Radiological protection of the environment - sharing knowledge

Introduction

It is now generally accepted that there is a need to explicitly demonstrate that the environment is protected from authorised discharges of radioactive substances. In response a number of assessment tools (models) have been developed. As the need for environmental assessment increases there is a requirement to ensure that regulators, industry and their representatives are:

- conversant with assessment objectives
- know how to use available tools
- can interpret the results
- understand the implications of how the tools are used

We have developed training packages on radiological environmental assessment aimed specifically aimed at regulators and industry and those who may conduct assessments on their behalf. The courses are lead by the Centre for Ecology & Hydrology with collaborators from the University of Stirling and University of Salford. The training programme is focused towards the use of the ERICA Tool however we also consider other approaches.

To date we have run training courses in United Kingdom, Australia, South Africa and Monaco; see Training courses - schedule & details for further information and feedback from participants.

Radiological Protection of the Environment: Full training course

If you would like to be added to to the mailing list for information on a forthcoming course contact Cath Barnett

For further details on the course content etc. see the following link

- Sample Agenda
- Topics covered during the course

We can also organise bespoke training courses tailored to your needs

We have ran courses in the UK, Australia and South Africa which were attended by participants representing organisations such as national and state regulators, the uranium mining industry and consultants. The courses were an adaptation of those we have run in the UK, but, focused to more local interests with associated practical exercises.

If you would like us to organise a similar course for you please contact Cath Barnett for more information.

You can see the questions people have asked on environmental assessment together with our answers here Questions & Answers

News

News site no longer being updated

Please see www.radioecology-exchange.org for more up to date radioecology related news

Posted by: Cath Barnett 1/7/16

Radon Dose Calculator

A spreadsheet model to estimate radon dose rates for wildlife has been made available on this site.

See: Radon dose calculator

Posted by: Nick Beresford/Jordi Vives i Batlle 5/7/2013

Comment on future revision of the ERICA Tool

The STAR consortium includes a number of the organisations who developed the ERICA Tool. It is intended that the ERICA Tool will form a component of the screening tier tool for conducting combined human and non-human assessments to be developed by STAR. Consequently, the STAR consortium will collaborate in the forthcoming update of the ERICA Tool anticipated to be released in autumn 2013. This update will take into account: lessons learnt during model inter-comparison exercises (e.g. the IAEA EMRAS programmes and the EURATOM PROTECT project), user feedback, and recent evaluations. See here for details and feedback form.

Posted by: Cath Barnett 9/1/2013

RESRAD training courses

Argonne National Laboratory will conduct a series of training courses on the use of RESRAD family of risk assessment codes from March 12-22, 2013. See http://web.ead.anl.gov/resrad/training/.

Posted by: Cath Barnett 19/12/2012

New TRS published

Guidelines for Remediation Strategies to Reduce the Radiological Consequences of Environmental Contamination. Technical Reports Series 475.

Posted by: Catherine Barnett 13/12/2012

STAR Strategic Research Agenda

STAR (see info below) invites comments on its Strategic Research Agenda which proposes 15 major research topics in radioecology with the goals of improving research efficiency and more rapidly advancing the science.

Consultation closed.

Updated by: Catherine Barnett 12/10/2012

The Radioecology Exchange

STAR is an EC EURATOM funded project with objectives to integrate radioecology programmes in key European organisations, develop joint training programmes, manage and disseminate knowledge and conduct a focused research programme.

Please see the STAR Radioecology Network of Excellence website

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for more information.

Updated by: Catherine Barnett 12/06/2012

Approaches to providing missing transfer parameter values in the ERICA Tool - How well do they work?

New paper available on-line evaluating the approaches used to provide missing values in the ERICA Tool.

Posted by: Catherine Barnett 12/06/12