In the Name of God
The Gracious & The Merciful
Presentation By
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A Short Glance
At
Iran’s Peaceful Nuclear Policy &Activities
NUCLEAR FUEL CYCLE

- Uranium Fuel Fabrication
- Nuclear Reactor
- Interim Storage
- Plutonium
- MOX Fuel Fabrication
- Recovered Uranium
- Reprocessing
- Radioactive Waste
- Final Disposal

- Exploration
- Uranium Ore Mining
- Conversion
- Natural UF6
- Enriched UF6
- Enrichment
- Yellow Cake (U3O8)
Scientific & technical aspects of nuclear energy

- Atom
- Radioisotopes
- Nuclear fission chain reaction
- Mining, Milling & Conversion
- Enrichment
- Nuclear Power Plant
- Reprocessing
- Nuclear Waste
Schematic diagram of a nuclear fission chain reaction.
Yellow Cake
Enrichment & Fuel Cycle
Enrichment by centrifuge technique
A cascade of gas centrifuges at a U.S. Uranium enrichment plant
Enrichment by laser technique
Iran’s Nuclear Program & Policy

Chronological Review:

1- Prior to Islamic Revolution

2- Post Revolution Era

3- Since Impose Nuclear Crisis
International Related Nuclear Developments
1- Nuclear Arm Race by NWSs; Failures of SALT I&II, START I&II ?!
2- Lack of Int. Verification Mechanism on NWSs
3- Emerge of new NWSs
4- Failures of Int. attempts on nuclear disarmament; CD,..
5- Failure of Int. attempt on non-proliferation: NPT,..
6- Nuclear Tests, India, Pakistan, DPRK;
7- Israeli nuclear hypocrisy
8- Military attack& Threat of attack against nuclear installations;
9- Failure of Int. Attempt on’ Assurance of Nuclear Supply”;
9- Other Disarmament Treaties: CWC,BWC,CTBT
Tehran Research Reactor; Producing Radioisotopes
Radiopharmaceuticals ready to be delivered to
Production of Radioisotope by Cyclotron in Karaj Center
BOUSHEHR NUCLEAR POWER PLANT
ARAK HEAVY WATER PLANT
IAEA Full Scope Safeguards in Iran’s Nuclear Facilities
Iran is against nuclear weapons;

Iran’s nuclear activities has always been and will remain peaceful;

IAEA DG repeatedly reported, there is no diversion in nuclear activities in Iran and all nuclear material and activities remain in peaceful purposes. The Agency has also declared that the current nuclear activities in Iran are under its monitoring and the Agency has been able to continue to verify the non-diversion of declared nuclear material and facilities in Iran.

Iran Neither suspends its peaceful nuclear activities Nor suspends its cooperation with the IAEA under the NPT
NUCLEAR PUBLIC DIPLOMACY
- You have the right to see both sides of the coin
  - Have You Done SO?!

- Thanks For You Kind Attention