

# **ANNOUNCEMENT**

## **2005 GRANTS COMPETITION**

### **CALL FOR RESEARCH PROPOSALS and LETTERS OF INTENT (LOI's) for MAJOR INITIATIVES**

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***Note: This is the FINAL call for submissions until further resources become available to the Foundation.***  
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**The Canadian Foundation for Climate and Atmospheric Sciences (CFCAS)** invites faculty members and teams from Canadian universities to submit funding requests under the following categories:

- 1) Research projects (up to \$300,000 over 3 years).
- 2) Letters of Intent for major collaborative initiatives<sup>1</sup> (>\$300,000 over 4 years).

CFCAS enhances Canada's scientific capacity by funding the generation and dissemination of knowledge in areas of national importance and policy relevance, through focused support for excellent university-based research in climate and atmospheric sciences.

For this last call, CFCAS seeks proposals which will contribute to improvements in policy formulation and/or service delivery in the areas of the Foundation's mandate: **climate, air quality, extreme weather and marine environmental prediction**. To be considered, applicants must include a covering letter describing how the research will contribute to federal policy development, improve service delivery (e.g. weather forecasts, air quality warnings, marine conditions, etc.), help the federal government meet Canada's commitments to the Kyoto Protocol, or otherwise benefit Canadians in a concrete and measurable way. Applicants may also include letter(s) from persons responsible for policy formulation or the provision of services, attesting to the policy relevance and importance of the proposed research. Proposals will be assessed on their scientific excellence as usual, but must also satisfy the above conditions.

### **Competition Themes**

Proposals must address issues in one or more of the areas of CFCAS's mandate and must benefit federal policy, contribute to federal requirements and contribute to the well being of Canadians. Applications will be accepted for consideration in:

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<sup>1</sup> Major initiatives are substantial research consortia of an interdisciplinary and intersectoral nature. They include research networks and multi-partner collaborations.

- **Arctic, northern and cryospheric climate science**, including the functioning of the Arctic Climate System; modeling/forecasting of ice cover and sea-ice; the impact of climate change on permafrost, sea ice and the physical environment;
- **Climate and climate change**. Impacts of climate change on the physical environment, on extreme weather including storm surges and on the hydrological cycle, and the role of the oceans in climate;
- **Air quality** including monitoring and processes related to the transport of pollutants, impact of pollutant concentration in the atmosphere. Atmospheric concentrations and deposition; development and testing of new methodologies for measuring atmospheric contaminants, with emphasis on the link between air quality and climate change and also the role of satellite measurements in air quality characterization;
- **Weather prediction** from urban to planetary scales, including climate predictability and dynamical processes; data assimilation and observing strategies; use of new technologies and analytical methods for monitoring and predicting atmospheric, ice and oceanic conditions; calibration & validation of new instruments for assessing climate variability;
- **Climate models**. Development of model components; sources of uncertainty in models; regional models; climate-ocean modeling as a coupled system;
- **Greenhouse gas emissions**: carbon fluxes and dynamics including inter-annual variability; disturbance; impact of emissions on regional climate change; long term trends in forest carbon; direct vs. human-induced effects on C stocks; inter-annual variability in GHG emissions/uptake.

CFCAS encourages interdisciplinary research focused on climate change and its socio-economic impacts. The Foundation's mandate does not allow it to fund socio-economic or health impacts of climate: it thus encourages applicants to seek partnerships with researchers who can contribute expertise and resources to interdisciplinary research related to climate and its impacts on the social or health sciences.

### Deadlines

- **Letters of Intent**: Tuesday **June 7, 2005** at 16:00 hours.
- **Projects**: Friday **July 8, 2005** at 16:00 hours.

### CFCAS Programs

#### Projects

- Project funding will be provided for up to three years. Grantees will have a total of four years to complete project commitments.
- Requests must not exceed \$300,000.
- Applicants with unusually heavy fieldwork expenses can request a supplement for these (up to \$100,000). The request must be submitted at the same time as the project request and must be mentioned in the covering letter.

#### Networks or Major initiatives

- Requests for networks and major initiatives involve a two-step application process, beginning with a Letter of Intent (LOI). Successful LOI applicants will be invited to submit a full proposal within six months.
- Letters of Intent must not exceed 7 pages.
- Funding requests range from \$300,000 to approximately \$3 million. CFCAS expects applicants to secure additional/matching contributions from research partners or other agencies, in cash and/or in kind.
- Major Initiative Awards are normally for up to 5 years, with the last two years contingent on a satisfactory mid-term review. ***CFCAS is currently unable to fund initiatives beyond 2010, hence proposals must not exceed 4 years.***

## How to apply

Use CFCAS forms 101 (Application) and 100 (Personal Data), which can be printed from the CFCAS web site [www.cfcas.org](http://www.cfcas.org) 'Applications to CFCAS'. The website also contains instructions to applicants. Submissions must include original applicant and university signatures. Applicants must identify key milestones and expected research outcomes or benefits. The covering letter must address the importance of the work for federal policy development or operations.

Applicants should explain how the proposal addresses the CFCAS theme area(s) and should explain how it differs from, or complements their other research activities. They should also indicate how they have allocated their research time among the different projects in which they are involved.

**Note:** Applicants needing logistical support for northern research are advised to contact the Polar Continental Shelf Project for information on PCSP programs and the eligibility of their project for PCSP support. Those requiring ship time should contact the relevant federal department or supplier for information on availability, scheduling and cost.

The following materials are available on the Foundation web site: <http://www.cfcas.org/>

- 1) Instructions to Applicants
- 2) CFCAS Awards Guide
- 3) Frequently Asked Questions (FAQs)
- 4) CFCAS Peer Review Manual

## Evaluation of submissions

Project proposals (≤\$300K) will be evaluated by the CFCAS Grants Review Committee. Decisions on awards will be made by the Board of Trustees and announced in December 2005.

The CFCAS Board of Trustees will evaluate Letters of Intent at the end of June 2005. Applicants will be informed of the results shortly after that.

**To contact CFCAS**

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