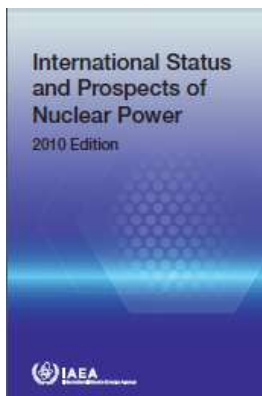


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## Publicações Oferecidas

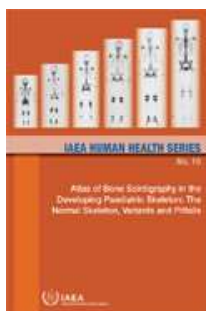


### International Status and Prospects of Nuclear Power (2010)

This report presents an overview of the status of the global use of nuclear energy (as of beginning 2010) and the prospects for its development in the coming years. It is based on information available to the IAEA on the intentions of countries with regard to their application of nuclear energy. Challenges facing nuclear power countries are highlighted, as well as requirements for building and sustaining the necessary infrastructure for nuclear power and its associated fuel cycle.

[www.iaea.org/Publications/Booklets/NuclearPower/np10.pdf](http://www.iaea.org/Publications/Booklets/NuclearPower/np10.pdf)

### IAEA Human Health Series



### Atlas of Bone Scintigraphy in the Developing Paediatric Skeleton: The Normal Skeleton Variants and Pitfalls

#### IAEA Human Health Series 16

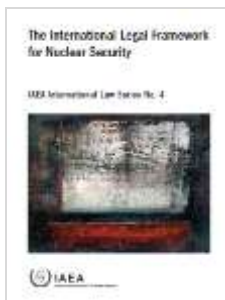
Subject Classification: 0103-Medical physics (including dosimetry)STI/PUB/1491(ISBN:978-92-0-112710-5)349 pp.;422 figures;

[http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1491\\_web.pdf](http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1491_web.pdf)

#### DESCRIPTION

Bone scintigraphy is a widely accepted method for the evaluation of paediatric bone metabolism. Its strengths are high sensitivity and the capability to investigate the entire skeleton in a single examination. The interpretation of bone scanning in children is challenging and requires knowledge of the appearance of the maturing skeleton. The atlas provides an overview of issues related to the bone physiology and variants, and points out pitfalls that might be encountered in daily routine work. Specific suggestions and hints assist in establishing adequate imaging protocols to deliver optimal image quality adjusted to the needs of each age group. The atlas will serve as a valuable reference for nuclear medicine physicians, radiologists and orthopaedic surgeons and those involved in teaching and performing paediatric bone scan imaging.

## IAEA International Law Series



## The International Legal Framework for Nuclear Security

### IAEA International Law Series 4

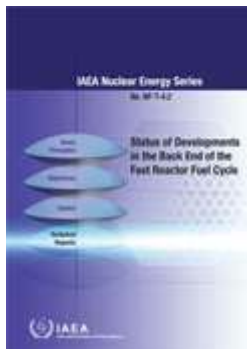
Subject Classification: 1100-Legal mattersSTI/PUB/1486(ISBN:978-92-0-111810-3)23 pp.

[http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1486\\_web.pdf](http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1486_web.pdf)

## DESCRIPTION

This publication brings together the primary legally binding international instruments and the internationally accepted non-binding instruments that constitute the international legal framework for nuclear security. It sets out the legislative bases for the mandate of the International Atomic Energy Agency in the area of nuclear security, in order to increase awareness of the Agency's role in facilitating national, regional and international efforts to enhance nuclear security, including measures to protect against nuclear terrorism. It is intended that the overview of the salient provisions of the relevant binding and non-binding instruments will increase the understanding of the existing legal framework governing nuclear security and counter-terrorism and thereby assist States, intergovernmental organizations and other stakeholders in the implementation of those provisions at the national, regional and international level.

## IAEA Nuclear Energy Series



## Status of Developments in the Back End of the Fast Reactor Fuel Cycle

### IAEA Nuclear Energy Series NF-T-4.2

Subject Classification: 0800-Nuclear fuel cycle and waste management STI/PUB/1493(ISBN:978-92-0-112910-9)87 pp.;17 figures;

Date Published: 2011

[http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1493\\_web.pdf](http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1493_web.pdf)

## DESCRIPTION

Closed fuel cycle schemes in combination with fast reactors are emerging as the key strategy for sustainable development of nuclear energy. The back end fuel cycles for fast reactors and thermal reactors mainly differ with respect to the reprocessing operations. This publication highlights emerging innovations and R&D needs for the back end of the fast reactor fuel cycle, with emphasis on reprocessing of spent mixed uranium and plutonium based ceramic and metallic fuels. The publication has been prepared in collaboration with experts from Member States and will serve as a useful resource for nuclear scientists and engineers involved in fast reactor fuel development as well as reprocessing of spent nuclear fuel for sodium cooled fast reactors.

## IAEA Human Health Reports



## Implementation of the International Code of Practice on Dosimetry in Diagnostic Radiology (TRS 457): Review of Test Results

### IAEA Human Health Reports 4

Subject Classification: 0103-Medical physics (including dosimetry)  
STI/PUB/1498 (ISBN:978-92-0-114010-4) 129 pp.; 51 figures;  
Date Published: 2011

[http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1498\\_web.pdf](http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1498_web.pdf)

## DESCRIPTION

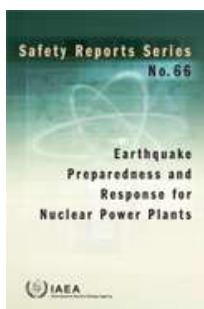
This publication is supplementary to TRS 457: Dosimetry in Diagnostic Radiology: An International Code of Practice. It details the application of the code of practice, both in the area of standards laboratories and in clinical medical physics. New material in the areas of kerma area product (KAP) meter calibration and discussions on beam qualities appropriate for KAP meter and mammography measurements are presented. The results of diagnostic dosimetry implementation tests, along with recommendations for use of the code of practice, are discussed, including examples of CT dose calculations and of the estimation of uncertainty.

## Safety Reports Series



[http://www-pub.iaea.org/MTCD/Publications/PDF/TRS457\\_web.pdf](http://www-pub.iaea.org/MTCD/Publications/PDF/TRS457_web.pdf)

## Safety Reports Series



## Earthquake Preparedness and Response for Nuclear Power Plants

### Safety Reports Series 66

Subject Classification: 0603-Nuclear power plants  
STI/PUB/1473 (ISBN:978-92-0-108810-9) 185 pp.; 8 figures;  
Date Published: 2011

[http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1473\\_web.pdf](http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1473_web.pdf)

## DESCRIPTION

This Safety Report provides up to date detailed guidance on actions to be taken in preparation for, and following, an earthquake at a nuclear power plant, taking into account the gained knowledge and experience of Member States from the occurrence of strong earthquakes that affected nuclear power plants up to 2010. The publication is a compilation of available references based on related standards and proposes a more comprehensive set of criteria than the existing ones in some national regulations, based on damage and earthquake exceedance levels for dealing with situations related to plant shutdown, plant restart or plant continuing operation following the occurrence of an earthquake which may exceed the original design level. It will be a useful tool for regulatory bodies, specialists on earthquake engineering and technical support organizations.



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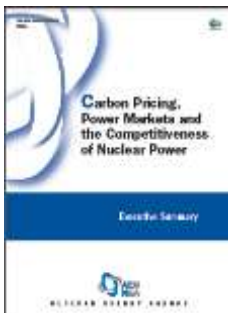
## UNSCEAR 2008 REPORT Vol. II

### UNSCEAR 2010 Report: "Summary of low-dose radiation effects on health".

The [UNSCEAR 2010 Report](http://www.unscear.org/docs/reports/2010/UNSCEAR_2010_Report_M.pdf) comprises the main text of the 2010 report to the General Assembly ( A/65/46) and a scientific report.

[http://www.unscear.org/docs/reports/2010/UNSCEAR\\_2010\\_Report\\_M.pdf](http://www.unscear.org/docs/reports/2010/UNSCEAR_2010_Report_M.pdf)

RP-ERB  
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(L-11971)



### Carbon Pricing, Power Markets and the Competitiveness of Nuclear Power

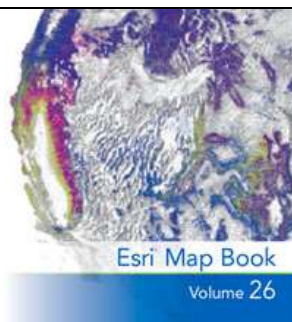
English, 106 pages, published: 06/23/11

NEA#06982, ISBN: 978-92-64-11887-4

Volume of the series: Nuclear Development

Available online at:

<http://www.oecd-nea.org/ndd/reports/2011/carbon-pricing-exec-sum-2011.pdf>



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