Astrophysics Projects Division



Cosmic Origins Program

Program Office Technology Management

PhysPAG Briefing AAS Meeting, Austin Texas

Jackie Townsend

PCOS/COR Advanced Concepts and Technology Office Head

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Technology Management



- Technology investments selected based on merit-based review processes
- Decisions are informed by an ongoing discussion with our community through our Program Analysis Groups (PAGs) and through extensive outreach
 - The community identifies technology needs by working with the PAG or through individual input using the program web site.
 - The Program Technology Management Board (TMB) prioritizes these needs each summer based on a published set of criteria that includes assessments of urgency, relevance to defined missions and science objectives, and the broader programmatic context
 - These priorities are published each year in the Program Annual Technology Report, along with the status of technologies that were funded the previous year
 - The program references these priorities and this report over the following year as the calls for technology proposals are drafted and selections are made
- This process improves the transparency and relevance of technology investments, provides the community a voice in the process, ensures open competition for funding, and leverages the technology investments of external organizations by defining a need and a customer

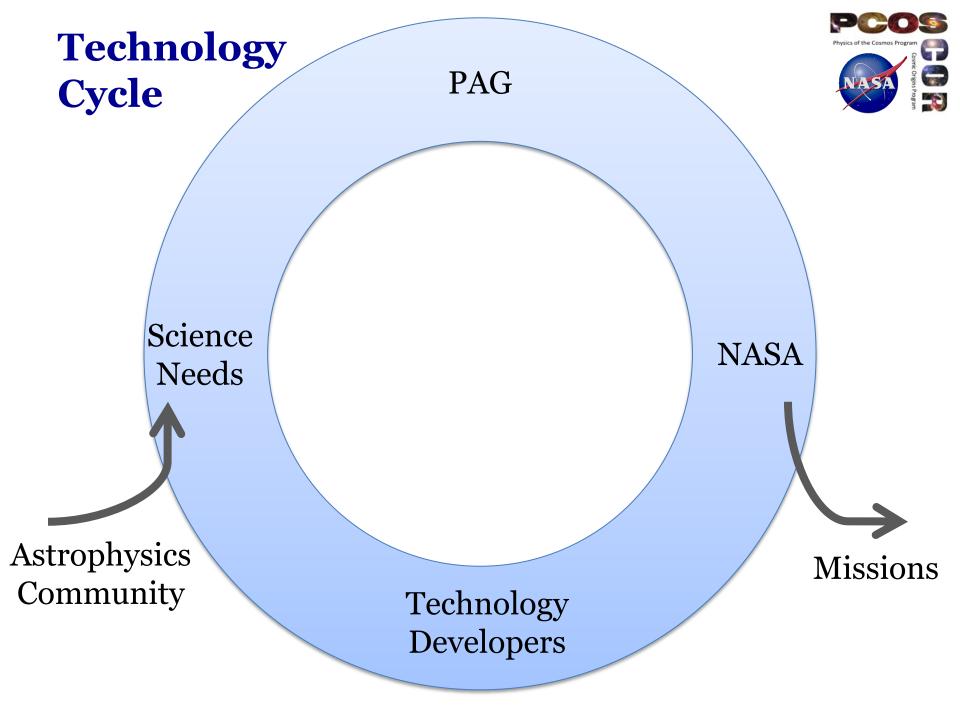
Technology Management Board

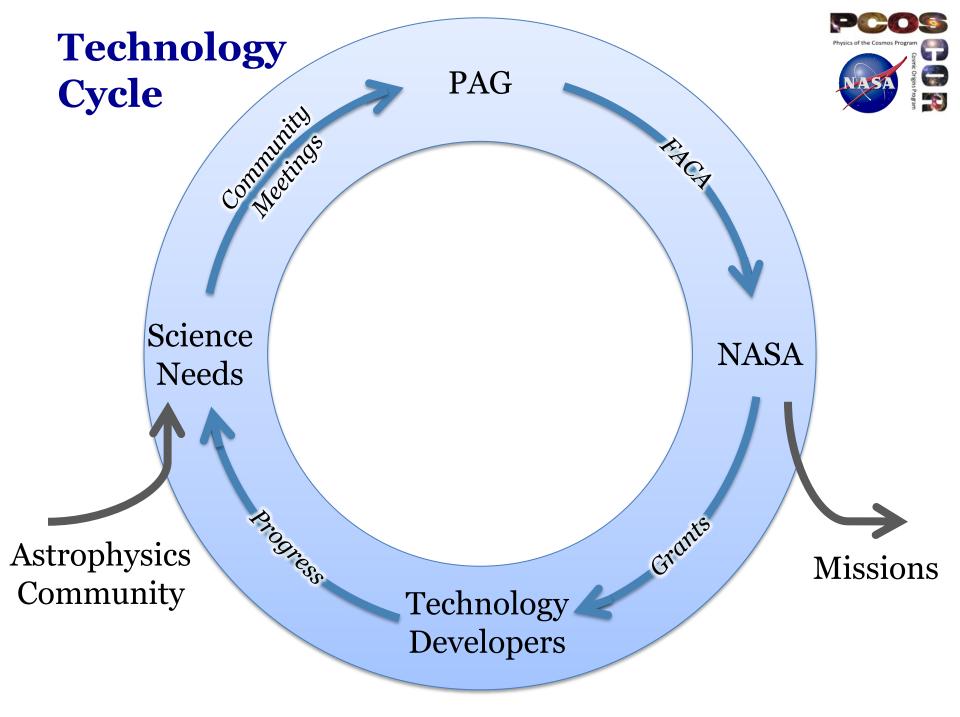


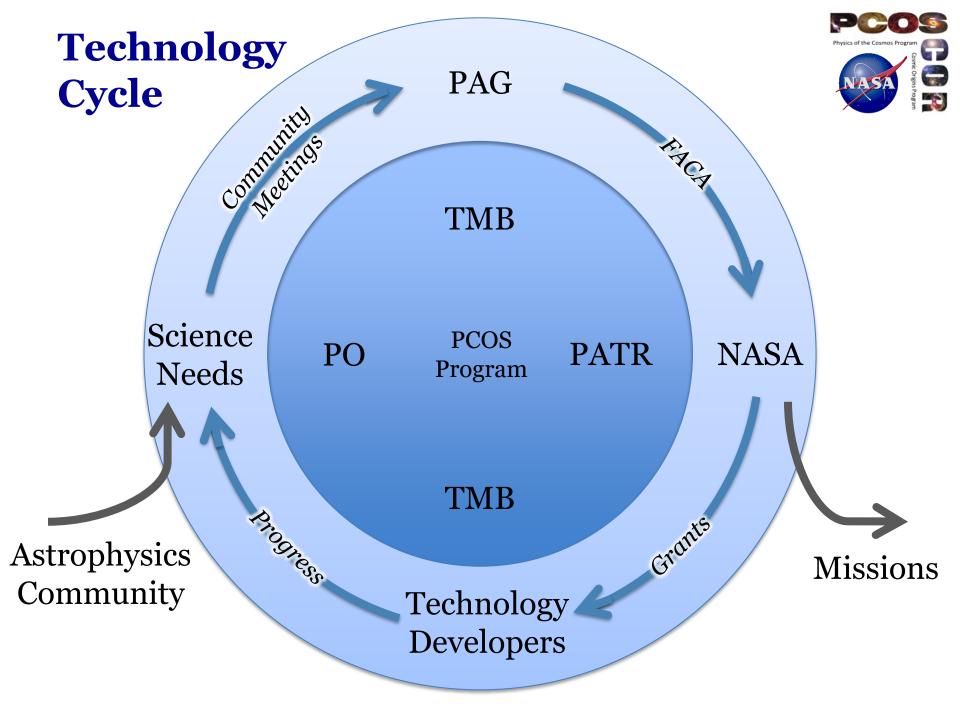
- Responsibilities
 - Reviews and prioritizes Program's technology needs
 - Provides input to Program technology development activities and planning
 - Reviews recommendations for technology development selections
 - Reviews and vets technology development plans and achievement milestones

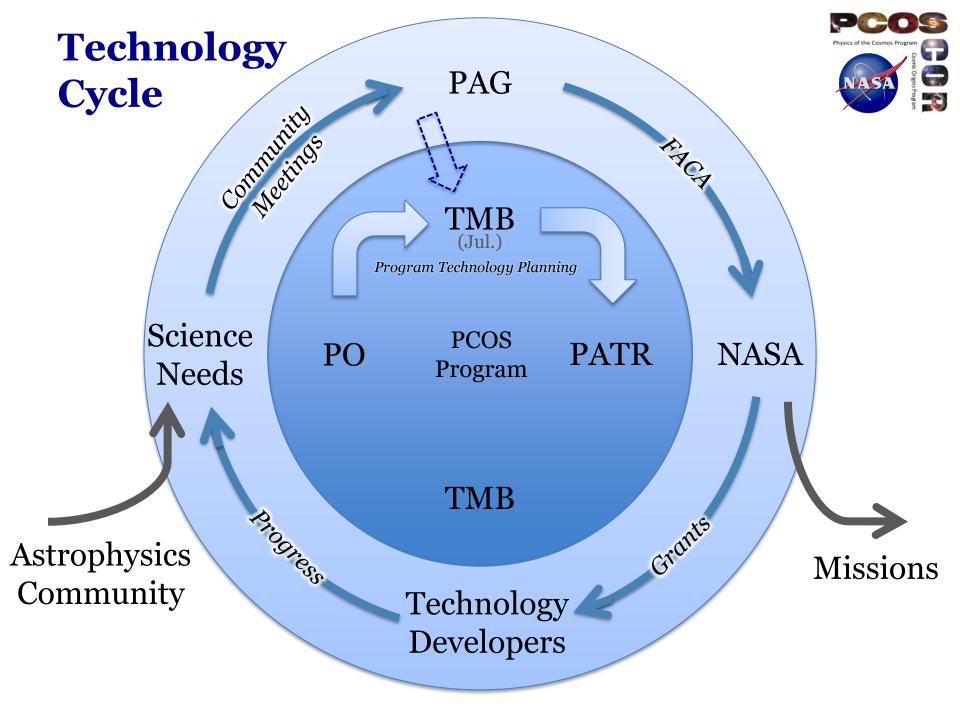
• PCOS TMB:

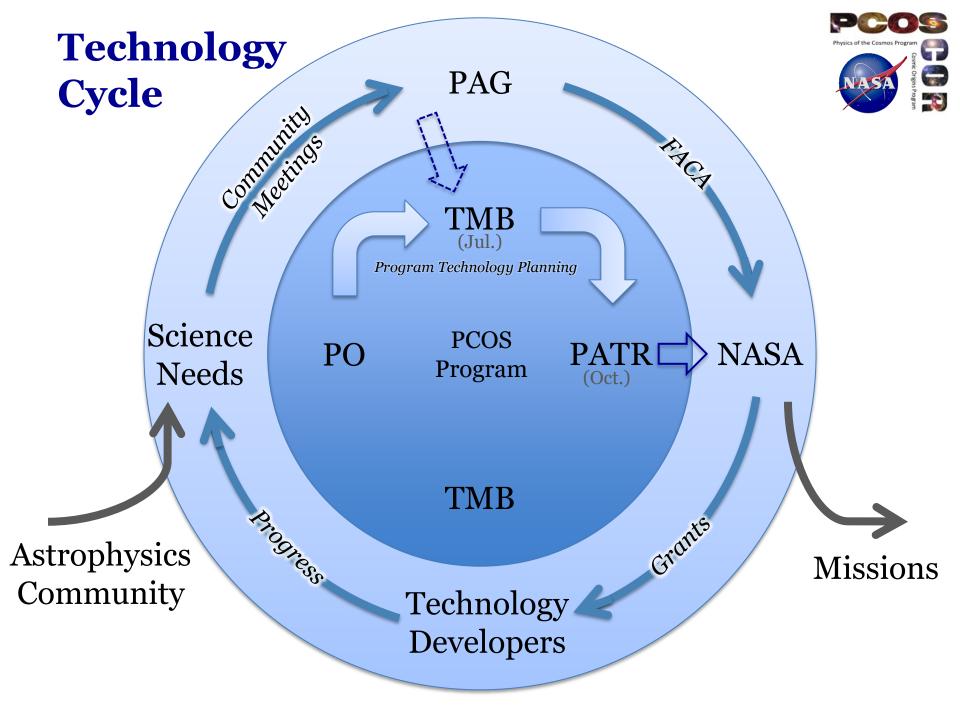
- Thai Pham (Chair, ACTO Chief Technologist)
- Mansoor Ahmed, Tom Griffin (PCOS Program Management)
- Ann Hornschemeier (PCOS Chief Scientist)
- Jackie Townsend (PCOS/COR ACTO Head)
- Allan Cohen (PCOS/COR Systems Engineering Lead)
- Jaya Bajpayee (PCOS Program Executive)
- Rita Sambruna (PCOS Program Scientist)
- Wilt Sanders, Richard Griffiths (Program Scientists)

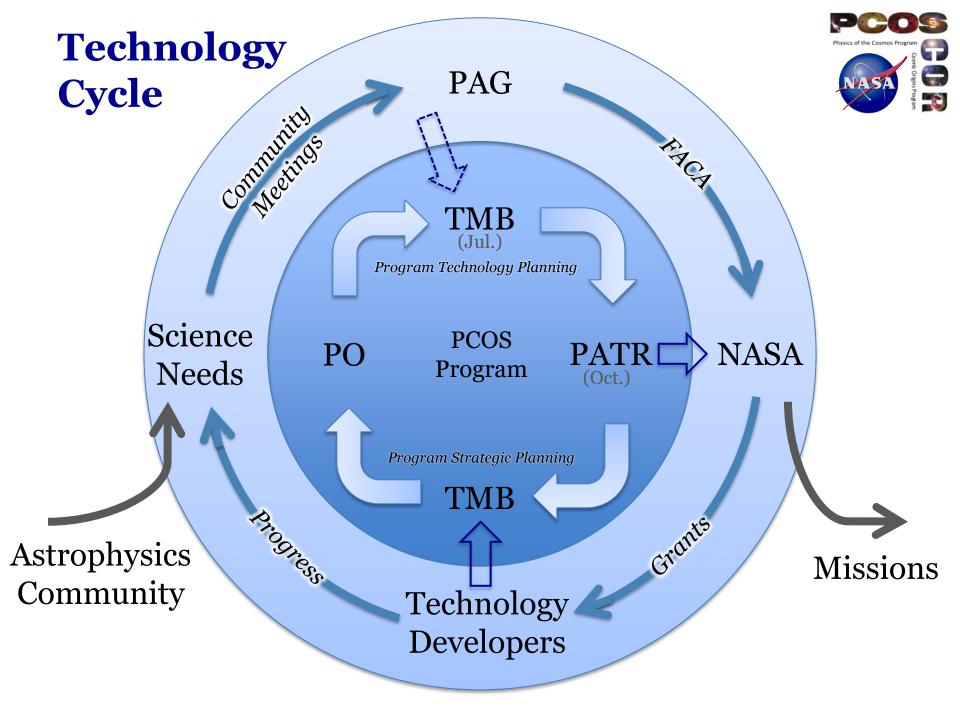


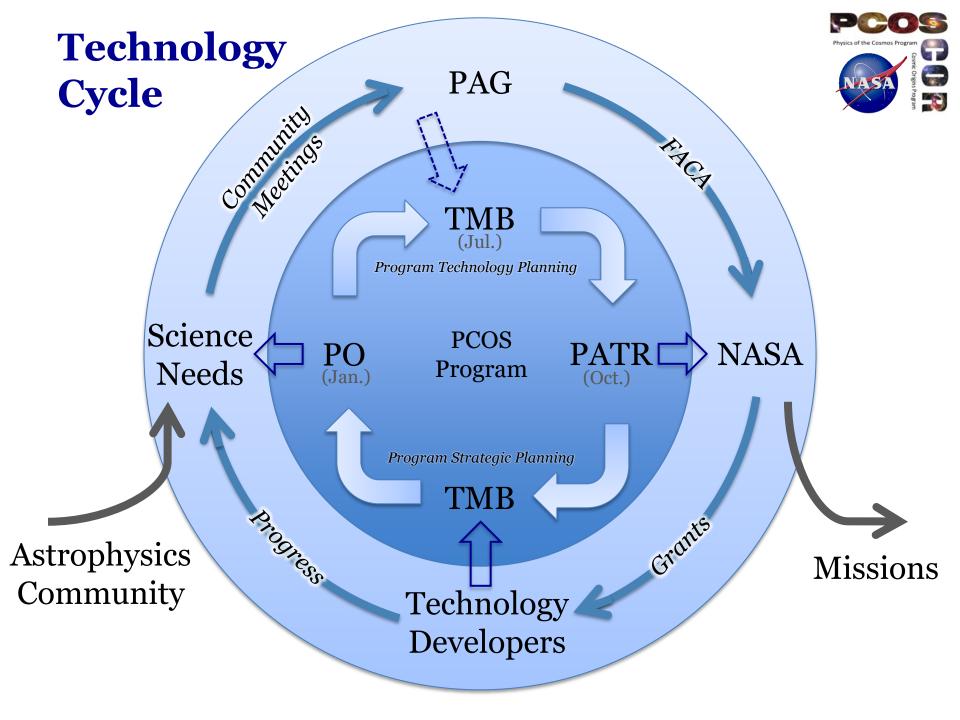












Summary



- A merit-based, transparent process has been established for technology development that will ensure alignment with program goals
 - Community input and PhysPAG participation is essential
- As mission concepts mature, directed funding may be available to fund vetted Technology Development Plans. Until a vetted TDP is in place, all technology funding is allocated through open competition (e.g., APRA, SAT)
- FY13 SAT Call has been released
 - <u>http://nspires.nasaprs.com/</u>
 - select "Solicitations" then "Open Solicitations" then "NNH11ZDA001N". Appendix D.8 is for the SAT
- Key Dates
 - SAT: NOI due 1/27/12; Proposals due 3/23/12
 - Technology needs due to Program by June 30