Space Economy For All

“Why Space to Think Space”

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Founder- The Space Team

Supported by University of Pittsburgh Medical Center
The Space Economy

1. What is it?
   - Has it been defined?
   - How would you define it?

2. What does success look like?
   - For a Nation, a company, academic institution, or a community or an individual.

3. How is it measured?
   - Growth/GDP/Profit
   - Employment
   - New business
   - National pride

Let’s find out
Both the Challenge and the Opportunity

A Pioneering Moment
The Global Space Economy is real

2018 Space Foundation report revealed the 2017 global space economy totaled $383.5 billion worldwide. Most of this is satellite related.

Also during 2017:

- Seven countries/agencies spent more than $1 billion on space.
- The US share of global governmental space spending was 57%.
- 7% increase in the number of orbital launch attempts worldwide.
- There was a 100% increase in the total number of spacecrafts deployed.
- 200% increase in the number of commercial spacecrafts deployed.
- Investors provided record amounts of funding to start-up space companies in 2018. - 200 million more than the previous year.
- Investments in ground segment companies that link satellites back to Earth totaled $110 million in 2018.
So why doesn’t it feel more real?

- Post Space Shuttle
- Limited Access to Space
- Cost Prohibitive
- Life becomes increasingly busy
Airplane to Airlines

- 50 years of heavy regulation = Industry dominated by a few airline companies

- In 1970 see deregulation due to British airlines offering low cost trans-Atlantic flights forcing US airline companies having to lower costs to compete.

- Post deregulation = new carriers = new routes = greater access to the world.

- Fares dropped as competition and the number of customers increased
“Why Space to Think Space”

Founding The Space Team

Why Does Space Matter? = Relevant
Why Should I Care About Space? = Relatable

My Role

Design Engagement Pathways
Facilitate Process
Create Positive Experience
Build Champions

Success

Research Projects
Community Awareness and Engagement
Start-up Community
Accelerating The Space Economy

- Will require ongoing participation of government, commercial companies, international partners.
- Work towards political and international cooperation and collaboration, strategic partnerships.
- The Budgets of NASA along with most global space agencies, and even national governments is insufficient to sustainably fund the space economy and will need a range of public and private contributors to advance beyond the initial stages.
- Broad, robust, public support
- Tolerance for risk and bad times.
- Continue the grassroots efforts!!!
- Preparing, energizing, mobilizing the future generations!!!
Thank you

John Donehoo, RPh.