

Functioning of the GEOS-Chem (GC) Steering Committee (SC)

updated April 5, 2017

Role of the GCSC

The role of the GCSC is to:

- monitor implementation of GC development priorities identified by the GC user community at its biennial meetings;
- review and adjust these priorities as needed;
- oversee the maintenance and integrity of the GC code and input data;
- ensure the good functioning of the GC community;
- promote and facilitate the exchange of information within the community.

Structure of the GCSC

- The SC is composed of the model scientist, the co-model scientist, the adjoint model scientist, the working group (WG) co-chairs, at-large members, and *ex officio* members including the model engineer and GMAO liaisons.
- The statute of *ex officio* positions is reviewed by the GCSC every two years.
- All new GCSC members must have specific positions on the GCSC as model scientists or WG chairs. Senior members can choose to be “at-large” if a new member fills their WG chair position.
- The GCSC reviews its membership every two years, prior to the biennial GC Users’ Meeting. An open email solicitation is sent by the model scientist to the GC user community asking for interest in serving on the GCSC. New members are co-opted by the current members. Incumbent members may stay on or step down. The GCSC strives to have a membership that provides active WG leadership and reflects the international diversity of the GC community.
- The WGs are reviewed by the GCSC every two years prior to the GC Users’ Meeting, with option to initiate/terminate/modify/rename individual WGs.

Requirements for serving on the GCSC

To be a GCSC member one must:

- Hold a stable professional position (beyond student/postdoc);
- Have substantial hands-on experience with GC;
- Have an active research program using GC.

Responsibilities of GCSC members

The responsibilities of the GCSC members are as follows:

- (co-)Model scientists: oversee the functioning of the GC community, fund and supervise the GC support team, maintain the GC standard code and input files, maintain the GC web site, organize GC meetings, chair the GCSC.

- Adjoint model scientist: oversees the functioning of the GC adjoint model community, maintains the GC adjoint standard code, maintains the GC adjoint web site, ensures fidelity between the GC model and its adjoint.
- WG (co-) chairs: represent their WG within the GCSC, promote communications within the WG, evaluate benchmarks, maintain WG wiki page, lead WG sessions at GCSC meetings, prioritize model developments in service to their WG.
- At-large members: support WGs as needed, evaluate benchmarks, carry out special projects.
- *Ex officio* members: report on status of GC code and GMAO activities at telecons and GC meetings, also serve as SC members-at-large.
- All members: attend a 90-minute SC telecon every 3 months with the following agenda:
 - Report on model and WG status/activities;
 - Review model development schedule and priorities, make strategic and short-term recommendations for development;
 - Overview developer credits and good practices;
 - Plan GC meetings and other community events;
 - Any other GC business.