

Education & Training *seminar*

on **Fast Reactors**

science and technology

Mexico | 2015

JUNE 29
JULY 03



IAEA
International Atomic Energy Agency
Atoms For Peace

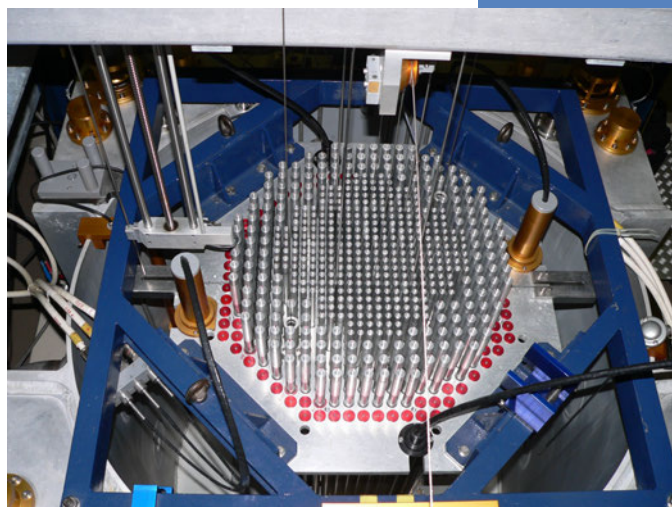


**instituto nacional de
investigaciones nucleares**

BACKGROUND



The International Atomic Energy Agency (IAEA) & the Instituto Nacional de Investigaciones Nucleares (ININ) organize this seminar with the objective to provide knowledge and skills on fast reactors technologies to researchers, academics, professionals and students of the Mexican Nuclear Sector and International participants from neighbouring member states.



It is generally recognized that long term development of nuclear power as a part of the world's future energy mix will require fast reactor science and technology with closed fuel cycle. The fast neutron spectrum allows fast reactors to increase the energy yield from natural uranium by a factor of sixty to seventy compared to thermal reactors, granting therefore realization of nuclear power programmes for thousands of years, as well as a significant improvement of nuclear waste management. It is for these reasons that fast reactors have been considered in several countries, primarily as breeders and, in recent years, also as High-Level Waste burners. Thus, fast reactors must be considered in a sustainable energy portfolio.



TOPICS

- Global scenario for nuclear energy
- Benefits of fast reactors technology
- Common aspects: uranium utilization, breeding, fuel cycle, waste management, partitioning & transmutation, reactor physics, safety
- Coolants for Fast Neutron Reactors
- Sodium-Cooled Fast Reactor
- Lead-Cooled Fast Reactor
- Generation IV nuclear systems

EXPERTS

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HOST VENUES

Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM-CSF)
Campus Santa Fe

Centro Nuclear "Dr. Nabor Carrillo Flores"
Instituto Nacional de Investigaciones Nucleares (ININ)

Free registration (dead line: June 1st)

Contact and registration:

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