

Commercial Perspective: Overview, Benefits, Issues, Solutions

J.C. Green Space Weather Round Table

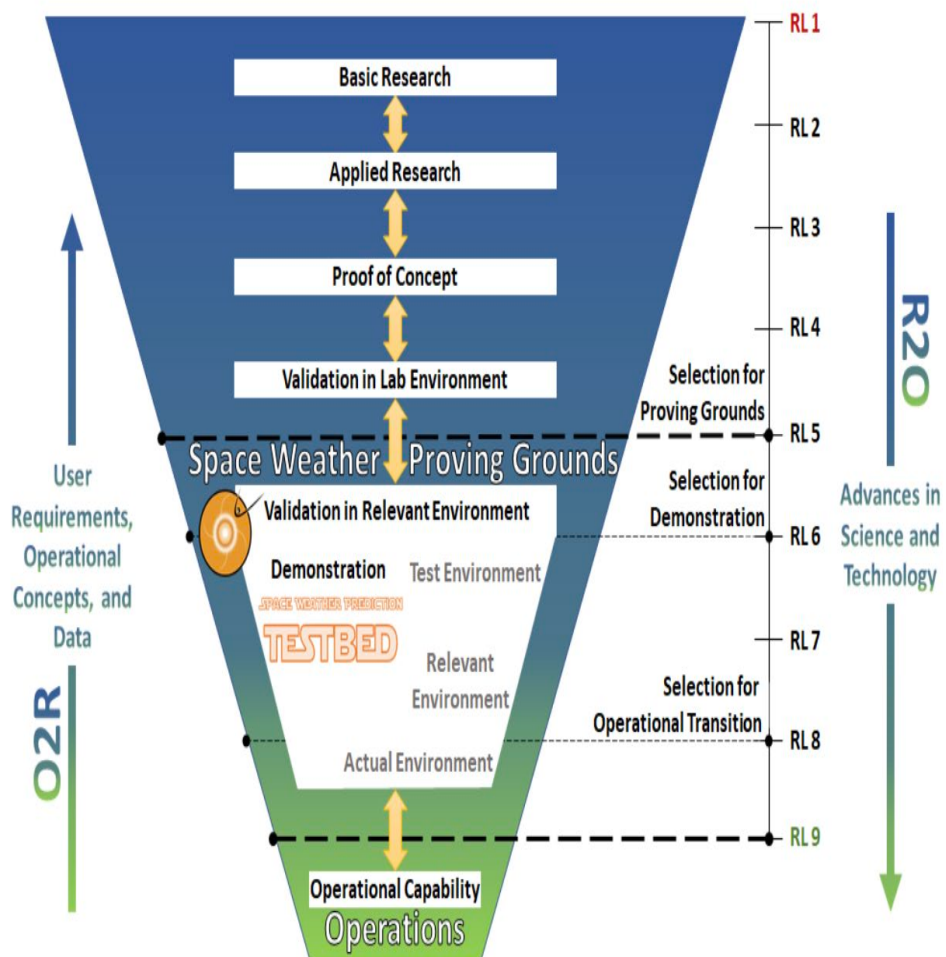
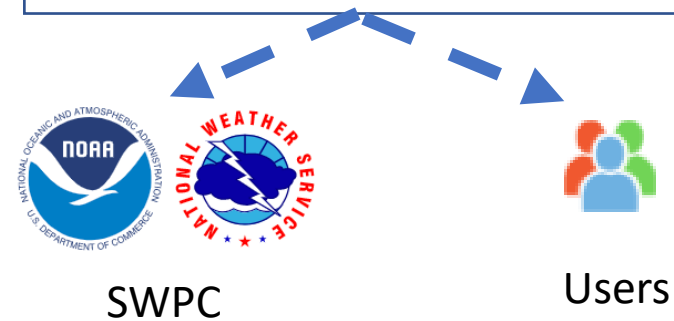
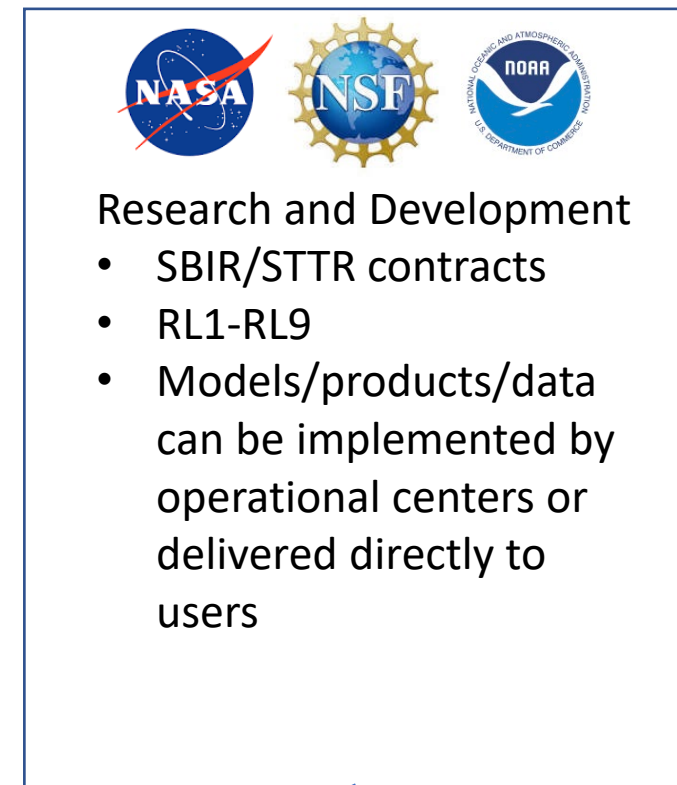


Figure 1: Research to Operations to Research Process (NOAA Example)

Academic/ (Commerical) R2O Pipeline



Commercial R2O Pipeline



Benefits of SBIR/Commercial Space Weather

Adds needed/supplemental capabilities to the space weather enterprise

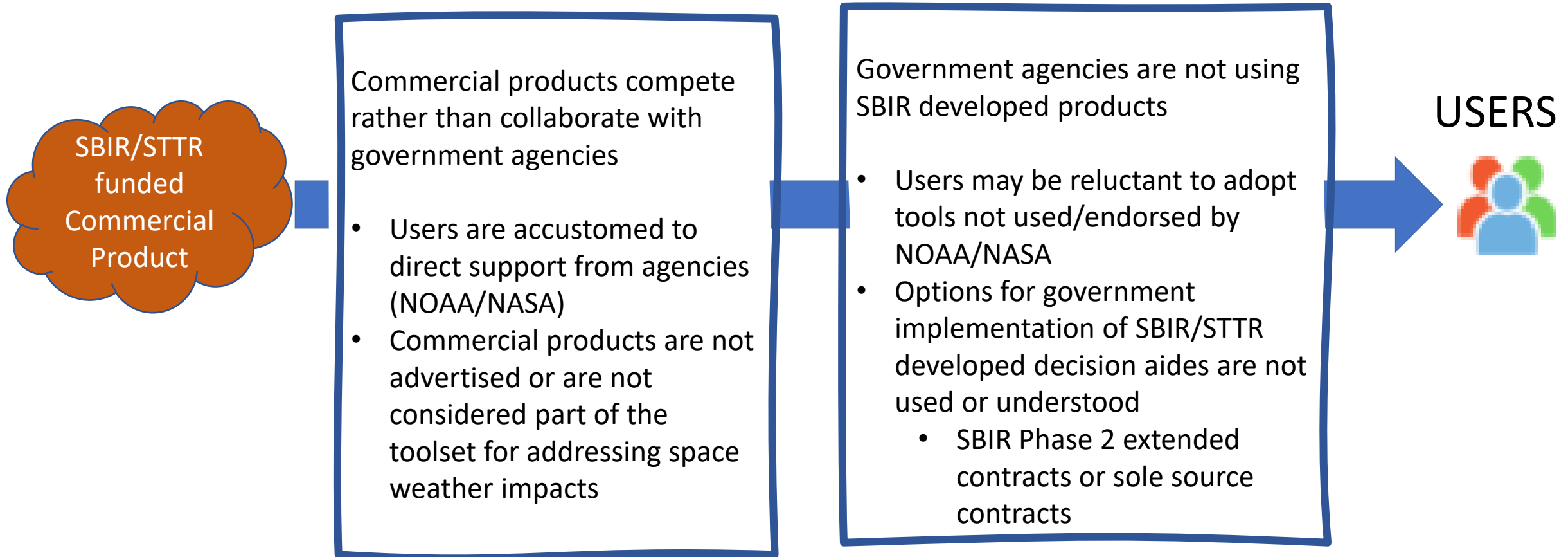
- Commercial groups can provide ***tailored*** services/products/models directly to users for their specific systems and use cases that are outside of scope of government operational centers
- Commercial groups can provide specific services/products/models to government agencies through contracts rather than grants

Additional funding

- Users fund tools/applications that they need

Issues

Commercial route to users and the SBIR/STTR process is not well defined and issues exist



Solutions/Improvements

Development of space weather decision aides should be a collaborative effort between government agencies and commercial sector that benefits both groups

1. Define a mechanism for government agency contracting with commercial providers and small businesses that would enable SBIR phase II-extended/Phase III development and other collaborative transition efforts
2. Develop protocols for agency interaction with commercial space weather providers and products
3. Create an informational web page for users with descriptions of commercially available space weather products
4. Identify/create a government liaison that would interact with commercial providers and implement the tasks above