

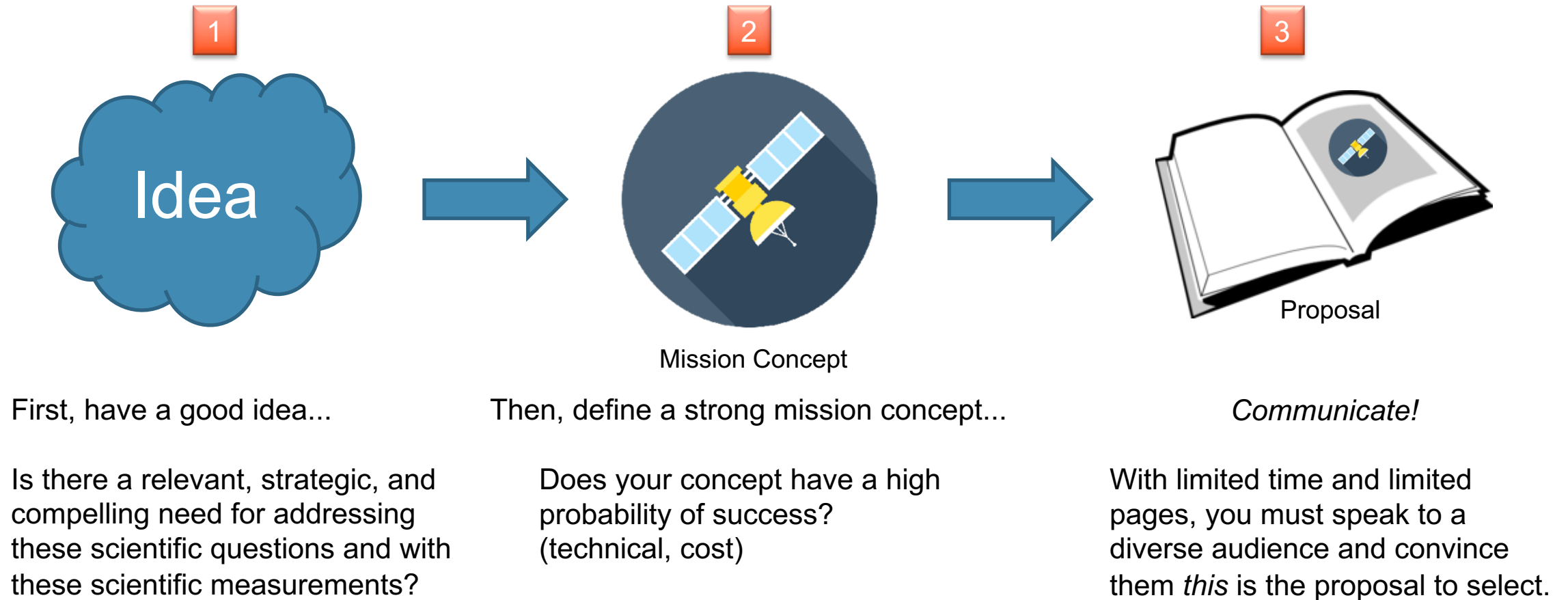


Goddard Space Flight Center Proposal Development



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February 8, 2021

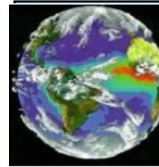
From Notion to Proposal



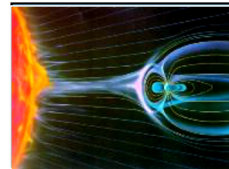
Goddard's Core Science Lines of Business



Astrophysics



Earth Science



Heliophysics



Planetary Science

Steps in Science Mission/Instrument Competition



- LOB issues Call for Concepts
- Concepts vetted against multiple strategic and tactical factors

- Assessments:
 - Science concept/STM
 - Technical feasibility
 - Schedule/cost feasibility and risk

- Independent reviews:
 - Blue Team - strategy
 - Pink Team - storyboard (recommended)
 - Red Team
 - Gold Team (optional)
- Executive Review - organization approval and commitment

- Step 1: Proposal team must respond to Potential Major Weaknesses
- Step 2: Proposal team still actively engaged preparing for Site Visit/ PI Briefing to Selection Official

Monthly (or bi-monthly) status reviews during development

Supporting PI Development



- PI qualifications
 - Science community recognition/publication, Leadership skills, Management skills, Spaceflight systems development knowledge, Mission experience
- Development opportunities
 - Multiple training opportunities: Mission Concept Development Workshop, Goddard Technical Managers Training, Leadership training, proposal writing, HQ PI Launchpad
 - Formalizing a Goddard PI Development Program
 - Mentoring – informal and formal program
 - Science and Engineering Collaboration Program – rotations to engineering
 - Proactively promoting opportunities for gaining increasingly responsible mission experience:
 - PI experiences on smaller efforts: IRAD, R&A proposals, Tech development (PICASSO, IIP, H-TIDeS, etc.), and Sounding rocket, balloon, and airborne experiments
 - Deputy PI and PS experience