

ISS Symposium 2012  
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# NASA RESEARCH PRIORITIES FOR ISS

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# NASA Research Priorities for ISS



## Priority 1

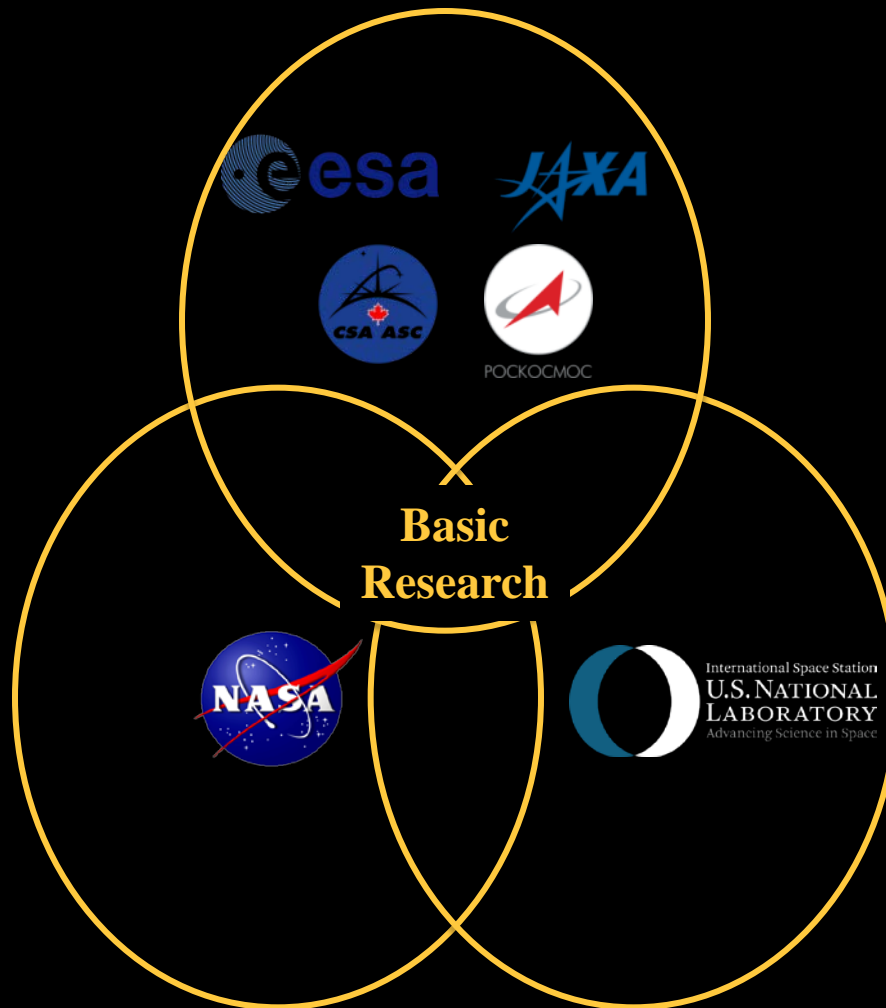
### Meeting International Commitments

*Enabling Successful Research for All Partners to Benefit Humanity*

### Priority 2

**Exploration  
Mission-Driven  
Research**

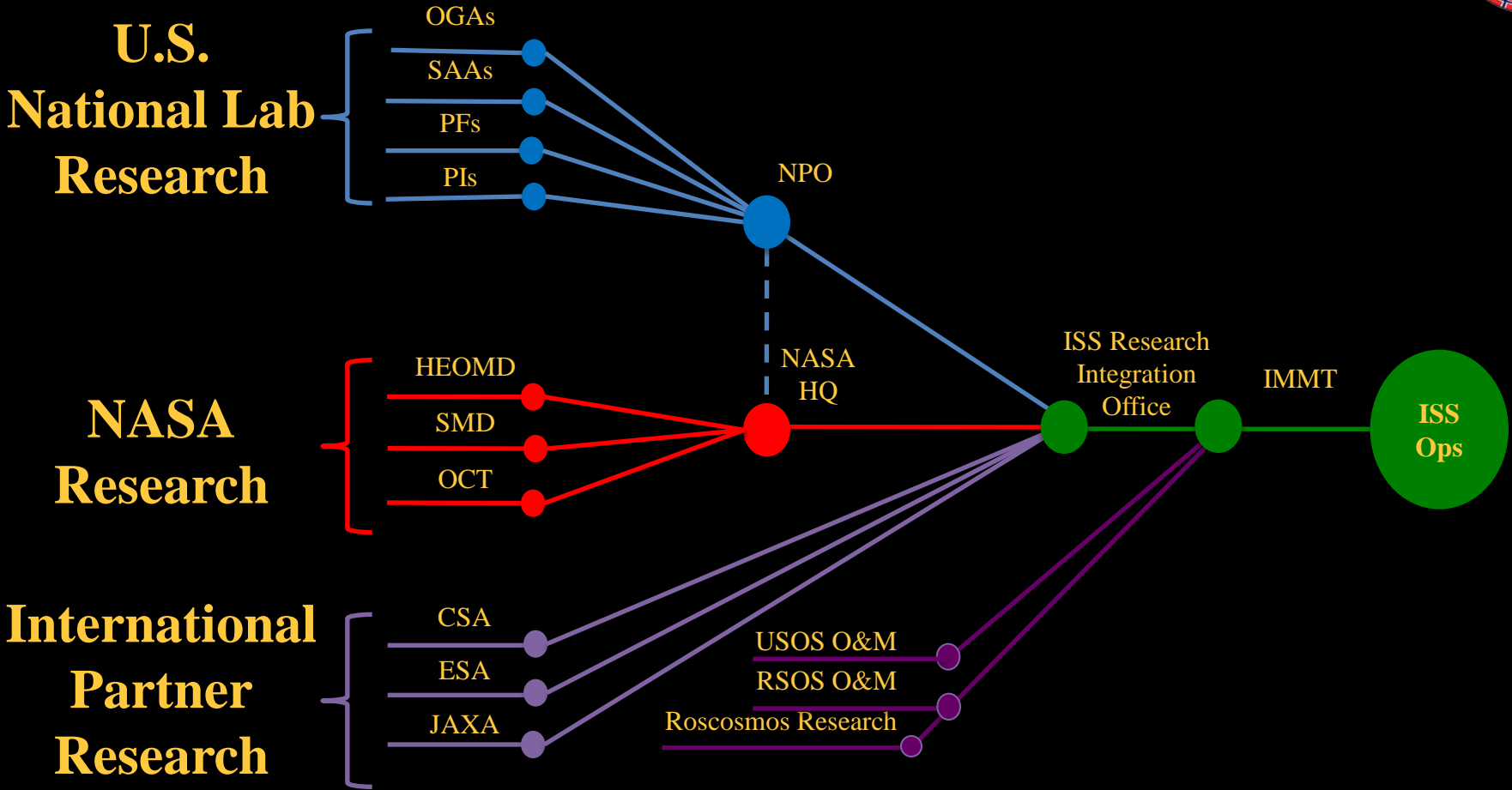
*Biophysical  
Sciences  
&  
Spacecraft  
Technologies*



**Priority 3  
US Research  
in the  
National  
Interest**

*Practical  
Applications  
of  
Orbital  
Spacecraft*

# The Management Challenge to ISS Productivity: Integrating Priorities



CASIS – Center for the Advancement of Science in Space

CSA – Canadian Space Agency

ESA – European Space Agency

HEOMD – Human Exploration and Operations Mission Directorate (NASA)

IMMT – ISS Mission Management Team

JAXA – Japan Aerospace Exploration Agency

NPO – Non Profit Organization (U.S.)

O&M – Operations and Maintenance

OCT – Office of the Chief Technologist (NASA)

OGA – Other Government Agencies (U.S.)

OPF -- Private Firms (U.S.)

PI – Private Institutions (U.S.)

RSOS – Russian Segment Operating System

SAA -- Space Act Agreement (NASA)

SMD – Science Mission Directorate (NASA)

USOS – U.S. Segment Operating System

# Balancing the US ISS Research Portfolio: Conventional Management Principles



- **Diversify investments to reduce risk:**
  - basic scientific research & discovery
  - applied research for public/private benefits
  - engineering research for future space missions
- **Monitor investment performance closely:**
  - citation strength of peer publications
  - value of patents and licensing agreements
  - spacecraft technology demonstrations
- **Adjust portfolio balance based on performance**



*Produce Benefits for All Humanity*



# 1st Annual International Space Station Research & Development Conference

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## *Results and Opportunities – The Decade of Utilization*

June 26-28, 2012

Denver Marriott City Center

Denver, Colorado

<http://www.astronautical.org/>

