

Report of Standing Committee on the 2nd Call for Proposals of IFERC-CSC Helios Computer

1. Second cycle of projects

Schedule for the evaluation of proposals for the 2nd Cycle of IFERC-CSC (337 days in the second cycle)

- June 2012: 2nd Call for Proposals published
- July 2012: Deadline for Proposals/ Start of evaluation of proposals
- 15 September 2012: End of evaluation of proposals
- 25-26 September 2012: 2nd StC meeting (Allocation of resources)
- **15 November 2012: Start of cycle**
- **14 November 2013: End of cycle**

2. Proposals Received

- 81 proposals (51 EU + 30 JA) received ~ 270 users:
 - 25 proposals (19 EU + 6 JA) from new projects
 - 56 proposals (32 EU + 24 JA) from continuation of previous projects

3. Refereeing of Proposals

- The grading of the projects were made through the peer review following the criteria of scientific excellence, relevance to fusion development (ITER & BA), efficient usage of super computer, and EU/JA collaborative aspects.
- Each proposal was assigned either:
 - one internal Standing Committee EU referee + one external referee from JP; or
 - one internal Standing Committee JP referee + one external referee from EU.

Proposals	Internal Referee	External Referee
39	JP	EU
42	EU	JP

4. Resources

- Requested resources from proposals : **70.6 M node-hours**
- Approximate estimation of available node-hours:
 $337 \times 24 \text{ (hours)} \times 4410 \text{ (nodes)} = 35.7 \text{ M node-hours}$
 - Supposing 4410 nodes all the time
 - Supposing Helios used at 100 %

- StC : 80 % of total : **28.5 M node-hours**
Requested/available: 250%
- Each Implementing Agency (EU and JA) : 10% of total : 3.57 M node-hours
 - StC Agreed an over allocation of around 25%
- Resources for StC projects : **35.66 M node hour**

5. Standing Committee Membership

Internal Referee	Affiliation (as of Sep. 2012)	Proposals Refereed
Duarte Borba	EFDA	9
Frank Jenko	IPP	9
Laurent Villard	CRPP	8
Tim Hender	CCFE	8
Yanick Sarazin	CEA	9
Atsushi Fukuyama	Kyoto University	8
Masaru Furukawa	Tokyo University	9
Masatoshi Yagi	Kyushu University/JAEA	9
Tomoaki Kunugi	Kyoto University	6
Yasushi Todo	NIFS	7

6. Accepted Proposals and Time Allocation

- 74 Proposals were accepted and allocated 35.41 M Node Hours (**50 % EU 50% JP**)
- The Standing Committee proposes to accept submission of proposals during the cycle as foreseen in the Terms of Reference. These proposals will be refereed and allocated time within the JP and/or EU 10% quota.

7. Rejected Proposals

Proposal	Reason	Recommendation
3 Proposals	not clear if the proposal can make efficient use of the IFERC computer	to explore how the code can use the IFERC computer more efficiently (i.e many more nodes > 128) submit a new proposal
1 Proposal	Benchmarking different codes	should be carried out within EFDA ITM Taskforce EU 10% Quota
1 Proposal	codes are still under development	use the 10% EU quota allocated / seek HLST advice
1 Proposal	aims mainly at testing and comparing codes	use the 10% EU quota allocated / seek HLST advice



1 Proposal	not clear if the proposal can make efficient use of the IFERC computer	submit a new proposal / explanation how why it requires large computation resources
1 Proposal	required software for this project is not licensed in the IFERC computer at present	invited to submit a new proposal, when the required software is installed and tested

8. Time Allocation per Topical Area

