



Earth System Science Pathfinder Program

Management of Earth Venture Continuity Missions

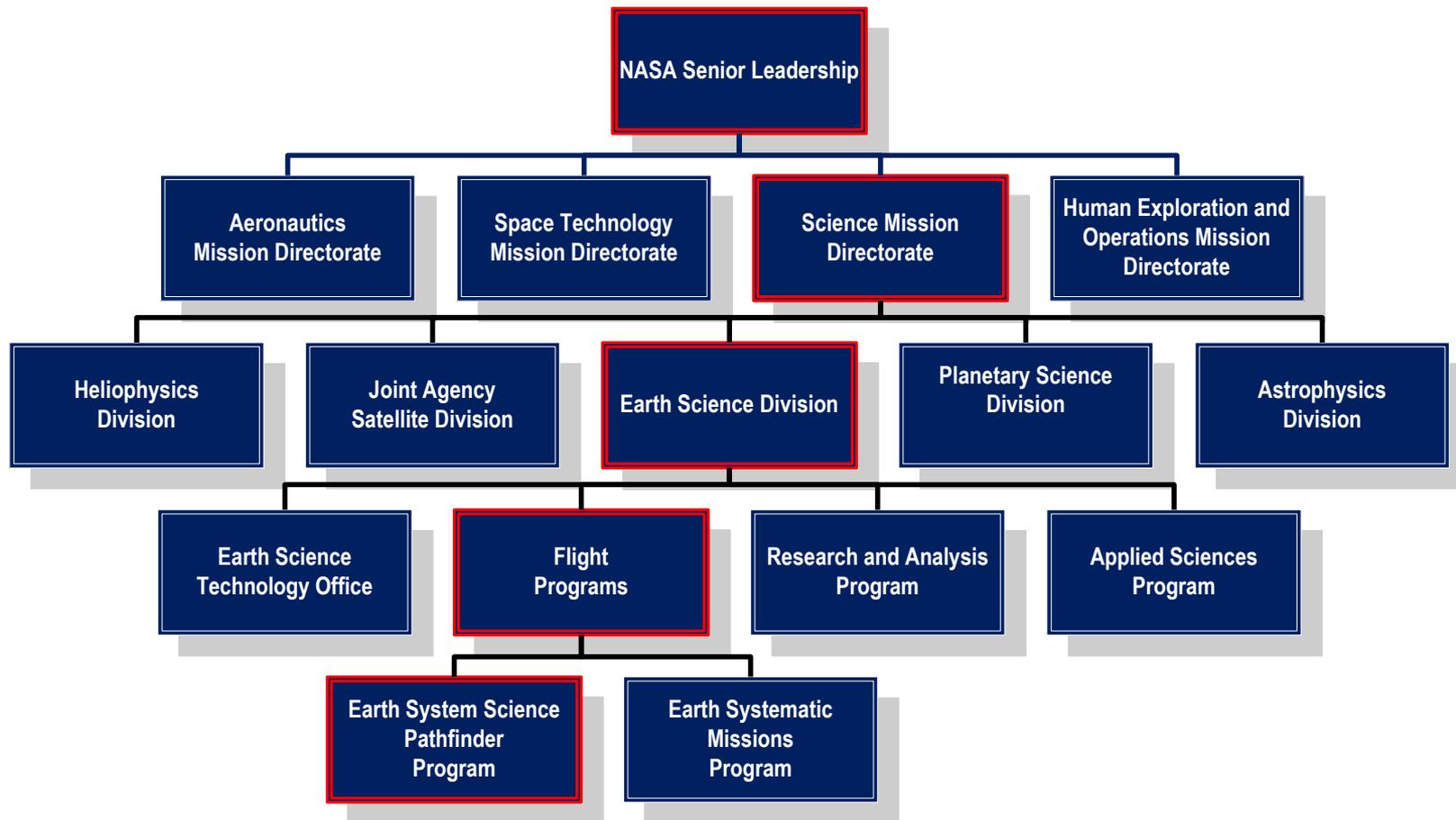
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February 28, 2019

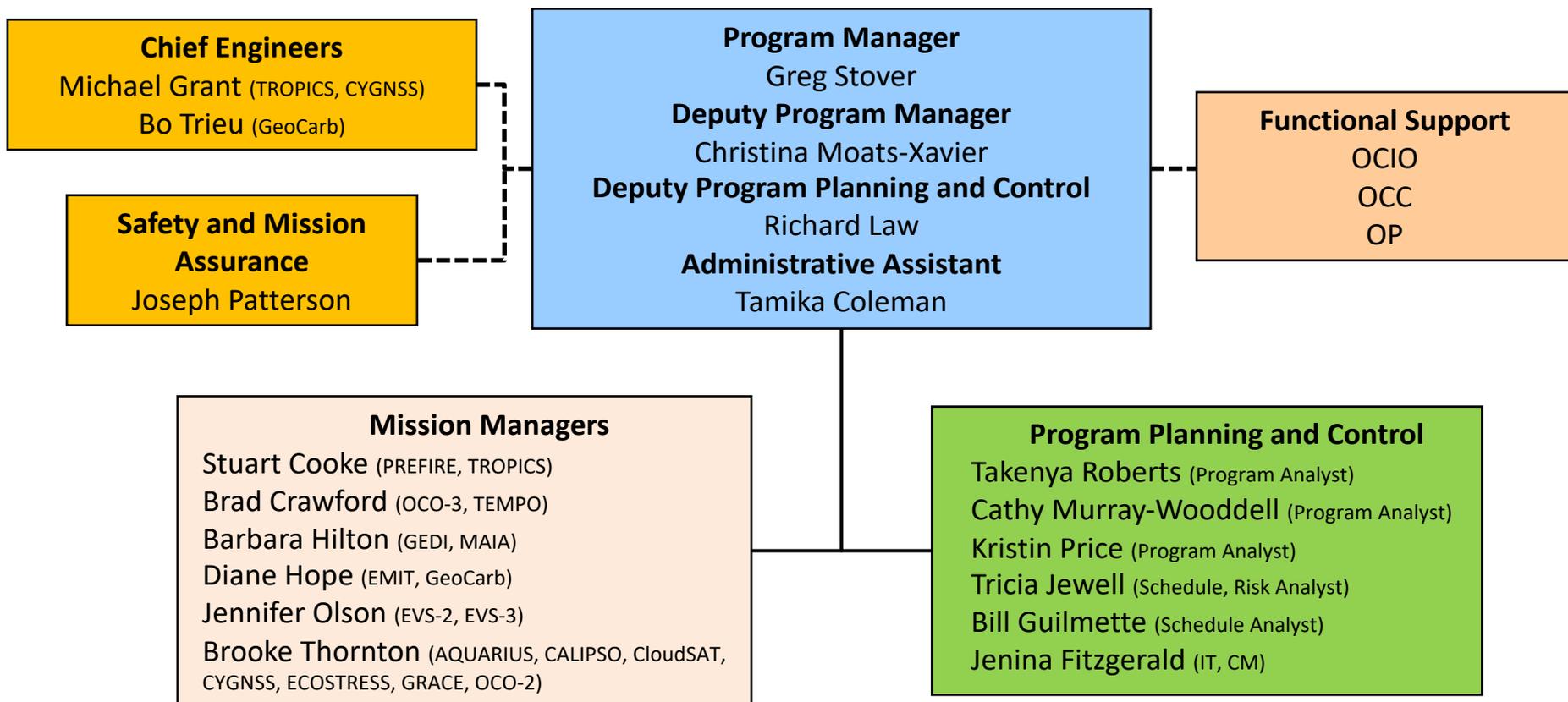


NASA Organizational Structure





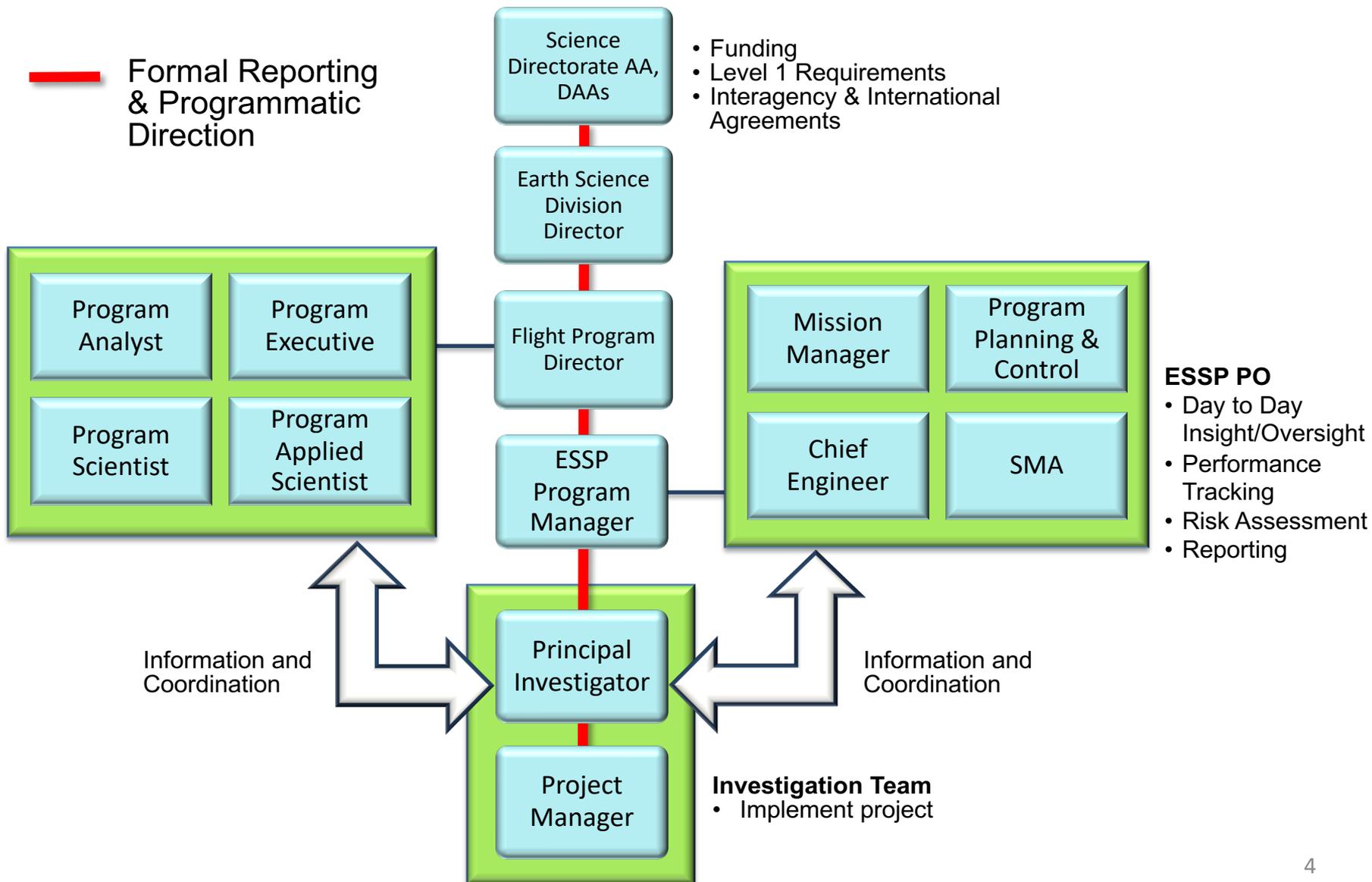
ESSP Organization



———— Direct
- - - - - Matrix



Lines of Authority and Coordination



Earth Venture Continuity



- Potential Flight Option Selections
 - Focused Mission of Opportunity (FMO) – JPSS
 - Focused Mission of Opportunity – Hosted Payload
 - Small Complete Mission (SCM)
- Management philosophy is the same for all flight options
- Only difference – FMO have accommodations funded outside of the PI-managed mission costs
- ESSPPO has experience in the Flight Options
 - FMO similar to Earth Venture Instrument (4 rounds EVI, to date)
 - SCM similar to Earth Venture Mission (2 rounds EVM, to date)



Management of Earth Venture Investigations

- Management approach allows flexibility in processes and procedures for implementation while ensuring NASA programmatic requirements and risk posture are visible and acceptable
 - The PI has a large degree of freedom/responsibility to accomplish the proposed science objectives and achieve a successful mission
 - NASA is required to perform oversight to ensure project is on-track to meet mission success criteria
 - Mission will comply with the requirements of NPR 7120.5E and NPR 7123.1B
 - Some tailoring may be appropriate
 - May use developer defined equivalent processes
- Focus will be to work with the project to develop credible technical and programmatic plans and track plans vs. actuals

Earth Venture Management Philosophy (2 of 2)



Goal of ESSP Program Office is to facilitate project success:

- Advocate for project with stakeholders
- Inform ESD on progress, issues and accomplishments
- Work with Program Scientist and Program Executive to assess status and risks
- Examine the proposed development practices and processes and work with team to use these to meet NASA requirements

ESSP uses insight to facilitate project success



Project Interaction

Per SALMON-3 AO 4.1.2 *NASA Program Management*: “NASA will exercise essential oversight to ensure implementation responsive to requirements and constraints of NPR 7120.5E and other NASA requirements documents”

- Nominal activities
 - Reporting on technical, cost, schedule, and risk, beginning in Phase A:
 - Weekly telecons to understand implementation progress and foster discussion of issues
 - Monthly reporting to ESSP coordinated with implementing organization reporting process & products
 - Participation by NASA in project reviews, technical interchange meetings, science team meetings
 - Support from project on gateway assessments
 - Ad hoc telecons/meetings
- Subject Matter Expert Assessments
 - May be initiated by the Program Office to inform risk assessments
 - May be performed in conjunction with the project’s activity or tiger team
 - Assessments available to the PI for consideration

Hosting Services & Accommodations Overview



- Hosting Services and accommodations are outside of the PI-managed Mission Cost
 - Hosting services will include the following:
 - Host spacecraft
 - Integration to the spacecraft
 - Operations (command uplink)
 - Access to space (Launch Vehicle)
 - Data downlink from the host spacecraft and delivered to the instrument science data processing system
 - Accommodations are investigation-unique items or activities required for integration and operation on the Host (or LV) that are outside of the PI managed cost cap
- ESSP PO manages the Hosting Services and accommodations activity outside the PI-managed Mission Cost



Contractual Award Process

- Upon selection, proposal team develops Statement of Work (SOW)
- NASA Mission Manager and selected proposal team, with guidance from the NASA Contracting Officer, finalize the SOW and the deliverables
 - Typically a 6-month process
- The NASA Contracting Officer will:
 - Request revised cost proposal and negotiate based upon finalized SOW and contract type
 - Negotiate type of contract/terms and conditions – based on best method to achieve the objective of the statement of work and project
 - Require a Certificate of Current Cost or Pricing Data

We look forward to welcoming Earth Venture Continuity into the ESSP portfolio

