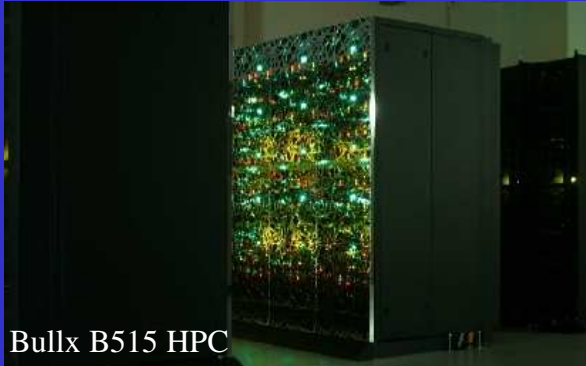


TOWARDS THE COMPLETION OF THE CEA CONTRIBUTIONS TO THE BROADER APPROACH PROJECTS

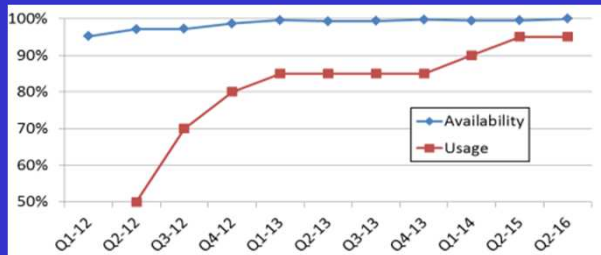
IFERC CSC

Helios Supercomputer

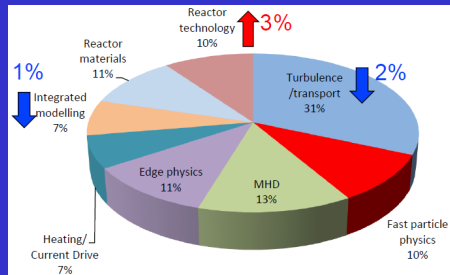


Bullx B515 HPC

Operated from 01/2012 to 12/2016
Upgraded to 2 Pflops mid 2016

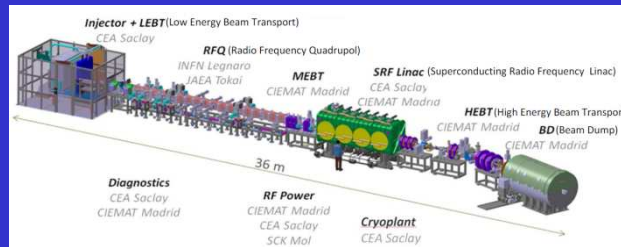


Large scientific production: 587 papers published as recorded in Sept. 2016



IFMIF-EVEDA

LIPAc Installation at Rokkasho:



Injector + LEBT Installed and tested:
Intensity: 112mA (world record)
Emittance : 0.23π mm.mrad (end LEBT)
5 MeV tests schedule early 2017

SRF Linac Manufacturing:

SRF tank, accelerating HWR cavities, power couplers and solenoid package to be delivered end 2016.

HWR prototype cavity tested:
Qo~1.3e9; Eacc~8MV/m ; no field emission.

Sathori test bench at Saclay for test of the accelerating components (HWR cavity + RF couplers + tuning system)



9 MeV tests schedule in 2018

JT-60SA

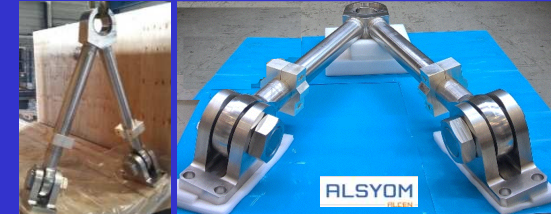
2 TF coils delivered to Japan.
6 TF coils tested (4 CEA-2 ENEA)
5 pre-assembled w Outer Intercoil Struct.



Cryogenic System Commissioned



18 Gravity Supports shipped to Naka



5 Magnet Power Supplies installed

