

## Progress of CSC installation at Rokkasho

The CSC installation is progressing well. Here is a summary as of October 31st:

- UPS: operational.
- Tape library: operational.
- Medium term storage: the disks are formatted but the Lustre file system is not configured.
- High performance storage: the last rack has arrived but it is not formatted yet.
- Home servers: operational.
- IT servers: the servers are running, the software is operational.
- CSC network: operational.
- Internet interconnect: the 3 Internet links are operational.
- Visualization cluster: 1 rack is here, 3 more to come.
- Compute nodes: 16 racks are here, 33 more to come.

To complete the configuration, every week a new batch of compute racks arrives in Rokkasho. Right now, the focus is to verify that all the compute nodes are healthy (CPU, memory, interconnect.) So far, the percentage of equipment which does not work after the transport is very low.

By the end of November, the delivery of all the parts will be finished. After they have been installed and tested, a set of checks will be performed to insure that what is installed corresponds to the purchase contract and that the performance agrees with what was announced. This will happen in the first half of December. If everything is in order, the acceptance will be pronounced and the computer's ownership will be transferred to F4E.

In conclusion, the planning of the installation is respected and it looks like the computer will be ready for the first users in the beginning of January.



**Photo:** view of the computer room on October 31st. All the holes in the floor will be replaced by compute racks by the end of November.

On this photo, the first row shows the back view of 2 racks with Infiniband switches and 2 compute racks with water cooled doors. The second row shows the front view of 3 compute racks and 2 InfiniBand racks.

The yellow cables are optical links. They are part of the InfiniBand interconnect. For the complete computer, more than 4600 cables totaling 83 km are installed.