



*Promoting Cooperative Solutions for Space Sustainability*

# **A Update on the Handbook for New Actors in Space**

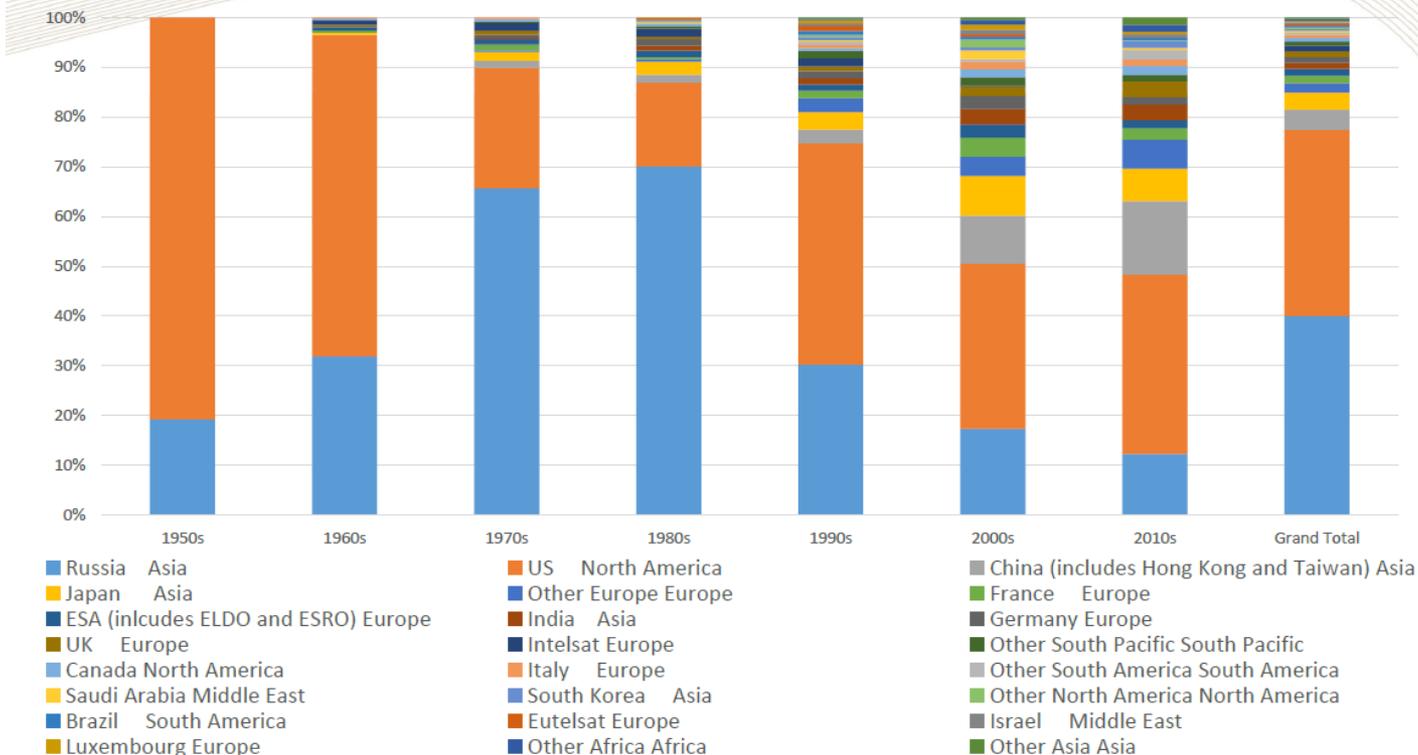
Ian Christensen  
Project Manager  
Secure World Foundation

- Secure World Foundation *is a private operating foundation* that promotes cooperative solutions for space sustainability
- **Our vision:** the secure, sustainable and peaceful use of outer space that contributes to global stability on Earth
- **Our mission:** SWF works with governments, industry, international organizations and civil society to develop and promote ideas and actions for international collaboration that achieve the secure, sustainable, and peaceful uses of outer space for the socioeconomic and environmental benefits to Earth

# Countries Operating In Space

## Number of Countries that Have Satellites

Satellites by Owner Country -1950s-today



Source: Institute for Defense Analyses, Global Trends in Civil and Commercial Space, <https://www.ida.org/idamedia/Corporate/Files/Publications/STPIPubs/2015/d5682final.ashx>

# SWF Handbook for New Actors in Space

- **Challenge:** How do we help maximize the benefits from new actors entering the space domain while minimizing potential sustainability challenges?
- **Proposal:** Create a publication that provides an overview fundamental principles, laws, norms, and best practices for safe, predictable, and responsible activities in space
  - **Two specific audiences:**
    - Countries developing space programs and/or having to oversee and regulate their first satellites
    - Universities and start-up companies that are developing/operating satellites

- At the New Cooperation Session of APRSAF-22 SWF presented the concept for the Handbook to the APRSAF community
- While developing the Handbook content we engaged in formal and informal conversation with technical and policy experts
  - Including some members of the APRSAF community
- In May 2016 SWF held a Workshop to review to draft Handbook
  - Participation included some members of the APRSAF Handbook
- Since May 2016 content has been further refined, and the Handbook is now in final stages of production

- **Chapter 1: The International Framework for Space Activities**
  - Freedom and Responsibility
  - Registration of Space Objects
  - International Frequency Management
  - Remote Sensing
  - International Standards
  - International Export Control
  - International Liability
  - Dispute Settlement
  - Environmental Issues
  - Advanced Issues

- **Chapter 2: National Space Policy and Administration**
  - Public Policy
  - Public Administration and National Oversight
  - Case Study: Remote Sensing Policy and Administration
  
- **Chapter 3: Responsible Space Operations**
  - Pre-launch
  - Launch
  - On-orbit
  - End-of-life

# Publication, Access, and Next Steps

- The Handbook will be published in the 1<sup>st</sup> Quarter of 2017
- Electronic copies will be available through the SWF website, free of charge: [www.swfound.org](http://www.swfound.org)
- Printed copies will also be available
- SWF plans to curate an electronic library of resources to accompany the Handbook



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# Thank You

[ichristensen@swfound.org](mailto:ichristensen@swfound.org)