Establishing standards & supporting documents

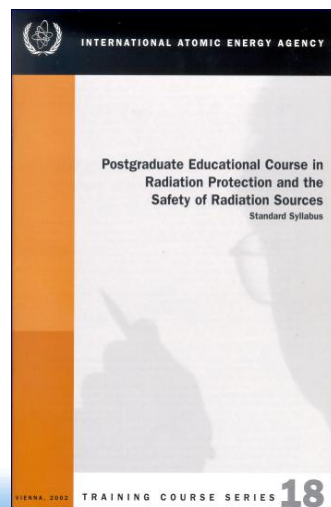


RESPONSIBILITIES (cont'd)

III- The Agency

(cont'd):

Establishing standards & supporting documents



RESPONSIBILITIES (cont'd)

III- The Agency (cont'd):

- **Support for educational & training courses, workshops, seminars, OJT, scientific visits and distance learning.**

RESPONSIBILITIES (cont'd)

III- The Agency (cont'd):

- **Support to MSs for establishing sustainable national and/or regional Centers and education & training programmes.**

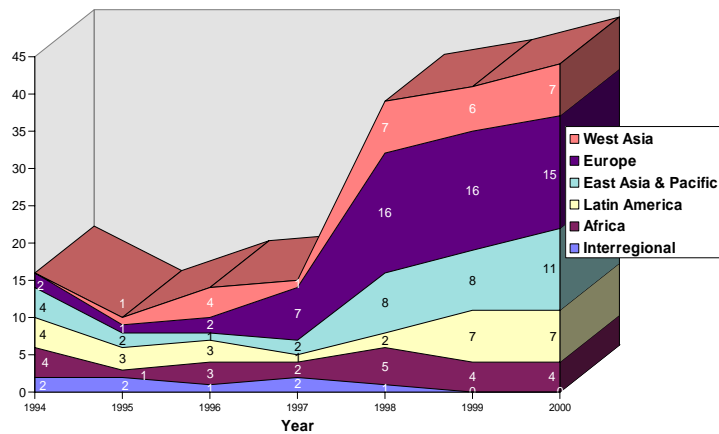
RESPONSIBILITIES (cont'd)

POLICY

- Post-graduate educational course
- Specialized training courses
- Workshops
- Fellowships
- Scientific Visits
- Seminars

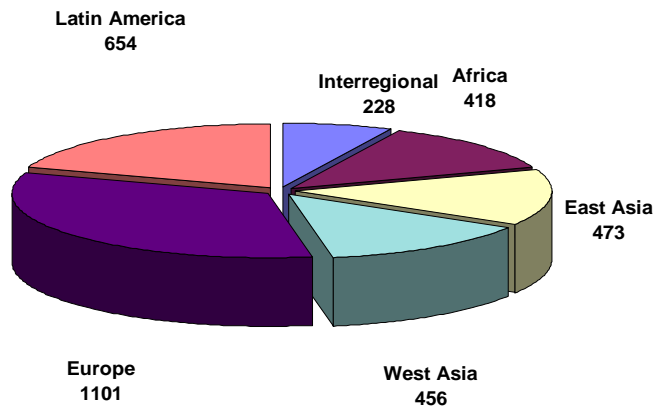
PAST ASSISTANCE (cont'd)

Radiation Safety Training 1994 - 2000
Training Courses by Year and by Region



PAST ASSISTANCE (cont'd)

Radiation Safety Training 1994 - 2000
Training Course Participants by Region



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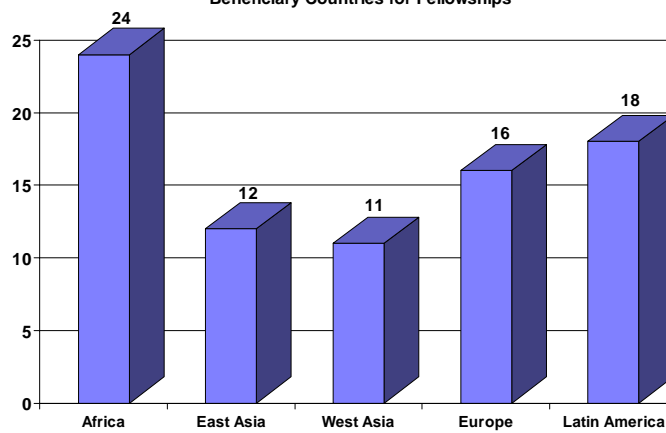
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PAST ASSISTANCE (cont'd)

Radiation Safety Training 1994-2000
Beneficiary Countries for Fellowships



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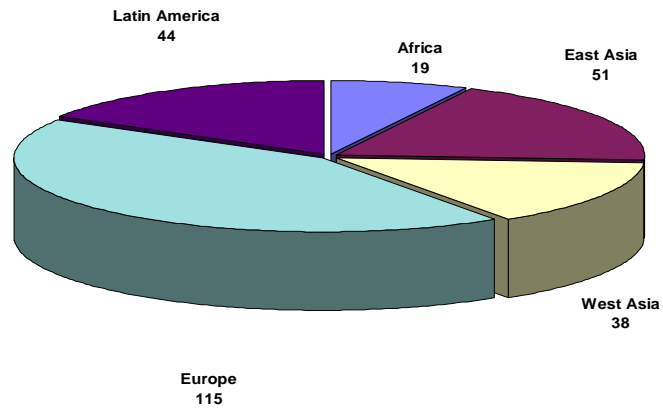
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PAST ASSISTANCE (cont'd)

Radiation Safety Training 1994 - 2000
Scientific Visits by Region



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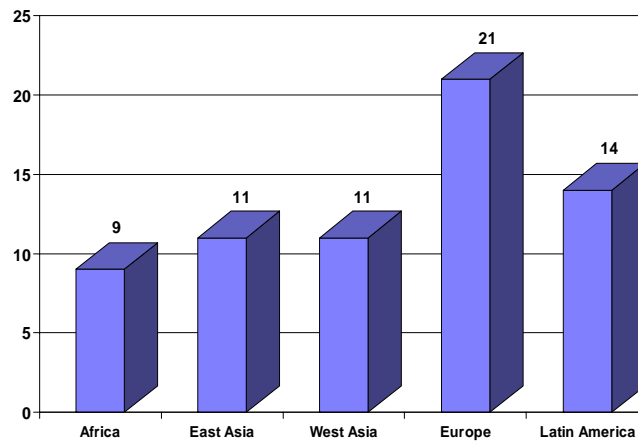
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PAST ASSISTANCE (cont'd)

Radiation Safety Training 1994 - 2000
Beneficiary Countries for Scientific Visits



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EVALUATION

- Need for more **integrated** approach.
- Need for more **corporate** image.
- **Reactive** rather than **proactive**.
- Creates a culture of **dependency**. rather than a culture of **sustainability**.



GC RESOLUTIONS (cont'd)

GC(45)/RES/ 10 C (2001)

- urged the Secretariat to implement the **strategic plan** ... and concludes **long term formal agreements** with regional centres for education and training activities.



THE STRATEGY

VISION

A **sustainable** education and training system is in place in Member States compatible with the requirements of the BSS and other relevant radiation safety standards.



THE STRATEGY (cont'd)

OBJECTIVES



- To put in place an **appropriate** education and training **programme** as a mechanism for the implementation of the BSS and other relevant safety standards;



THE STRATEGY (cont'd)

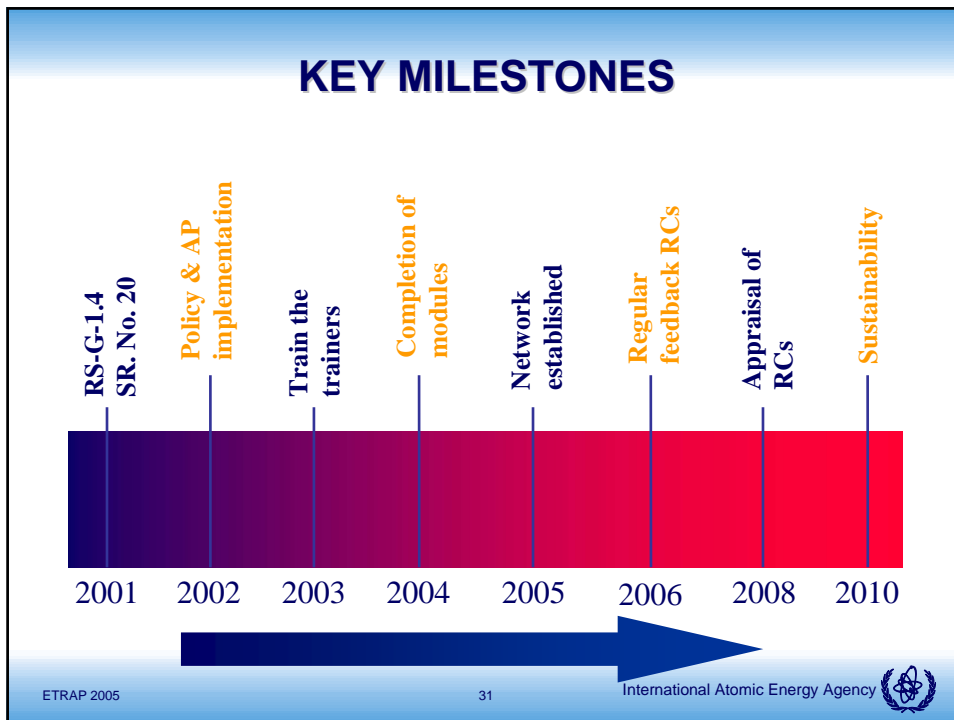
OBJECTIVES (cont'd)

- To encourage appropriate knowledge and understanding to **promote and sustain safe** working practices

THE STRATEGY (cont'd)

OBJECTIVES (cont'd)

- To promote the continuous **exchange** of information between Member States as an essential mechanism for establishing and maintaining safety - **NETWORKING**.



Implementation of Strategy

Steering Committee:

- **Argentina, Austria, Belarus, Brazil, Cuba, Germany, Greece, India, Japan, Korea, France, Malaysia, Morocco, Netherlands, Spain, Syria, UK, USA, EC and IRPA.**

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SUPPORT

- **GC(46)/RES/9C in 2002 urged the secretariat to continue implementing the strategic plan.**
- **GC(47)/RES/7 in 2003 underlined the fundamental importance of education and training , welcomed the continued implementation of the strategy.**

SUPPORT

- **GC(49)/RES/9 in 2005 urged the Secretariat to continue to strengthen E&T and to maintain its support for regional centres & consider concluding long-term agreements with regional centres..**

FUTURE

Future Activities

- **To implement and maintain the strategy for education and training, for radiation, transport and waste safety.**

Future Activities cont'd...

- **To establish, implement and maintain a global network for fostering information exchange in radiation, transport and waste safety as an element of the strategic plan**

Future Activities – cont'd...

- **To ensure consistency, integration and harmonization of technical support provided by NSRW to the Technical Co-operation programmes covering all regulatory and technical aspects of radiation, transport and waste safety areas**

Future Activities – cont'd...

- **To establish and keep up to date Country Radiation and Waste Safety Profiles and related Action Plans- relevant to education and training.**

Future Activities – cont'd...

- **To develop training materials- Radiation Protection Officers (R.P.O.) and less informed target audiences.**
- **To translate validated training packages into official Agency languages**

Future Activities - cont'd...

To implement E Learning in two phases

- **Phase I**

To adopt the same structure as in the paper based training material

Phase II

To develop interactive lessons and upload as and when completed

Future Activities – cont'd...

- To ensure the availability of suitable trainers, both national and international, organise **Train the Trainers** workshops on themes, in accordance with the packages developed and introduce them to potential lecturers.

Future Activities – cont'd..

- To assess the effectiveness of a training centre and to systematically assess the training needs through **Education and Training Appraisals (EduTA)**, using :
the protocol document developed and accepted by steering committee



Thank you!

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