

# Young Generation Event

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# Questions Posed

- 1. What international cooperation is desirable with regard to fast reactor technology development and deployment to meet global nuclear energy sustainability requirements?
- 2. What role do you expect for IAEA in the international cooperation with regard to fast reactor technology development and deployment?
- 3. What international cooperation do you expect for the world's young generation?





# 1. What international cooperation is desirable with regard to fast reactor technology development and deployment to meet global nuclear energy sustainability requirements?

- If we are to successfully deploy fast reactor technology and associated fuel cycle technology to meet global sustainability requirements, we must foster an environment which encourages
  - Sharing of limited experimental data related to reactor and fuel performance and safety
  - Archival and sharing of even more limited operating experience from the small number of test reactors successfully deployed worldwide
  - Greater international awareness of the scope of legacy data and experience that is available to the current generation of developers.





## 2. What role do you expect for IAEA in the international cooperation with regard to fast reactor technology development and deployment?

- Most importantly, organize regular international meetings such as FR09 to foster exchange of legacy information and cooperation on new innovations
- Secondly, foster opportunities for more direct one-on-one exchange between fast reactor programs
  - Long term sabbaticals are no longer common
  - Shorter term (and less expensive) exchange opportunities may be more attractive to participants and employers
- Orchestrate the development and offering of professional development opportunities to a wide international audience to encourage knowledge capture and transfer between generations
  - Modeled on the World Nuclear University or the MeV Summer School
  - Exclusively Fast reactor focused, incorporating design, construction, and operation





### 3. What international cooperation do you expect for the world's young generation?

- The world's young professionals are already collaborating more than ever before as a consequence of the formation of international organizations such as the International Youth Nuclear Congress, European Young Generation Network, North American Young Generation in Nuclear, etc.
  - The fast reactor community should leverage their excitement and enthusiasm to increase the visibility of advanced fuel cycles and fast reactor technology in the public discussion of nuclear energy
  - The fast reactor community should work to establish a stronger presence in their local, national and international meetings to attract the next generation of talented young professionals to this technology.

