

## Opening Remarks: GIF-IAEA Interface Meeting

- Last week, Japanese people had a so sad memory of day, March 11th, on the huge earthquake, tsunami, and 1F accident.
- So many people, more than 40,000, are still evacuated from their hometown due to the influence of the radio active materials released by 1F accident.
- Nuclear engineers and researchers, not only in Japan but over the world, thought again how the safety of nuclear is significant and our responsibility.
- Today, it is our great opportunity to discuss not only for safety but also sustainable and clean energy supply systems using nuclear, together with IAEA specialists and GIF members. I appreciate IAEA members and our technical secretary for their efforts to support this interface meeting.
- Current GIF activities are introduced today and tomorrow for further improvement with suitable collaboration with IAEA. For example, an impact and combination use with renewable energy systems, and Safety Design Criteria, SDC and Guidelines, SDG will be discussed.
- In GIF, this activity of SDC and SDG are expanding from the sodium cooled fast reactor, SFR, to the high temperature gas cooled reactor, LFR, and other reactor systems. We think that safety and regulation issues are crucial for the commercialization of Gen-IV reactor systems.
- As for the SFR, SDC and SDG has been reviewed by regulatory people and revised according to the comments for years. It is a time to discuss about a next step toward a global safety standard of regulation, like the SSR 2/1 of IAEA for light water reactors.
- There are several movements to develop advanced reactors, SMR in Canada, UK, USA and others. BN 1200 and BREST OD 300 in Russia, CFR600 in China, CFBR in India. A roadmap of fast reactor development was decided at the end of last year in Japan. Fast reactor development program is active in France via the digitalization and simulations with experimental qualification programs. In this situation, a worldwide safety standard is significant toward the commercialization of such reactors.
- I hope this interface meeting between IAEA and GIF can light a way to a sustainable use of nuclear energy for the decarbonized society. Thank you for your attention.