

# Setting up the „European User Facility Network“

---

Jiri Zdarek

UJV Rez a.s.

UJV responsibility for following tasks in OFFERR project

- WP 4.4: International programming
- WP 5.1 and WP 5.2: Dissemination and Exploitation

# WP4.4: International programming

- **Possible joint programming with international initiatives**
  - FIDES and similar initiatives
- **Cooperation with US: User facility initiative**
  - Nuclear Science User Facilities (NSUF)
- **Cooperation with UK**
  - National Nuclear User Facility (NNUF)
- **Cooperation with other world activities**
  - OECD, IAEA, etc ...

# WP5.1 and WP5.2: Dissemination and Exploitation

- **Widely promote and ensure the visibility of the OFFERR projects, its objectives and results at different levels (local, regional, national and European), through tailored content, channels, tools and events.**
  - OFFERR projects will be launched in WP 3
- **Raise awareness on the User Facilities Network ambition and support SNETP and the engaged infrastructure owners communicating on their engagement.**
  - User Facilities Network will be built in WP 1
- **Build and animate a community of practice around the project to demonstrate its long-term potential as a SNETP service.**

First meetings with PNNL and EPRI  
Following slides are just an example for possible future cooperation. We still need to wait upon OFFERR start.

# Lessons learned from the first meeting in USA PNNL

- **Initial collaboration will involve information exchange.**
- **Each organization also committed to pursue future collaboration opportunities, such as through**
  - **the eurOpean platForm For accEssing nucleaR R&d facilities (OFFERR),**
  - **the U.S. Nuclear Science User Facilities (NSUF) program,**
  - **and through the U.S. International Nuclear Energy Research Initiative (I-NERI).**

# Lessons learned from EPRI meeting on CS applications (1/2)

- ***Need to establish or continue collaboration efforts related to balance-of-plant application for cold spray applications.***
- ***Need to define areas of focus for cold spray utilization in nuclear – hardfacing applications, FAC, etc...***
- ***Establish means for collaborative cold spray efforts related to dry storage canisters.***

# Lessons learned from EPRI meeting on CS applications (2/2)

- *EPRI to survey industry on operating experience related to cold spray applications (nuclear energy and other industries)*
- *Establish and review all technology gaps related to implementation of cold spray and tie them to collaboration efforts.*
- *Question*
  - *What are the best means to bring together European OFFERR, Nuclear Science User Facilities (NSUF), Small Business Innovation Research (SBIR), EPRI research, and U.S. International Nuclear Energy Research Initiative (I-NERI) efforts?*



# Conclusion

# Conclusions from initial meeting with PNNL and EPRI

- The above described results and conclusions are just an example for potential cooperation in specific item for research
  - e.g. Cold Spray application in Nuclear area.
- Visit and discussion with PNNL and EPRI was performed in April this year, even before the OFFERR project start up.
- As the CS applications in Nuclear industry are strongly recommended by US NRC, the interest for cooperation was clearly recognised.
- It is also necessary to find organisation which is a leader for specific research field.
  - For the CS applications, the PNNL and EPRI is best the selection.

# Recommendations

- When the first topics for the „European User Facility Network“ are selected, it is necessary to also identify potential foreign user facilities or organisations already performing research in specific area.
- UJV is prepared to contact identified institutions and laboratories and share our experience with start up of a specific cooperation as provided with PNNL and EPRI for the CS application.

# Key principles for our work

- **Have an open network, open to Europe but also open to other international initiatives.**
- **In selected projects, assure high quality work at an international level.**
- **Presentations of work understandable for the young generation of scientists.**

# Contact us



[www.snetp.eu](http://www.snetp.eu)



[secretariat@snetp.eu](mailto:secretariat@snetp.eu)



[www.linkedin.com/company/snetp](http://www.linkedin.com/company/snetp)



[@SNE\\_TP](https://twitter.com/SNE_TP)