

The *CCMC* Advisory Committee
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How CCMC sees CCMC

- The Community Coordinated Modeling Center (CCMC) is a [multi-agency partnership](#). The CCMC provides, to the international research community, access to modern space science simulations. In addition, the CCMC supports the transition to space weather operations of modern space research models.
- We provide, to the *scientific community*, access to modern space research models through an automated request system for model runs through modern, online, visualization and analysis tools through standard data formats for simulation data downloads.
- We test and evaluate models as an unbiased agent against standard metrics through event studies, and through real-time calculations in support of the needs of science users and *space weather forecasters*.
- We support space weather forecasters through transitioning of research models to operations through model evaluations through the provision of forecasting tools
- We support space *science education* by hosting summer students through the provision of simulations in support of classroom programs.
- The CCMC is situated at NASA Goddard Space Flight Center (GSFC). The CCMC [staff](#) consists of NASA civil servants, contractors, postdoctoral fellows and visitors.

The Charge to the Advisory Group

- **Helps the CCMC to formulate and articulate a vision, and outline a plan for implementation;**
- Brings new ideas and information about emerging opportunities;
- Educates the user community about CCMC activities to maximize the use of CCMC capabilities;
- Widens support for the CCMC in the community;
- Identifies and communicates the needs of different user groups that can be addressed by the CCMC;
- Identifies resources available in the community to support CCMC activities and finds ways to engage the community in CCMC activities that benefit the community and the CCMC;
- Communicates concerns and identifies existing or anticipated problems. Advises on how to address those issues;
- Advises the CCMC on setting priorities to facilitate fast responses to evolving and newly emerging community needs;
- Advises on how to organize CCMC Workshops and helps summarize and disseminate Workshop results.

The CCMC Advisory Group

- The CCMC Advisory Group is not a review panel.
- There are no formal reports required.
- The group will meet face to face at the biennial CCMC Workshop.
- There will be a meeting of the group on Wednesday evening.
- The group will use electronic meeting tools like WebEx to meet with the director.
- **The group will make recommendations on priorities for CCMC activities including new directions.**

CCMC Advisory Group Members 2016 – 2018:

The CCMC Advisory Group Members

Name	Affiliation	User groups	
Ray Walker	UCLA	Modelers, Research Education	Magnetosphere
Alex Glocer	NASA GSFC	Modelers Research, GEM	Magnetosphere
Dan Fry	NASA JSC	NASA human exploration, Space weather users	Solar Energetic Particles Space Weather
Mark Linton	NRL	Research, NASA LWS program	Solar (models)
Joe Minow	NASA LARC	NASA Robotic missions	Space weather
Bob Robinson	CUA	Research, Education, CEDAR	Ionosphere
David Sibeck	NASA GSFC	Research, NASA missions science	Magnetosphere
Howard Singer	NOAA SWPC	Space weather users	Magnetosphere
Jan Sojka	USU	Research, Education	Ionosphere
Nick Arge	AFRL	Modelers	Solar (models)
Alex Pevtsov	NSO	Data, Research	Solar (data)
Marc DeRosa	LMSAL	Modelers, Data, Research	Solar (models, data)
Joe Borovsky	U. Mich.	Research	Magnetosphere
Kent Tobiska	SET, USU SWC	Space weather users, Modelers, Commercial sector	Ionosphere, Magnetosphere

A Personal Perspective



"Yes, Haven, most of us
enjoy preaching, and I've
got such a bully pulpit!"

Theodore Roosevelt in a reply to
George Haven Putnam

The Future of CCMC

- In my opinion CCMC has done an excellent job in carrying out its charge to support the scientific community and education.
- CCMC has given the advisory group a long list of projects they are currently working on. It is quite detailed and the projects seem doable.
- I think that CCMC lacks a strategic vision.
- When CCMC was founded making simulations more widely available was a radical idea.
- Now models and simulations are closely connected with data processing and analysis – they are no longer just the realm of the modeler.
- Understanding research requires not just understanding the data but also the models and simulations.
- Data must be preserved so others can access it. What about simulations and models?

Some Questions for *CCMC* and the Advisors

- Have the overall goals of CCMC changed?
- In what directions should CCMC go in the next few years?
- What is CCMCs role with respect to the broader modeling community?
- What do model and simulation users need from CCMC?