## THE SECOND SAUDI INTERNATIONAL CONFERENCE ON NUCLEAR POWER ENGINEERING (SCOPE-2)

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## Addressing innovation on analysis and management of accidents by international cooperation: the Working Group on the Analysis and Management of Accidents (WGAMA)

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## Abstract

The Working Group on the Analysis and Management of Accidents (WGAMA) of the OECD Nuclear Energy Agency (NEA) addresses safety issues of existing nuclear reactors and related technologies as well as emerging challenges on evolutionary and innovative reactor designs and nuclear technologies, including Small Modular Reactors (SMRs), related to their potential design-basis accident (DBA) and beyond design-basis accident (BDBA). The WGAMA coordinates research activities including workshops and technical publications in the fields of thermal-hydraulics (T/H), computational fluid dynamics (CFD) and severe accidents (SAs). Obtained knowledge is shared among member countries to improve confidence in the safety analyses that use computer codes required to represent accident phenomena that may arise during an accident in nuclear power plant (NPP) as precisely as possible.

This paper reviews the activities on the 3 main pillars: thermal hydraulics, CFD and severe accidents. Acknowledgments

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## **Technical Track**

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