Summary of Working Group Survey Responses

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Detail at OSTI

SIP Meeting
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Summary of short answer questions

- Overall positive feedback on WG functionality with proposed areas of improvement
- Meeting Frequency:
  - Slightly more than half WGs meet frequently (every 1-4 weeks)
  - Others communicate through smaller focus groups, personal communication, and emails
- Areas of significant success:
  - All WGs indicated they have completed some SIP milestones.
  - Growing collaboration among NOAA agencies and with external partners
- Coordination with other WGs:
  - All WGs indicated coordination with at least one other WG.
- Optimal numbers of co-chairs:
  - The consensus is 3 (NWS, OAR, and community)
  - Several voted 2 or 4

WG Input on Weakness in own WG, WG structure, or UFS effort

- Most WGs indicated their own WG worked fine
- Challenging to find time out of their regular duties to co-chair WG
- Slowing progress on some SIP projects due to lack of funding support or unresolved conflicts
- Decreased participation in some WGs
- Insufficient HPC resources to meet some WG goals
- Disconnect between Application Teams (e.g., FV3CAM, HAFS, S2S) and supporting WGs
- Unclear mandates to enforce completion of SIP projects on schedule

WG Input on Recommendations to address weakness in WG structure and UFS effort

- Revise SIP membership to address decreased participation and other issues
- Prompt management mitigation to address HPC resource shortage
- Establish a mechanism to enhance collaboration among WGs, including continuation of cross-WG meetings during SIP meetings
- Establish better coordination among WGs that support each application/implementation (e.g., FV3CAM, HAFS, S2S)
- Augment periodic reports of each WG to track progress
- Establish rules of engagement between WGs/SC
- Establish a formal process to resolve conflicts

Applications and Working Groups

- **Considering these 3 Applications Teams**
  - Medium-Range Weather (Weather) - Atmospheric behavior out to about two weeks
  - Subseasonal-to-Seasonal (S2S) - Atmospheric and ocean behavior from about two weeks to about one year
  - Short-Range Weather/Convection Allowing - Atmospheric behavior from less than an hour to several days

- **AG's and WG's - principles**
  - these should shift over time as needed by the UFS
  - total number of groups (AT+WG) should be as small as possible to be effective; reduce the number of meetings!
  - If WG cross-group meetings are needed, maybe they should combine (with sub-grouping)
  - Leadership should generally rotate
  - WG activities should consist of work on funded projects - supported SIP projects and other funded projects
  - WG chairs will be empowered!
- New WG elements: computational performance; observations

Working Group notional

Current working groups

1. Comms & Outreach
2. System Architecture
3. Infrastructure
4. Dynamics (Nesting)
5. Atm Prediction – Physics
6. Data Assimilation
7. Meso/CAM
8. Marine
9. Land
10. Aerosols and Atm Comp
11. Ensemble Development
12. Post-processing
13. Verification and Validation

Application Teams

1. Medium Range Weather
2. Seasonal to subseasonal
3. short-range weather (CAM)

Working Groups

1. Comms, outreach, community support
2. Infrastructure (linkage to EPIC)
   a. Software and Repo; code testing
   b. Workflow
   c. Coupling, System Architecture
3. DA & ensembles
4. Dynamics, computational performance, nesting/gridding
5. Atmospheric physics and aerosols
6. Marine – includes ocean, ice, wave and coastal
7. Land
8. V&V linking to diagnostic/bias issues for applications; postprocessing

Breakout Group key roles

Group A

Facilitators: Vijay (Wx), Avichal (S2S), Curtis (Convection Allowing)

Guides: Dorothy, Ricky

Group B

Facilitators: Fanglin (Wx), Cristiana (S2S), Pam (Convection Allowing)

Guides: Hendrik, Ivanka

Group C

Facilitators: Geoff M. (Wx), Lou W. (Convection Allowing), (S2S?)

Guides: Brian, DaNa