



# COMPARING AND CONTRASTING SPACE AND CYBER GOVERNANCE

ERICA SYMONDS, UNIVERSITY OF MARYLAND SCHOOL OF PUBLIC POLICY  
CAPSTONE PROJECT

CLIENT: SECURE WORLD FOUNDATION


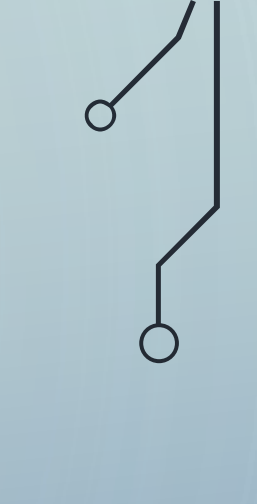
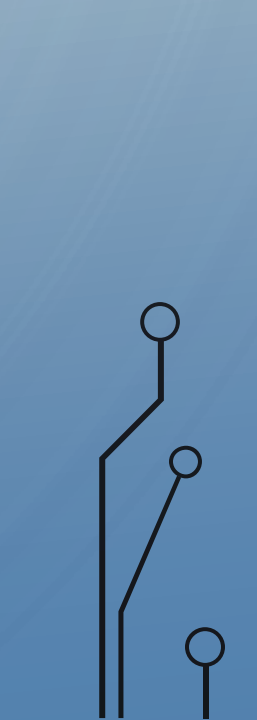
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## OBJECTIVE

- Consider how characteristics of space and cyber governance over the past decade can help inform future governance initiatives

## APPROACH

- Create frameworks for comparison
  - Research characteristics of governance initiatives
    - Multilateral forums
    - U.S. policy
  - Compare and contrast
  - Implications for future initiatives
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# FRAMEWORKS FOR COMPARISON

## Multilateral Forums

- Time Frame
- Types of Participants
- Goals/Purpose
- Notable Outcomes
- Soft vs. Hard Law
- Level of Success

## U.S. Policy

- Policy Type
- Release Date
- Drivers/Motivations
- Issues of Interest: Commercial Sector, Arms Control, Global Commons
- Overlap Between Space and Cyber

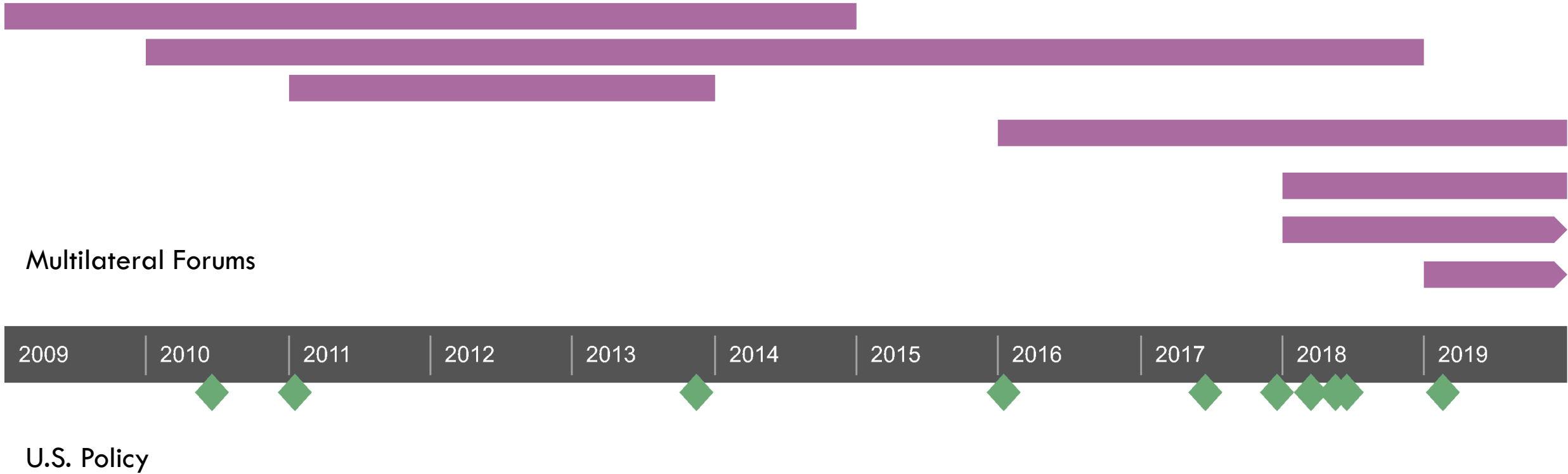
# MULTILATERAL FORUMS

- Notable difference: basis of international space law
- Soft law initiatives more common, more successful in cyber at UN
- Divisions among states
- Regional organizations: failing to promote “codes of conduct” at UN
- Experts/academics: interpreting international law

# U.S. POLICY

- Obama vs. Trump administrations
  - Obama: cyber, national strategies/policies
  - Trump: space, executive orders/directives
- Commercial sector: commonly included
- One instance of overlap between space and cyber
- Related to multilateral efforts
  - Cyber: protecting critical infrastructure
  - Space: industry, SSA/STM, Space Force/lack of norms for weapons in space

# Space Governance Timeline



# Cyber Governance Timeline



Multilateral Forums

2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019

U.S. Policy

# IMPLICATIONS FOR FUTURE GOVERNANCE INITIATIVES

- Space and cyber governance highly siloed
  - Promising: Space Information Sharing and Analysis Center (S-ISAC)
- Divisions among groups of states impeding progress globally
  - Western vs. non-Western
  - Promising: 2015 U.S.-China Cyber Agreement
- Challenges of consensus-based multilateral forums
  - Shift to regional organizations, private sector, non-governmental initiatives