

INPRO Dialogue Forum on Global Nuclear Energy Sustainability:
**Long-term Prospects for Nuclear Energy in the
Post-Fukushima Era**

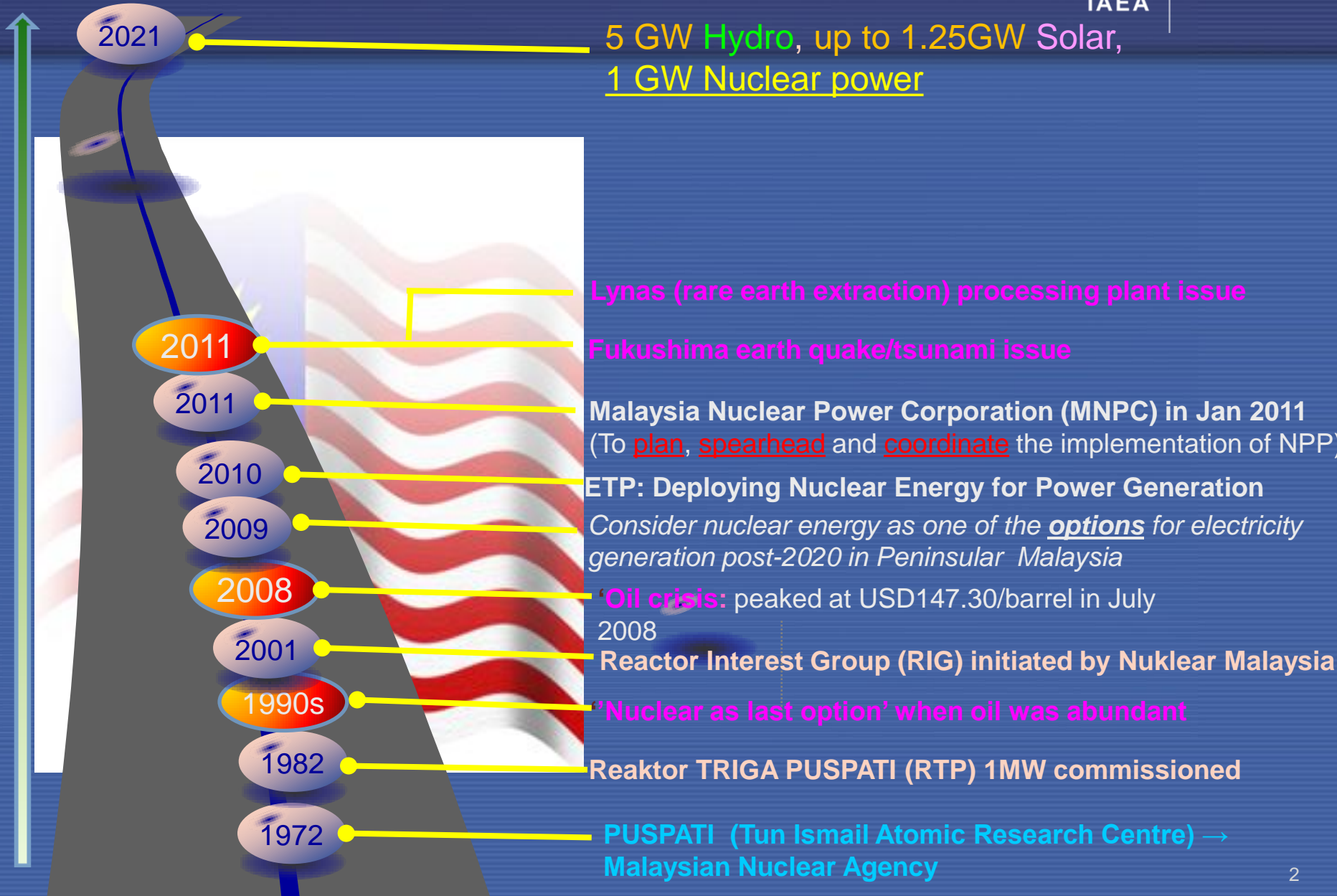
27-31 August 2012
Seoul, Republic of Korea

**Nuclear Technology Development: Malaysian
Perspective**

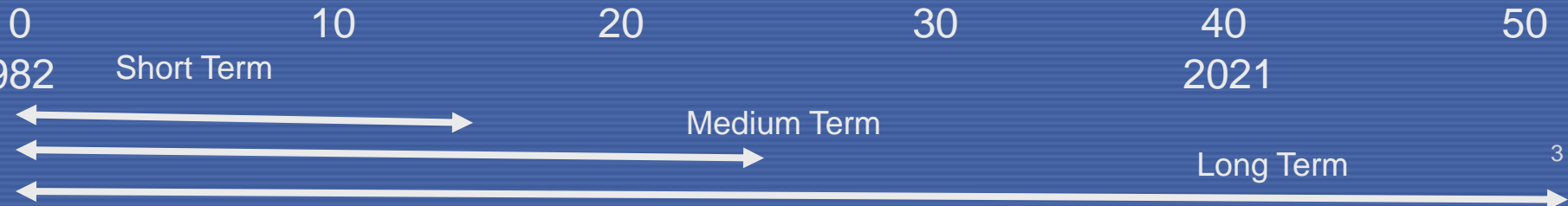
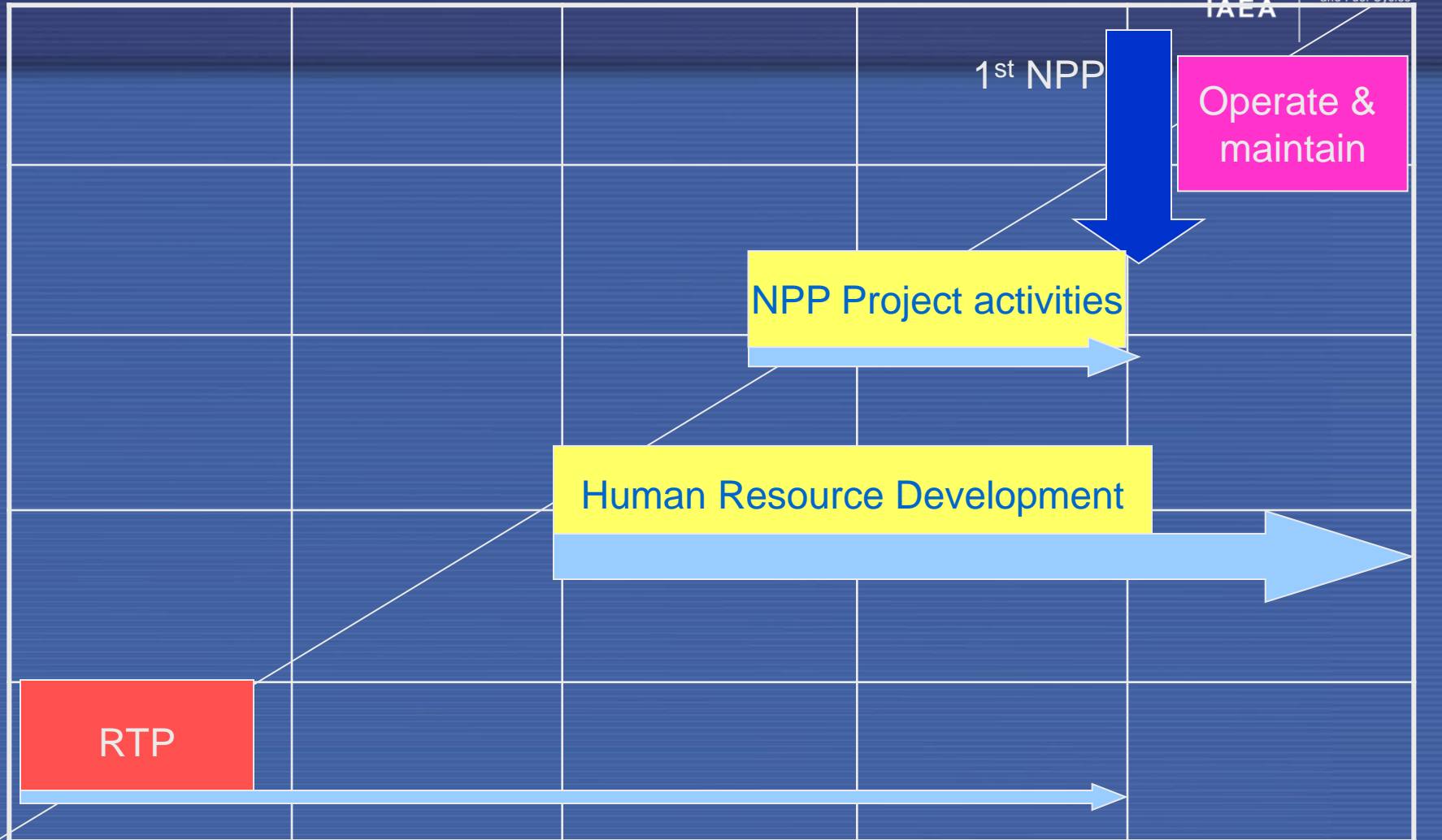
Faridah Mohamad Idris

Malaysian Nuclear Agency, Bangi, 43000 Kajang, Malaysia

Malaysia Nuclear Path



Nuclear Energy Development Road Map



Economic Transformation Program (ETP)

Four (4) critical path items must be addressed with highest priority to ensure prompt delivery, which are



2. Main lessons learned after Fukushima in Malaysia



- Safety of nuclear power plant is the MAIN concern
 - Needs ready and able human resource to
 - Implement contingency plan
 - Prevent disaster from happening
- Knowledge and expertise is prerequisite in operating and maintaining NPP
- Effect of nuclear disaster is borderless
- International cooperation (e.g. IAEA) is necessary to allay public fear of nuclear disaster

3. **Malaysia's** expectations for global Nuclear Power development in the 21st century



- *National anticipation in the next 100 years:*
 - Self reliance in operating and maintenance of NPP
 - Critical mass in work force
 - Nuclear waste at NPP life cycle
 - Waste repository
 - Waste treatment
 - New/emerging technology in NPP
- *Major policy implications and challenges:*
 - Having sustainable human resource development programme with acceptable quality for NPP
 - Gaining & sustaining momentum in technological development of NPP