

25th INPRO Dialogue Forum on Nuclear Energy Development in Embarking Countries

Breakout Session – Group 3

Capacity Building

Group Chair: Mohamed Hassan

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Topic 1: What are the most important capacity-building needs in embarking countries?

- 1) Longterm Strategic Energy Planning
- 2) Outreach to policy makers
- 3) Nuclear Educational Curriculum
- 4) Qualified Personnel
- 5) Knowledge Management
- 6) Regulatory and Licensing Competency
- 7) Funds

Topic 2: What are the key challenges newcomer countries face in developing a skilled nuclear workforce? (e.g. education systems, training infrastructure, retention)

- 1) Retention and Brain Drained**
- 2) Lack of nuclear education program including Nuclearize non- nuclear**
- 3) Funding for education and training**
- 4) Lack of public interest in nuclear career**
- 5) Lack of nuclear training infrastructure (eg. vocational training center)**
- 6) Lack of coordination for education and training activities**
- 7) Instability of national nuclear policy**
- 8) Overdependent on the vendor country in capacity building**

Topic 3: How can international organizations best support national capacity-building efforts? *(e.g. training, expert missions, regional cooperation)*

1) International Cooperation

- Fellowship/ Scholarship
- Expert
- Workshop/Training
- Sharing of regional training facilities

2) Strengthening the educational and training networks

3) Developing educational program/curriculum

4) Encouraging for coordination

Recommendations for the IAEA

- 1) **Develop monitoring and evaluation tools to measure the success of Agency program**
- 2) **Nuclear Energy Education Program Development and Professional Program Development**
- 3) **Technical Tour to NPP and nuclear facilities for Policy Makers**
- 4) **Train the trainers**
- 5) **Nuclear Competency Framework/ Taxonomy**
- 6) **Strengthening the use of IAEA learning management system (e.g. self -learning)**