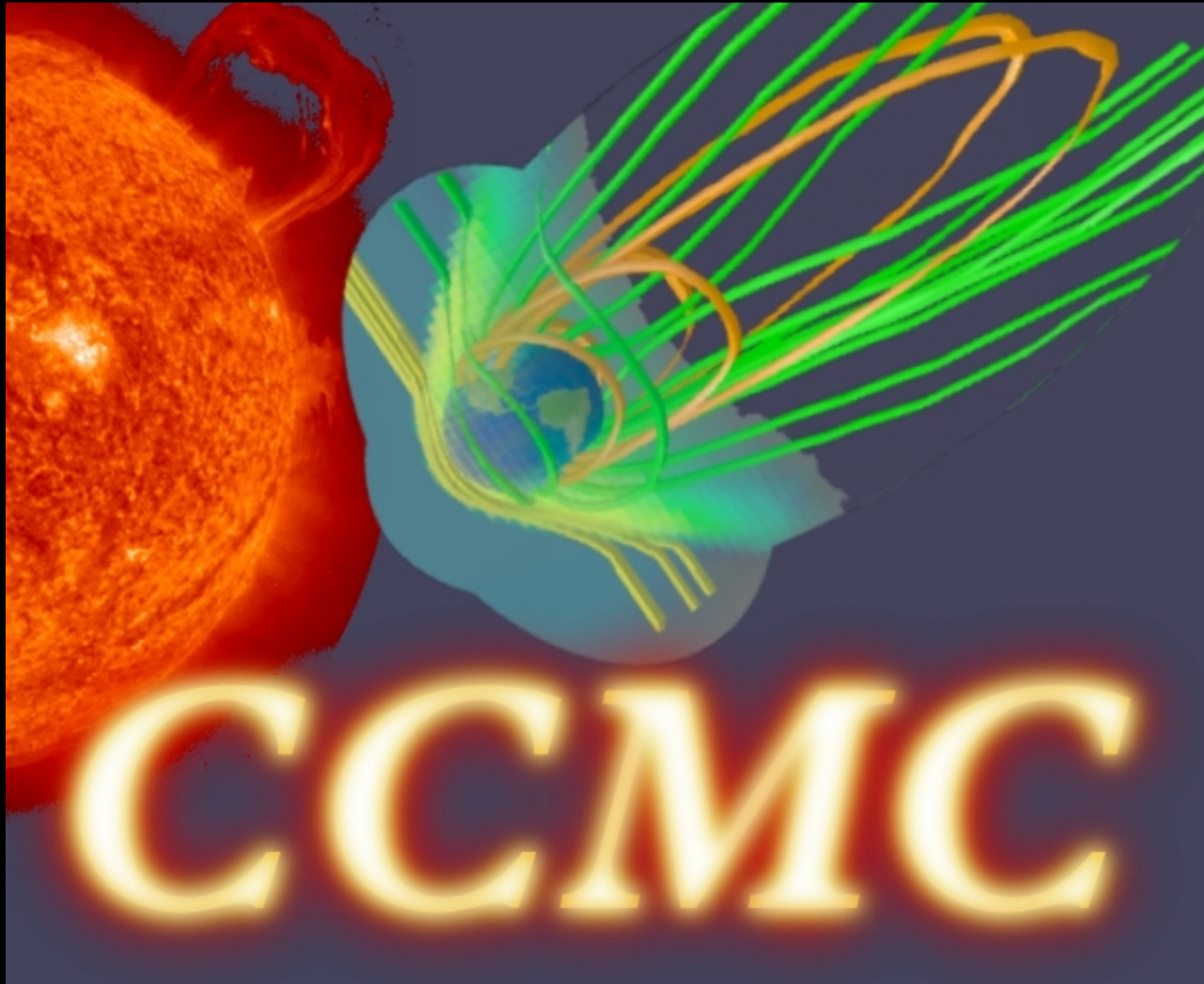
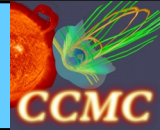


Model Selection Considerations

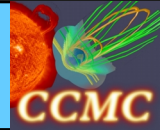


Michael Hesse

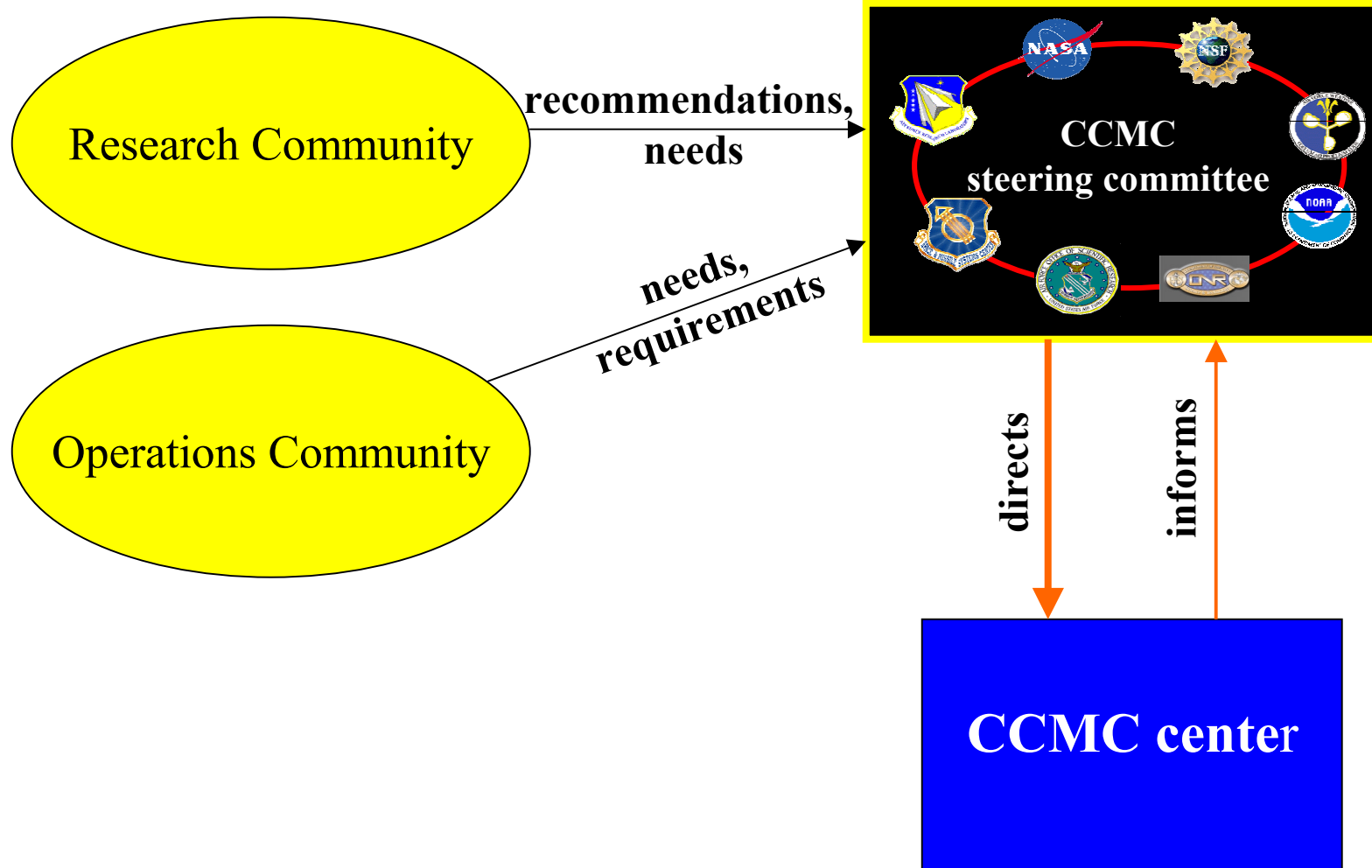


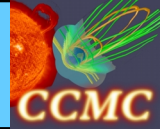
What considerations affect model
integration and adaptation into
CCMC?

...and who considers?



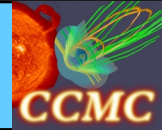
Decision Making Process



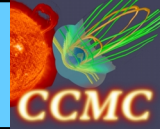


Types of Considerations

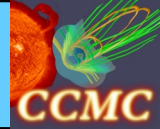
- Programmatic
- Originator related
- Model specific
- Capacity related



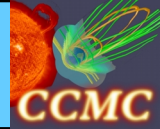
- Programmatic considerations
 - consistent with mission
 - potential to fulfill operational needs
 - potential to support community research
 - can be combined with other models
 - consistent with agency NRA selections
 - source code availability
 - scientific track record of model
 - fits with existing capabilities
 - improves or broadens existing capability



- Originator-related considerations
 - expressed interest to be part of the CCMC process
 - ability to support CCMC activities
 - willingness to undertake/support further model development



- Model-specific considerations
 - computational demands
 - platform requirements
 - ease of use/required babysitting
 - visualization requirements
 - documentation availability
 - numerical stability
 - software/interface compatibility (future)



- CCMC capacity related considerations
 - model integration schedule
 - sufficient personnel to support
 - ease of adaptation, time to adapt
 - in-house scientific expertise
 - computational requirements