

STATUS OF EFDA REMOTE PARTICIPATION ACTIVITIES

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The aim of the Remote Participation (RP) activities under EFDA is to support at a sufficient level the needs of the Euratom Fusion Associations, the EFDA Taskforces and Topical Groups regarding RP tools, based on the EFDA Remote Participation Users' Group (RPUG) recommendations. It is a very large domain, including many topics evolving very quickly.

Remote Data and Computer Access The main methods used in remote computer access are VPN, SSH and Citrix; there is no strong desire to move towards a standard access method. For data access the MDSPlus is widely used and has been successfully integrated in PAPI and tested in EFDA federation.

Network issues. All EFDA relevant NRENs, as well as GEANT2 and Internet2 work closely to improve network standards. Some of the Association LANs have to be improved, and some have lack for good connections to their NREN

Teleconferencing and Telecommunication in general is an integral part of the overall approach to creating an RP infrastructure for the European Fusion community The H.323 based videoconferencing together with the EFDATV is de facto standard in Euratom Fusion Association The Codian MCU of DFN is used for multipoint videoconferencing organized by one of the Association

Documentation, Collaboration. The EFDA IDM document management system is used as the Remote Participation Technical documents' store An EFDA wide discussion forums is provided by the EFDA Wiki system. The Web File System, integrated into EFDA Federation, provides to federated users a collaborative environment for storing, distributing and sharing files and folders. The web-based system installed at CIEMAT is an appropriate documentation tool to monitor progress in the availability and use of the RP facilities within EFDA

Inter-organization security infrastructure This topic is focused on supporting the use of inter-organization security solutions to achieve different objectives. On one hand, providing mechanisms for organizations to share resources and to use collaborative tools defining the required access control policies. And other hand, enabling users to access to resources that are located in different organisations with just one authentication procedure (avoiding multiple passwords) and independently of their IP addresses

Remote Experiment Participation (REP). The remote experiment participation is a basic element for the users. Many of the RP tools are widely used in different level, however it is strongly recommended to use at least one of the big experiments as a test bed for ITER. It is necessary to practice effectively REP to get realistic experience regardless of the level and the technical mean, and in this sense, JET is one of the obvious candidates because of its large external participation and its size.

The presentation is a synthesis of a report written for EFDA that gives the status of remote Participation Activities in Europe. It is a base for discussions and future activities in the EFDA labs within the ITER Framework.