Computational Summer Institute 2014

Deadline:
Apr 30, 2014

Applications for this opportunity are now closed.

Research into the complex problems of human–environment interactions requires managing, analyzing, and visualizing large and/or diverse data sets. In addition, performing these tasks is increasingly a team effort, requiring collaborative work in virtual environments.

The National Socio-Environmental Synthesis Center (SESYNC), funded by a National Science Foundation grant to the University of Maryland, invites applications from small teams of researchers for a one-week Computational Summer Institute on conducting data-driven, socio-environmental synthesis research. The workshop will be held July 7–11 at SESYNC in Annapolis, Maryland.

The workshop will offer participants hands-on training in managing the lifecycle of their data and code with a focus on using open source tools, including R. Topics will include, but are not limited to:

- best practices and techniques for collaborative code development;
- developing and testing code for data management, modeling, and analysis; and
- visualizing and disseminating results.

The beginning of the week will cover material in a typical Software Carpentry [1] workshop. During the middle portion of the workshop, breakout sessions will convene to discuss additional tools of interest based on applicant responses. Participants will apply what they’ve learned to their own data and research problems in consultation with workshop instructors during the last two days of the workshop; thus, teams are required to identify and supply data and/or code relevant to their current research problems for this portion of the workshop.

SESYNC will cover eligible travel expenses, such as airfare and accommodations, for all participants. Please see our travel policy [2] for more details.

Eligibility

Small teams (2–4 individuals) of researchers. Teams may include graduate students, postdocs, faculty, and/or non-academic scientists working on any aspect of human-environment interactions. If members of a research group have multiple data-oriented projects they work on, the group should select one of the projects to jointly work on as a team during the institute.

Each participant must provide their own laptop, and teams should bring their own data from a current research project they work on together.

To Apply

Applications are due by April 30 at 5 pm Eastern Time. Enrollment is limited. Teams selected to
participate will be notified in early May and asked to confirm their attendance shortly thereafter.

**Tune into the workshop on Twitter by following the hashtag** #csisesync [3]

*The University of Maryland is an Equal Opportunity Employer
Minorities and Women Are Encouraged to Apply*

---

**Source URL:** https://www.sesync.org/opportunities/computational-institute-2014

**Links**
[3] https://twitter.com/search?q=%23csisesync&amp;src=hash&amp;f=realtime