Regulatory Experimentation Workshop

Community of Federal Regulators
26 November 2018

Workshop agenda

- Goals and objectives 5 minutes
- Activities:
  - Identifying target areas and experiment types 20 minutes
  - Defining success 20 minutes
- Top takeaways 10 minutes

Goals and objectives

Given what you heard from this morning's session, what one or two things would you find practical to explore further?

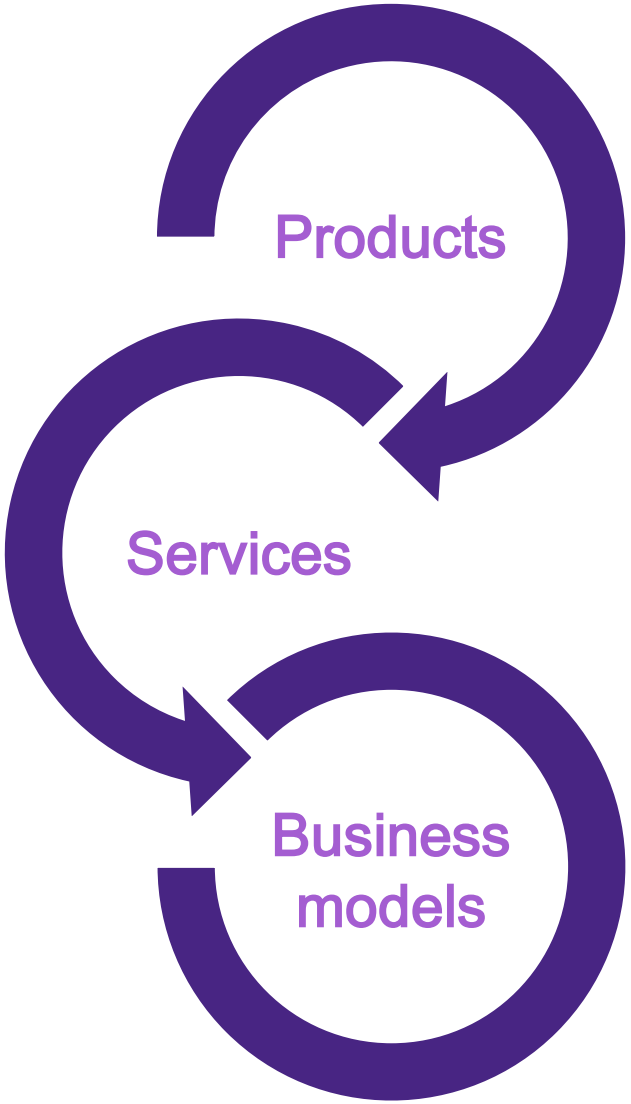
- Daily work
- Agility

Activity 1

- Take 20 minutes to draw connections between target areas and experiment types.
- What conclusions can you draw?

Target areas

Emerging technologies



Known & unknown risks

Emerging technologies

HEALTH & LIFE SCIENCES

Biotech

Brain scanning

CRISPR/Gene editing

Genomics

mHealth

Precision medicine

Regenerative medicine

TRANSPORTATION

Autonomous vehicles

Smart traffic management

Predictive maintenance

GENERAL

Artificial intelligence

Augmented reality/Virtual reality

Big data

Blockchain

Brain-machine interfaces

Cybersecurity

Drones

Nanotechnology

Robotics

3D printing

ENVIRONMENTAL

Synthetic biology

Geo-engineering

Smart dusts

SPACE

Astrochemistry

Astromining

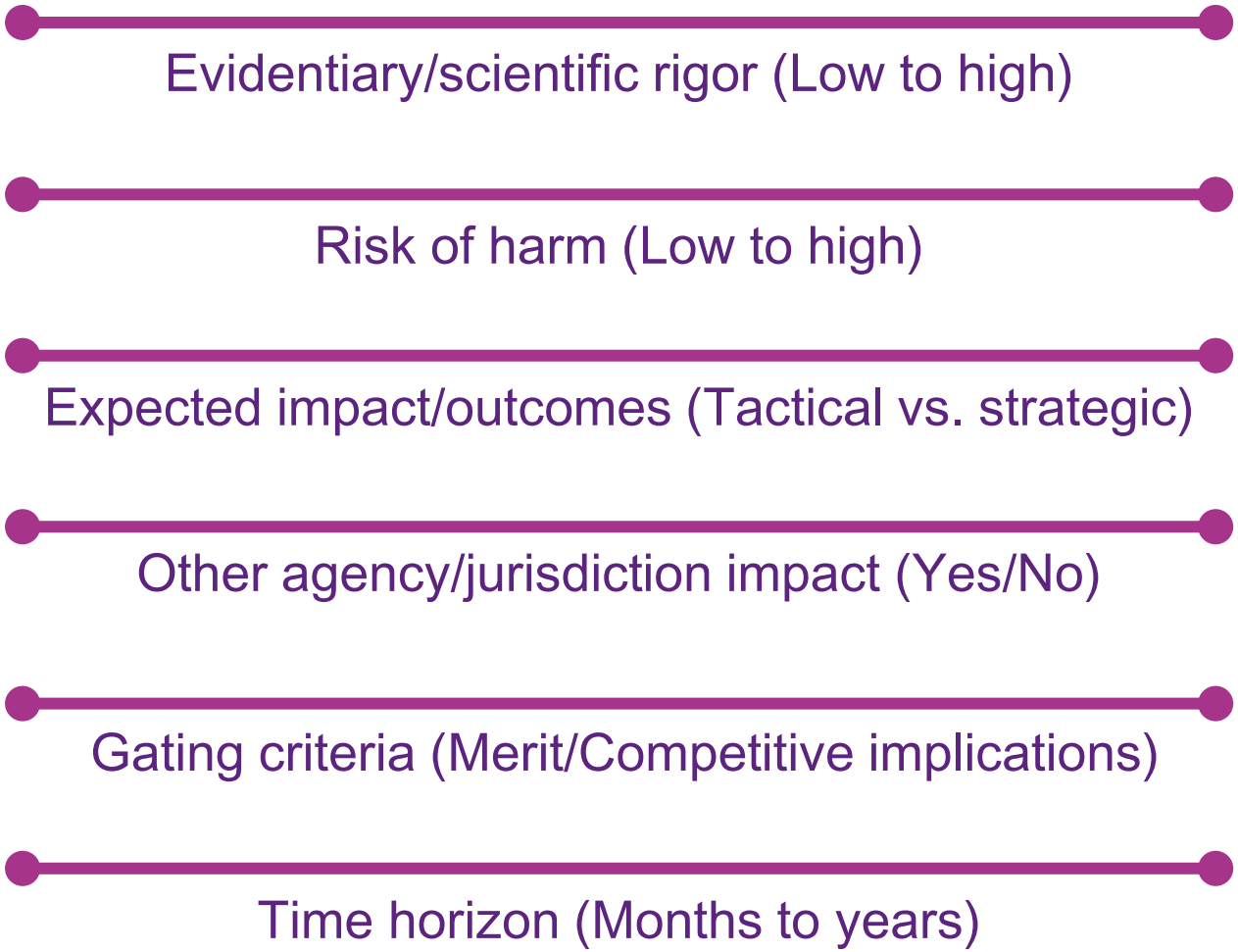
Commercial space flight

Small satellites/Cube sats

Satellite networks

Spiritus

Experiment selection: Some factors



Activity 2

- Take 20 minutes to define success factors that might be most important in general, or in your area of work specifically.

Key success factors: Examples

- Frameworks and models
- Skills and capabilities
- Capacity and ability to scale
- Stakeholder satisfaction
- Cross-agency/jurisdiction collaboration

Top takeaways

1.

2.

3.

4.

5.