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Overview of the international cooperation and collaboration activities initiated and performed under the Technical Working Group on Fast Reactors in last 50 years

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The Technical Working Group on Fast Reactors (TWG-FR) of the International Atomic Energy Agency (IAEA) was established in 1967 and since then it has been a foundation of the agency's activities in the field of fast reactor. For last five decades the group of experts under the umbrella of TWG-FR have provided advice and supported the implementation of the programme. The TWG-FR assists in defining and carrying out the Agency's activities in the field of fast reactor technology development, promotes the exchange of information on national and multi-national programmes, fosters new developments and experience, with the goal to identify and review problems of importance and to stimulate and facilitate cooperation, development and practical application of fast reactors and sub-critical hybrid systems. There have been numerous technical meetings, consultants' meetings, coordinated research projects producing a significant number of technical documents, nuclear energy series documents etc. supporting member states in their pursuit of research and development in this field. With a current membership of more than 25 countries, TWG-FR plays a significant role in addressing major issues, finding coordinated solutions to overcome technological/research barriers and effectively communicating and transferring knowledge amongst its members. A combined vision of all the members helps in overcoming challenges and increasing effectiveness.

The paper discusses and highlights the activities proposed by the TWG-FR, its major achievements, ongoing events and future plans.

Country/Int. Organization

International Atomic Energy Agency

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