

THE NUCLEAR PROJECTS IN THE ARAB COUNTRIES

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The Nuclear Option for Electricity Generation

- Need for energy
- Political decision
- Investment
- Public Acceptance



The Nuclear Option for Electricity Generation

- Potential sites for NPP
- The IAEA 19 milestones including:
 - Law and regulations
 - Regulatory body
 - Human resources



International commitments

- NPT
- IAEA safeguard
- Nuclear safety
-

VOLONTARY

- additional protocol
- 123 Agreement (with USA)



Economy

- Oil production policy
- Renewable energy competitiveness
 - price
 - national grid structure
- Energy policy



LAS summit (Riyadh March 2007)

- Promotion of the peaceful applications of atomic Energy
(similar GCC resolutions-dec. 2006)
- Arab Strategy up to 2020
- Joint Arab Programs



The Arab Strategy for peaceful applications of atomic energy

- drafted by the AAEA (with the full support of the S.G. of LAS)
- Adopted by The G.C. of The AAEA (Beirut-Dec. 2008)
- Adopted by the LAS summit (Doha-March 2009)





الهيئة
العربية
للطاقة
الذرية

الإستراتيجية العربية
للاستخدامات السلمية
للطاقة الذرية
حتى العام 2020

اعتدلت بقرار المجلس التنفيذي (ق.م.ت. مرقم 8/د.ع. 42/ بيروت: 18-20/12/2008)
المفوض من المجلس العام (ق.م.ع. مرقم 14/د.ع. 20/ بيروت: 2-3/8/2008)

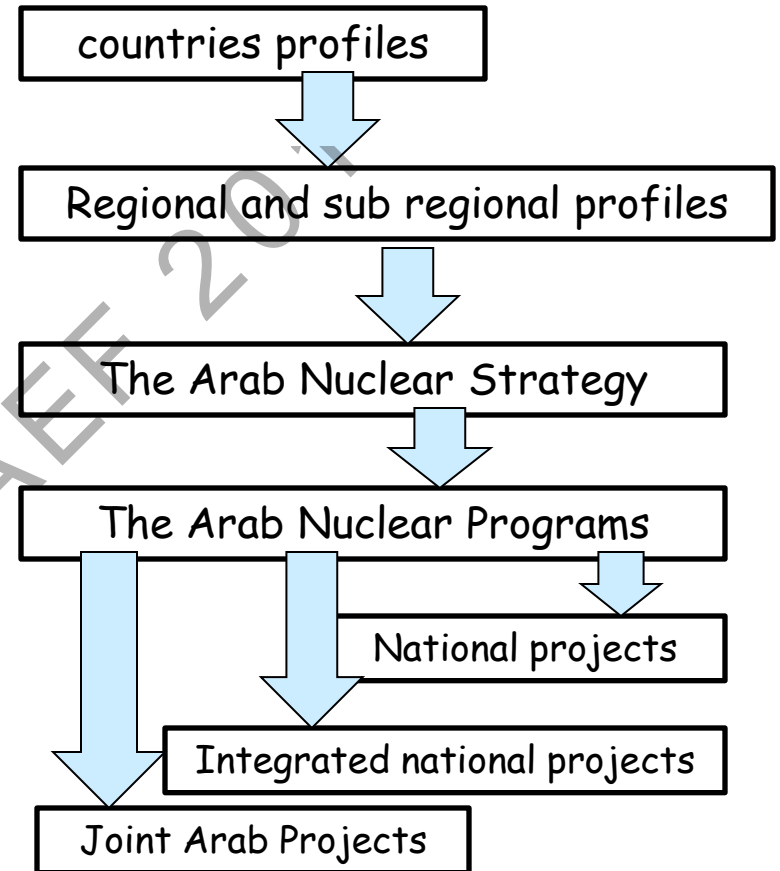
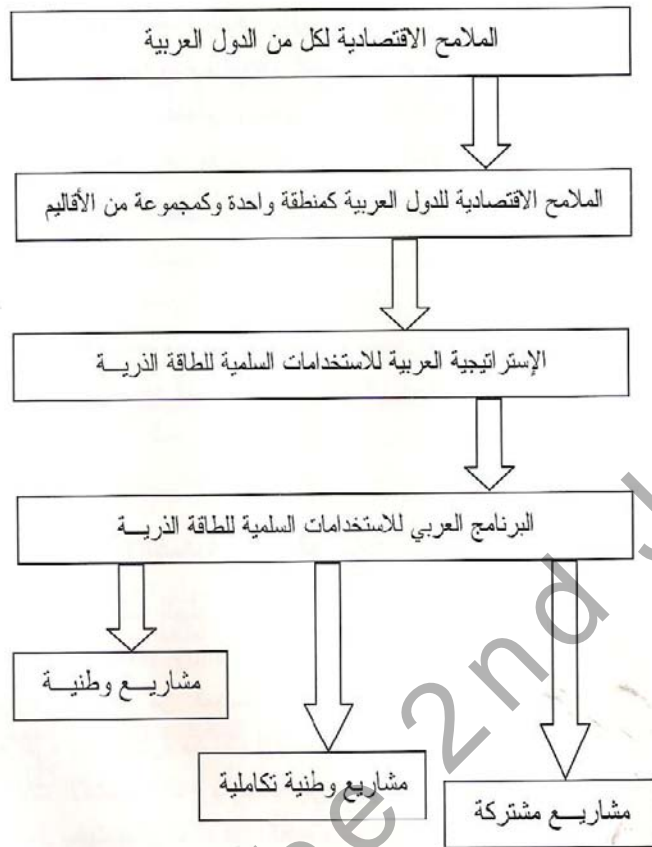
تونس 2008

الذرة في
خدمة الإنسان

The Arab
Strategy for
peaceful
applications of
atomic energy.

AAEA - 2008





NPP: National Projects

- UAE
 - National Atomic Energy Commission
 - Nuclear Law
 - National Regulatory body
 - Site selection
 - Building contract (BOO)



NPP: National Projects

- Jordan
 - National Atomic Commission
 - Nuclear Law
 - National Regulatory body
 - Site selection



NPP: National Projects

- Egypt
 - National Atomic Energy Authority **and**
 - National power plant Authority
 - Nuclear Law
 - Site selection



NPP: National Projects

- Morocco ;Algeria ;
- Tunisia; Libya
- KSA; Kuwait
- Qatar; Bahrain



Cooperation opportunities (LAS , AAEA)

- NPP (building, investment...)
- Nuclear equipments:
 - Accelerators
 - Irradiators
 - Analytical Labs
- Technology transfer



Cooperation opportunities (LAS , AAEA)

- Human resources development
 - Joint research projects
 - Training courses, On Job training
 - Nuclear applications
 - NPP
 - Nuclear waste
 - Inspection
- Long term fellowships



Project Proposal

Technical department within the AAEA

- In order to reduce:
 - the need in manpower
 - and the electricity cost
- Establishment, within the AAEA of a *Technical department able to provide the regulatory bodies in the member states with the following services:*



Project Proposal

- N. Power plants inspection
- Preliminary technical assessment for licensing
- Any technical work requested by any National Regulatory body in the member states



Project Proposal

Any technical report produced by the department is confidential and must be sent to the concerned National regulatory body which stay the only regulatory authority in the M.S.



Thank you



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