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Sommario/riassunto

The IAEA usually defines small and medium sized or modular reactors (SMRs) as reactors producing up to 300 MW(e) (small sized or small modular) and reactors producing 300-700 MW(e) (medium sized). There has been increasing interest in SMRs globally owing applications, enhanced safety resulting from inherent passive safety features, reduced upfront capital investment and possibilities for cogeneration and on-site electrical applications. At the same time, SMRs face various technical and economic challenges to their development and wide-scale deployment.
