

Wednesday 23 may 2012 - 8:00-12:45

Chair/co-chair: F. Bréchnignac / I. Linkov

Oral Platform for invited talks – part 1

15 min talks + 5 min discussion

| | | | | |
|-------------|-----------------------------|---|---|--------------------------|
| 8:00-8:20 | F. Bréchnignac and al. | Designing an ecosystem approach for ecological risk assessment of radiation: a path forward for radioecology | Attendance confirmed | <i>Extended abstract</i> |
| 8:20-8:40 | D. Oughton and P. Strand | Are we discriminating against ionising radiation? A comparison of environmental risk assessment for radiation and chemical pollutants | Attendance confirmed | <i>Short abstract</i> |
| 8:40-9:00 | S. Al Kaddissi and al. | Are adverse effects of uranium mainly due to its chemotoxicity or its radiotoxicity? | Attendance confirmed | <i>Extended abstract</i> |
| 9:00-9:20 | K. Stark, C. Bradshaw | Importance of the biological role of elements and the trophic level of organisms for transfer of radionuclides to biota | Attendance confirmed | <i>Short abstract</i> |
| 9:20-9:40 | S. Geraskin and al. | Effects of Chronic Radiation Exposure on Plant Populations | Attendance confirmed (financial support: 430 €) | <i>Extended abstract</i> |
| 9:40-10:00 | N. Theodorakopoulos and al. | Analysis of bacterial diversity in a Chernobyl contaminated soil by pyrosequencing | Attendance confirmed | <i>Extended abstract</i> |
| 10:00-10:20 | Z. Baumann and al. | Bioaccumulation of Fukushima-derived radionuclides by local marine biota | Attendance confirmed (financial support: 500 €) | <i>Short abstract</i> |

Poster session (viewing)

and Coffee Break

| | | | | |
|-------------|---------------------------------|---|--|-----------------------|
| 10:20-10:45 | Y. Kuthlakmedov and I. Matveeva | The concept of radiocapacity: theory and application for estimations of ecological risks in ecosystems | | <i>Short abstract</i> |
| | S. Uchida and al. | Radiocesium distribution in a bamboo forest | | <i>Short abstract</i> |
| | M. Jeambrun and al. | The activity of uranium, thorium and some decay products in chickens and eggs | | <i>Short abstract</i> |
| | P. Ele Abiama and al. | Annual intakes of ²²⁶ Ra, ²²⁸ Ra and ⁴⁰ K in staple foodstuffs from a high background radiation area in the southwest region of Cameroon | | <i>Short abstract</i> |
| | T. Sauras and al. | Incorporating plant physiological pathways to mechanistic modelling soil-to-plant transfer of radionuclides. | | <i>Short abstract</i> |

Oral Platform for invited talks – part 2

15 min talks + 5 min discussion

| | | | | |
|-------------|--------------------------------|--|----------------------|--------------------------|
| 10:45-11:05 | A. Bolsunowsky and E. Muratova | The effect of radionuclide contamination of the Yenisei River on cytogenetic characteristics of aquatic plants | Attendance confirmed | <i>Extended abstract</i> |
| 11:05-11:25 | N. Horemans and al. | Speciation, bioavailability and toxicity of uranium in different <i>Lemna minor</i> growth media | Attendance confirmed | <i>Short abstract</i> |
| 11:25-11:45 | K. Tagami and al. | Change of radiocesium concentration in tree leaves before and after abscission | Attendance confirmed | <i>Short abstract</i> |
| 11:45-12:05 | E. Saenen and al. | Dose-dependent effects induced by uranium (U) at pH 4.5 in <i>Arabidopsis thaliana</i> | Attendance confirmed | <i>Extended abstract</i> |
| 12:05-12:25 | F. Carini | Environmental sensitivity as a tool for the risk assessment of using nuclear energy | Attendance confirmed | <i>Extended abstract</i> |
| 12:25-12:45 | H. Vandenhove | Agricultural land management options following large-scale environmental contamination | Attendance confirmed | <i>Extended abstract</i> |

12:50-13:50 Lunch break