Outline

• **STMD Knowledge Mapping**
  – Case Studies / Publications
  – Face-to-Face Knowledge Services
  – Online Tools
  – Knowledge Networks
  – Lessons Learned / Knowledge Processes
  – Search / Tag / Taxonomy Tools

• **Knowledge Capture Process Development**

• **STMD Knowledge Management Status**
STMD Program Newsletters
• Technology Demonstration Missions
• Game Changing Development
• Small Business Innovative Research

NASA Technology Publications
STMD Face-to-Face Knowledge Services

STMD Face-to-Face Services
• Technology Day on Capital Hill
• Outreach to University Researchers
• Program Annual Reviews
• NIAC Symposium
• Conference Presentations

NASA Innovative Advanced Concepts Symposium

STMD Presentation to Ga. Tech Researchers

“Technology Day” on Capitol Hill
STMD On-Line Tools

- STMD Website
- Program Websites
- OCT TechPort Website
- NASA Website
STMD Knowledge Networks

- Program Communities: Principle Investigator community
- NASA Innovative Advanced Concepts: NIAC Fellows
- Game Changing Development: “Meet a Game Changer” community
- Space Technology Research Grants: Researcher community
STMD Lessons Learned / Knowledge Processes

- Technology Demonstration Missions: Lessons Learned Database
- Game Changing Development: Close-Out Process includes lessons learned
- NASA Innovative Advanced Concepts (in development)
- Center Investment Fund (in development)
- Small Business Innovative Research (in development)

TDM developed a new Lessons Learned database

- Developed thru an Aerospace task
- TDM is partnered with USAF Space Test Program (STP) to share Lessons Learned
- Database is pre-populated with STP LL applicable to TDM missions by phase (150+ lessons to date)
  - Implemented in Excel; simple and searchable
  - Uses capture template that is compatible cross-platform
  - Baseline delivery is Dec 2013.

A resource for Project Managers to find and employ applicable Lessons Learned
STMD Search / Tag / Taxonomy Tools

- Small Business Innovative Research: TechSource
- STMD Programs:
  - General Website Search Capabilities
  - OCT TechPort Website
  - STMD Knowledge Capture Initiative
Knowledge Capture Process Need

• Currently each STMD Program has its own process for the documentation of program results

• Knowledge capture processes vary among programs

• Access to program results usually requires direct requests to program offices

An integrated STMD knowledge capture process would provide efficient access to the knowledge gained from STMD Programs
# Knowledge Capture Summary

<table>
<thead>
<tr>
<th>Program</th>
<th>Defined Closeout Process</th>
<th>STMD MINX Archive</th>
<th>Dedicated Program Server</th>
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## STMD Knowledge Capture Interfaces

### Current Interfaces

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<th>STMD Websites</th>
<th>OCT TechPort Website</th>
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**Partial Knowledge Availability**
• **Where are we?**
  - STMD has many activities that apply to the Agency Knowledge Map
  - STMD has not integrated its’ activities into the Agency Knowledge Map

• **Where are we going?**
  - STMD has initiated development of a Knowledge Capture Process
  - Several programs are developing Lessons Learned processes

• **Where do we need help?**
  - STMD Programs need to increase awareness of the Agency Knowledge Management activities
  - STMD needs help to develop inputs to the Agency Knowledge Map