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Status of Generation-IV Lead Fast Reactor Activities

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Since 2012 the Lead Fast Reactor provisional System Steering committee (LFR-pSSC) of Generation IV International Forum (GIF) has developed a number of top level activities with the aim to assist and support member countries developments of Lead Fast Reactor technology.
The current full members (MoU signatories) of the GIF-LFR-pSSC are: EURATOM, JAPAN, the RUSSIAN FEDERATION and the REPUBLIC OF KOREA. The pSSC benefits also from the active participation of its observers: the UNITED STATES and the PEOPLE'S REPUBLIC OF CHINA.
The paper highlights some of the main achievements of LFR-pSSC starting from the development of LFR System Research Plan, LFR white paper on safety and LFR Safety Assessment as well as Safety Design Criteria development.
After the presentation of LFR-pSSC top level activities the status of the development of LFR in GIF countries is presented. The collaboration among partners of GIF-LFR-pSSC has proved its effectiveness to help the development of LFR through an open and friendly environment, developing important synergies and exchange of both technical and strategic information.

Country/Int. Organization

Italy

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