

## Concluding Remarks

Opening Session: Current status of GIF and IAEA are informed for better understanding and consensus was obtained.

Gen-IV reactor systems development status:

All reactor systems except for VHTR were shown and IAEA provides activities of CRPs and also online Catalogue. High activities of VHTR and SMR, MSR in IAEA are also shown including collaboration between IAEA and GIF.

Opportunity and Challenge for advanced reactor: GIF showed activities for harmonization with increasing Renewable energy system and collaboration with NICE future and CEM10 in Vancouver. IAEA showed the sustainable nuclear energy development with 3 dimensions of Economy, Environment and Society. Collaboration on this issue between IAEA and GIF will provide more fruitful results on the same direction. SMR utilization and also Hybrid system for RES harmonization are shown for the direction to sustainable energy system with RES.

## 2nd Day

Safety Issue:

Priority on Advanced NPP designs are shown by IAEA. SMR is one of significant issue requested by many of developers. LWR base and HTGR base concepts are picked up for modification of SSR 2/1 together with Risk-informed approach and graded approach. In the activities of TecDoc of SMRs, technology neutral approach and also Risk informed approach was also highlighted.

In the discussion of RSWG of GIF, we have a comment that different approach and different outcomes from IAEA, GIF, WGSAR make confuse for member countries. Needs of harmonization, coherent mechanism and no duplication are recognized.

From GIF side some proposals were made for SFR SDC and SDG. Review of SDG for key structure, system and component (SSC) was kindly accepted by IAEA. Discussion of IAEA TECDOC for SFR SDC

and SDG toward the IAEA safety standards was very active. Let me summarize as follows, TECDDOC is not the step to IAEA standards but harmonization among various aspects of requirements and regulation issues. IAEA will have internal discussion on this issue. It is confirmed to continue the discussion between IAEA and GIF about the SFR SDC and IAEA activity. GIF will provide TOR on this issue.

The GIF activities on R&D and Infrastructure TF are discussed together with IAEA Database of advanced reactor experimental facility. Cooperation and supplement by these two activities are expected for effective international cooperation on the experiments.

PRPP is significant issues for commercialization of advanced reactors. Activities in GIF and IAEA are introduced. New activities of safeguard by designs are also recognized as one of significant directions of PRPP.

Thank you very much for active discussion in each session. I believe these discussion contribute further cooperation between IAEA and GIF for sustainable use of nuclear Energy and decarbonized society.