

# IFERC Newsletter



IFERC-N-2013-4, 10 June 2013

International Fusion Energy Research Centre, Rokkasho, Aomori 039-3212, Japan

## Meetings

### 1<sup>st</sup> REC Technical Coordination Meeting (REC-TEC-1) in Japan

The first Technical Coordination Meeting (TCM) on the ITER Remote Experimentation Centre (REC) was held in Rokkasho and Naka from April 22 to April 26, 2013. Five participants (one via videoconference from EU and twelve from Japan) joined the meeting. During the first half of the meeting in Rokkasho, discussions were held on the REC facilities (in particular the design of the REC Room), on the fast data transfer technique and the large-capacity data storage. A visit to the facilities in Rokkasho site was also arranged. During the second half of the meeting in Naka, the members reviewed the first Procurement Arrangement for REC and after some amendments, agreed on a final draft.

The REC activities may include the developments of 1) functions of the remote experiment system, such as setting of experiment parameters, shot scheduling, real time data streaming, communication by video-conference between the remote-site and on-site, 2) an effective data transfer system that is capable of fast transfer of the huge amount of data between on-site and off-site and the network connecting the REC system, 3) a storage system that can store/access the

huge amount of data, including database management, 4) data analysis software for the data viewing of the diagnostic data on the storage system, and 5) numerical simulation for preparation and estimation of the shot performance and the analysis of the plasma shot. The responsible officers for each activity and the tentative work schedule were determined.

Technical discussions took place on subjects such as the plasma control system and fast data transfer. There was also a presentation about the current status of EU-JA collaboration on the management of data expected from the JT-60SA experiment. After the session, the participants visited the construction site of the JT-60SA tokamak, the superconductor and the coil manufacturing buildings.

The members are going to have monthly Progress Report Meetings and the first one was scheduled for the 14 June 2013. The second TCM (REC-TCM-2) will be held on September 17 and 18, 2013 at F4E in Barcelona.

*(Osamu Naito)*



Discussion in the REC Room at Rokkasho site



Participants at Naka site