

Talking Points at the Panel Session on Monday 29 July

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Among the topics suggested to discuss during Panel discussions today I would like to dwell upon two questions:

- Challenges and issues for SMR early deployment and licensing and
- International cooperation on SMR licensing and safety.

I want to pay your attention to the problems on deployment and licensing of transportable reactors or transportable nuclear power plants (TNPP).

As you know Russia has number of different TNPP designs and some of them – KLT-40S are now under construction and soon will be at the stage of deployment on the site.

Number of TNPP designs in the world is growing: today we listened to the presentation of France with Flexblue seabed TNPP and considerations on its licensing.

Meanwhile small-sized reactors and TNPPs are rather different nuclear installations than even medium-sized reactors. Maybe it is needed to give them different determinations.

I and my colleagues want to present for discussion during this Forum next topics regarding TNPPs:

1. Stationary based SMRs and transportable factory produced nuclear power plants differ. So we need to use different approaches to licensing and safety assessment of these nuclear installations.
2. We suggest to use a system approach concerning TNPPs: besides of issues on licensing and deployment of nuclear installation we need to study the TNPP system on the whole, including its transporting, plant repair and refuelling. Such approach must include problems of legal and institutional issues of TNPPs.
3. TNPP based nuclear energy systems might not require comprehensive nuclear infrastructure in the newcomer country - user.
4. Proposition: to include in INPRO Action plan for 2014-2015 the researching of the issues on perspective future nuclear systems on base of TNPP and small-sized reactors.

Thank you for your attention!