

# New Business...New Work...New Partners?

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# Adapt to trends in the market and stakeholder environment affecting the Center





# **External partnerships serve multiple purposes – supporting Center strategy** in several ways

	Benefits of External Partnerships	Goddard Impact		
Subtoday, Partner tomorrow?	Develop and strengthen skills and technologies	Serve as opportunities to strengthen Goddard's existing capabilities and develop new technologies		
	Maximize the Center's contribution to the Nation and the public good	By extending Goddard's reach, help to maximize its contribution to both the scientific community and to US technological leadership		
	Increase public and political support for both Goddard and NASA	Build public awareness and can strengthen political alliances in support of Goddard's (and NASA's) activities		
	Attract human capital	Attract top-tier talent with non-traditional backgrounds; provide staff with opportunities to work on new growth initiatives		
	Diversify funding streams / cover workforce	Diversify Goddard's portfolio to help insulate against fluctuations in core market (i.e., NASA, NOAA) budgets	e" in measurem	
		"Step Func	, ion <sup>2</sup>	



Develop a balanced, sustainable portfolio of external partnerships that support our mission and strategy







### Goddard's core capabilities form the foundation of any partnerships



# NAM

### Goddard Space Flight Center - Center Org Chart



EVERY organization has a New Business lead at the Directorate and Division level.

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# **Core and Enabling Lines of Business!**





# Why Does Goddard Have LOBs?

- Goddard needed to organize to prioritize and capture new work effectively and efficiently
  - Needed a Process for the Formulation for an Integrated Center Strategy for Business Development
- Structuring how we manage our work (portfolio) by organizing into Lines Of Business (LOB) was the first step in 2006
- Much of the Infrastructure was in place
- In May of 2008, we strengthened existing elements to support new business development in the LOBs by:
  - Creating LOB Core Teams, assigning responsibility, and holding them accountable
  - Defining the structure, the resources and communications model
  - Defining a concept of operations (guidance, expectations, deliverables)

### Outcome

Integrated, focused business strategy for each LOB with investment resources aligned to capture new business.



# The LOBs Are Accountable For

- Tracking opportunity forecast
- Develop annual strategic objectives (1 to 3 year goals)
- Develop and implement 1-year action plan of tangible and measurable tasks and activities traceable to each of the LOB strategic goals which will serve as the focus for LOB operations, reporting and measuring progress
  - For each goal, the action plan will contain the following:
    - Relevant IRAD elements or needs
    - Concept studies
    - Pre-proposal activities
    - Advocacy (marketing) plan
    - Partnership strategy
- Manage approved set of resources, including SED Strategic, IRAD portfolio and B&P resources, having the authority to reallocate resources after concurrence with the appropriate responsible official
- Provide programmatic oversight of individual capture efforts within the LOB
- Report LOB status to NBC on a Monthly basis including hot topics, issues, challenges, key
  accomplishments, communications with external entities (e.g., HQ, partners, stakeholders, etc



# **Competitive Opportunities Are Always Partner Friendly**

### • AO (HQ Science Mission Directorate)

- Earth Science, Heliophysics, Planetary Science, Astrophysics\*
- Astro

Planetary

Earth

- SMEX Small Explorers (\$105M + ELV)
- Helio → Explorer (\$200M+ELV)
  - Discovery (\$425M + ELV)
  - → New Frontiers (\$650M + Launch)
    - Earth Venture (\$150M)
      - EVs = Suborbital (field campaigns) (\$30M/campaign)
      - EVm = Full **M**ission (orbital) (\$150M for a single mission)
    - Mission Specific Instruments
      - Mars 2020 (instruments for next rover)
    - OCT Broad Agency Announcements (BAA)
      - Technology Demonstration Missions



#### OCT = Office of the Chief Technologist

\*Competitive aspect of Mars Program is within Planetary Science Division



# **Directed Work Is Usually RFP Friendly**

### **HQ Science Mission Directorate**

- JWST (James Webb Space Telescope)
- JPSS (Joint Polar Satellite System)
- HST (Hubble Space Telescope)
- IXO (International X-ray Observatory)
- LISA (Laser Interferometer Space Antenna)
- STP (Solar Terrestrial Probes)
  - MMS, GEC, MagCon
- LWS (Living With a Star)
  - RBSP (Radiation Belt Storm Probes)
- NPP (NPOESS Preparatory Project)
- GPM (Global Precipitation Measurement)
- ICESat II
- WFIRST (Wide-Field Infrared Survey Telescope)
- **PACE** (Plankton, Aerosol, Cloud, ocean Ecosystem)



# **Partnering Opportunity Documents (PODs)**

 Current AO/NRA Headquarters selection process does not satisfy competition requirements for selecting industry partners. NASA's GSFC Principal Investigators (PIs) or at times Co-Is must use separate competitive processes to establish industry partnerships for new hardware/software contracts, unless adequate sole source justification exists.

#### This Process has been developed to streamline partnership selections and contract awards after NASA's GSFC PI (or Co-I) selection

### PODs are the primary approach for all non-science hardware partnering

- -They are specific to a given NASA HQ Announcement of Opportunity (AO) or NASA Research Announcement (NRA)
- -They serve as the basis for a Justification for Other than Fair and Open Competition (JOFOC) for Unusual and Compelling Urgency when awarding a contract to the partner after the proposal is selected for implementation (i.e. the proposal is a Single Step or Step 2 that has "won")

### PODs are an Agency accepted, FAR approved procurement approach to partnering

- -NASA's GSFC Procurement and Legal worked closely with HQ Legal to establish
- -The method to communicate and disseminate the POD is consistent with standard Procurement requirements ("level playing field")
- -Their use is limited to proposals that are responding to NASA HQ AOs/NRAs



# When Do You Use A POD?

- You must be responding to a NASA HQ AO/NRA
- PODs will be developed in terms of opportunities; i.e. Discovery AO, EV1, SMEX, MIDEX, etc.. If the opportunity is delayed, the POD will remain viable for that opportunity.
- The hardware needed for the proposal's concept is not "incidental to the science"
  - In the case where a PI/Co-I is providing a piece of hardware as part of his/her involvement in the proposal's science team, there is no requirement for a POD, as the hardware is deemed "incidental" to the science
- There is a developmental aspect to the hardware
  - It is not available as required "off the shelf"
  - Example: the spacecraft configuration required is not available under the RSDO contract, thus you issue a POD for your spacecraft

Note:

Partner(s) selected will be investing their own Bid & Proposal (B&P) funds in the proposal effort



# When Not to Use a POD?

- If you are just looking for possible sources of support (vendors)
  - Work with Procurement to issue a Request For Information (RFI)
- If you are just looking for a ROM cost quote on a piece of hardware
  - Work with Procurement to issue a Request For Quote (RFQ)
- If you are looking for partners on a study report that has no stated (or obvious) linkage to a future AO
  - Contact Carl Stahle (Code 500)) about existing partnering mechanisms
- The hardware is "incidental" to the science
- The Principal Investigator (PI/CoI) has a vested interest in partnering with a specific company
  - "We're the Government and we can't play favorites"
  - Contact Procurement Steve Lloyd, AA for Space Sciences and Nipa Shah, AA for Earth Sciences about formulating a Justification for Other than Full and Open Competition (JOFOC) if you have a long term relationship already established
- If you are responding to any solicitation other than an AO
  - Contact Carl Stahle about existing partnering mechanisms



# Conclusion

### Capturing New Work is unlike any other activity at Goddard, yet it depends on many of the things we've always been very good at

- Directed and Competitive work both depend on the *right mix* of science, technical expertise, management (cost & schedule), and partners
- Strong partners are developed over time and over multiple opportunities
- It is essential to Goddard's long-term "mission success"
- Goddard is successful in the proposal and capture arenas because we have an outstanding mix of science (ideas!), engineering, management, external partners and a new business process that supports them.



# **Come Talk With Us!**

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