**Enlargement and Integration Action WORKSHOP**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Dissemination of Knowledge &amp; Expertise in the field of nuclear fuel safety</th>
<th>Institute</th>
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</thead>
<tbody>
<tr>
<td>2015-ITU-09</td>
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<td>ITU</td>
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### Detailed description

The workshop proposes an exchange of experience and knowledge in fuel performance analysis for West and East European nuclear reactors, as well as discussion of the experimental results used for development and validation of the TRANSURANUS fuel performance code.

The workshop goal is the discussion on the fuel performance analysis for West and East European nuclear reactors and on the experimental results used for development and validation of the TRANSURANUS fuel performance code, with a focus on design basis accidents that are currently included in benchmarks of the IAEA (for LOCA) and the NEA (for RIA).

This workshop will be of particular interest to researchers performing experimental or modelling work in any aspect of fuel rod behaviour, particularly cladding interactions with fuel and coolant under high sustained temperature, rapid heat-up & quenching conditions like during design basis accident conditions. In particular the TRANSURANUS users involved in the new FUMAC benchmark of the IAEA and those of the new RIA benchmark of the NEA are recommended to attend the meeting.

### Objectives, policy relevance and content of workshop

The workshop proposes an exchange of experience and knowledge in fuel performance analysis for West and East European nuclear reactors, as well as discussion of the experimental results used for development and validation of the TRANSURANUS fuel performance code.

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### Date, place and duration

8-9 June 2015; ITU, Karlsruhe, 2 days

### Deadline for application

30 April 2015

### Target deadline for results of selection

15 May 2015

### Participants profile

The TRANSURANUS code is used across the EU by safety authorities, universities, research organisations and industry. Representatives from these organisations having a valid licence agreement for the TRANSURANUS code are therefore expected.
| Country of origin of participants | • Participants from organisations of countries like Armenia and Ukraine.  
• There will also be a focus on participants from candidate countries like Turkey and framework programme associated countries such as Switzerland. |
| Funding | The Commission reserves the right to decide on a case-by-case basis the granting of such reimbursement of expenses, depending always on the available budget. Participants may be entitled to reimbursement of their expenses in case they are directly (explicitly) invited by the organiser in order to contribute to the workshop's objectives. |

To apply please send your CV to: **JRC-Enlargement@ec.europa.eu**, subject: **2015-ITU-09**