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The Integration of Small Modular Reactors into a National Nuclear Power Programme - A SWOT Analysis of Nigeria INIR Mission

The International Atomic Energy Agency conducted an Integrated Nuclear Infrastructure Review (INIR) Mission for Nigeria in June 2015. The Member State requests an INIR mission. The INIR mission is conducted by a team of experts to peer review, using a transparent evaluation methodology, a member State's nuclear power infrastructure development status. The INIR mission evaluated the IAEA's 19 infrastructure elements needed to deploy large Nuclear Power Plants (NPP), which also applies to the SMR. Through the lens of strength, weaknesses, opportunity, and threat (SWOT), this paper examines the suitability of adopting the result 2015 INIR mission for application in SMR. The SWOT analysis shows that SMR integration into the Nigeria nuclear power programme is achievable with good planning and an effective implementation strategy.

Country OR International Organization

Nigeria

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