Summary of Drivers and Impediments for Cooperation of Potential Nuclear Energy Users

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Outline

• Nuclear newcomers in the forum
• Drivers
• Impediments
Newcomers

- 13 Member States in the forum are at various stages of introduction of nuclear power.
- These are: Vietnam, Bangladesh, Egypt, Ghana, Jordan, Mongolia, Niger, Peru, Poland, Sudan, Tanzania, Yemen and Uganda.
Drivers for cooperation

• Sharing of education and training facilities
• Financing nuclear energy projects
• Assurance of nuclear fuel supply for the entire life time of the new NPP
• Management of spent nuclear fuel and radioactive waste
• Economies of scale
• Lack of suitable nuclear power sites
Drivers for cooperation

• Non-proliferation and international safeguards
• Share experiences, R&D facilities, human resources
• Access to affordable, sustainable and reliable electricity and trade of surplus power through regional intergovernmental bodies such as Eastern Africa Power Pool, West African Power Pool
• Previous experience of cooperation in non-nuclear projects e.g. Korea-Yemen cooperation on natural gas extraction.
• Share the risks in investment
Impediments for cooperation

• Political instability
• Differences in national legislations and regulations
• Lack of public acceptance to embark on a Nuclear Energy Project or cooperate with a potential Member State
• Every Member State wants to host all the facilities
Impediments for cooperation

• Lack of capacity to carry out collaborative projects
• Geography and incompatibility of grids making interconnection difficult
• Long term liability issues and high level risks of nuclear power projects
Thank you!