Supercomputing Policy

ARC Centre of Excellence

Last Updated: 29 November 2012   **Owner: Chief Operating Officer**

Overview

The ARC Centre of Excellence for All-sky Astrophysics (CAASTRO) aims to establish Australia as the world leader in the emerging discipline of wide-field astronomy. This is a policy regarding how supercomputing time allocation is requested and selected for members.

Scope

The CAASTRO Super Computing Policy applies to all Chief Investigators, Partner Investigators, Associate Investigators and Affiliates interested in receiving a supercomputing time allocation.

Related Documents

The **CAASTRO Membership Policy** documents the CAASTRO membership categories.

Policy

Once every six months (December and June) the CAASTRO executive issues an invitation to the CIs, PIs, Associates and Affiliates of CAASTRO to apply for the use of CAASTRO supercomputing time. The call is two months prior to the next semesters' allocation.

Nominations for this six month period will be made using the form located at http://caastro.org/policies/supercomputing and should be emailed to the Chief Operating Officer coo@caastro.org by 5pm on the closing date.

The Expression of Interest should be completed using the required form, and be no longer than 2 A4 pages. The Expression of Interest should include:

- A title for the project

- A list of investigators: a proposal must be led by a CAASTRO investigator (chief investigator, partner investigator, associate investigator or affiliate investigator), but may be in collaboration with researchers beyond CAASTRO.

- Identification of CAASTRO themes (Evolving, Dynamic or Dark) under which the project falls

- The number of CPU hours requested this term

- Any other computational considerations (disk space, RAM, etc.)

- An explanation of the project including a justification for the time being requested

Time allocation:

The allocation of supercomputing time is overseen by Matthew Bailes and Stuart Wyithe.

If the total CPU-hours requested in this proposal round are less than the time available, all requested time will be allocated to proposers without further discussion. A second call for remaining unallocated time will be made three months hence.

If the available time is oversubscribed, Bailes and Wyithe will consult with the proposers and theme leaders, and will aim to accommodate all of the proposed projects without compromising CAASTRO's overall science goals. If it becomes clear that not all proposed programmes can be supported, the CAASTRO Executive will make a priority allocation based upon merit. Priority will be given to proposals that explicitly target activities central to CAASTRO's science goals.

Upon the conclusion of a project or prior to submission of any further proposals, a user must provide a brief report to the CAASTRO Executive describing the use of their allocated time, any submitted or upcoming publications, and any issues that have arisen.

Publications and results produced as part of the supercomputing time with CAASTRO need to be tagged as CAASTRO and follow the CAASTRO publication policy, which can be found at http://caastro.org/policies/publications. Participants must also agree in advance to provide KPIs/outputs that result from their allocation.