

# Observations from Space: Advancing Climate Action

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WGIC**

**GWF Space Session  
22 October 2021**



# Enabling Conditions:



Open Data



Leverage the Past



Better Integration &  
Coordination



Hyper Partnering  
PPPs

Linkages to Policy Mandates



PARIS2015  
UN CLIMATE CHANGE CONFERENCE  
COP21·CMP11



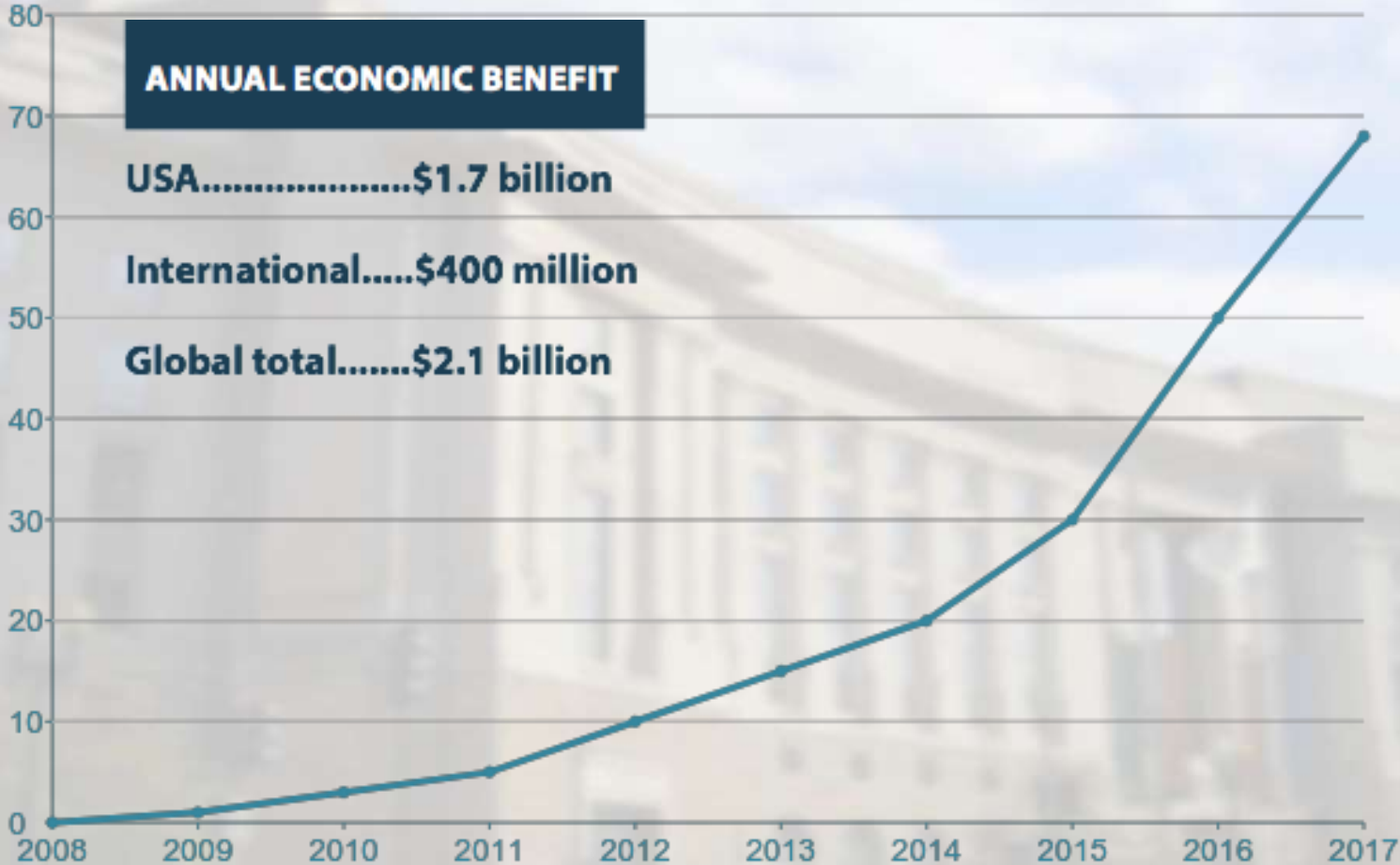
UN World Conference on  
Disaster Risk Reduction  
2015 Sendai Japan



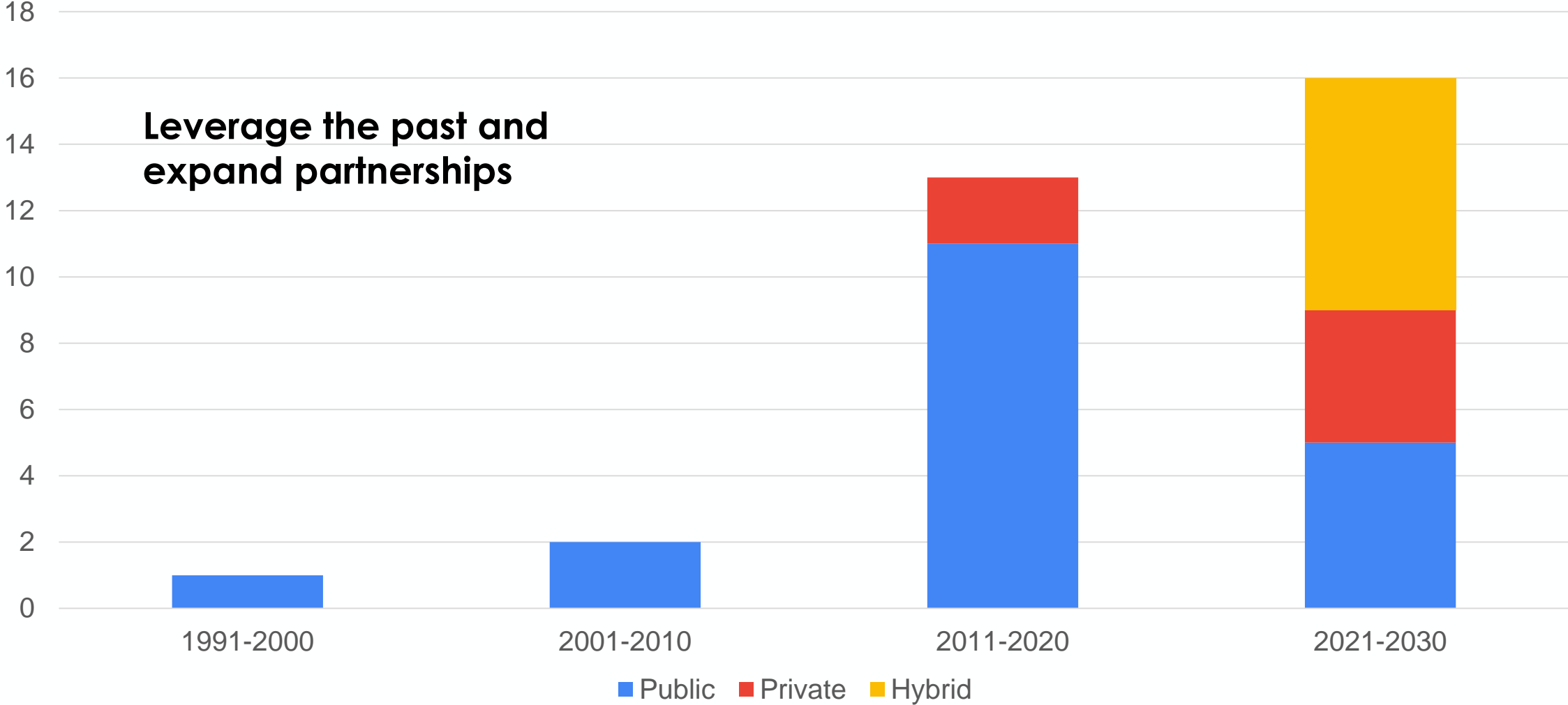
# BILLIONS OF ECONOMIC BENEFIT (USD)

Open  
Data Policy for  
Landsat:

53 to 5,700  
scenes/day

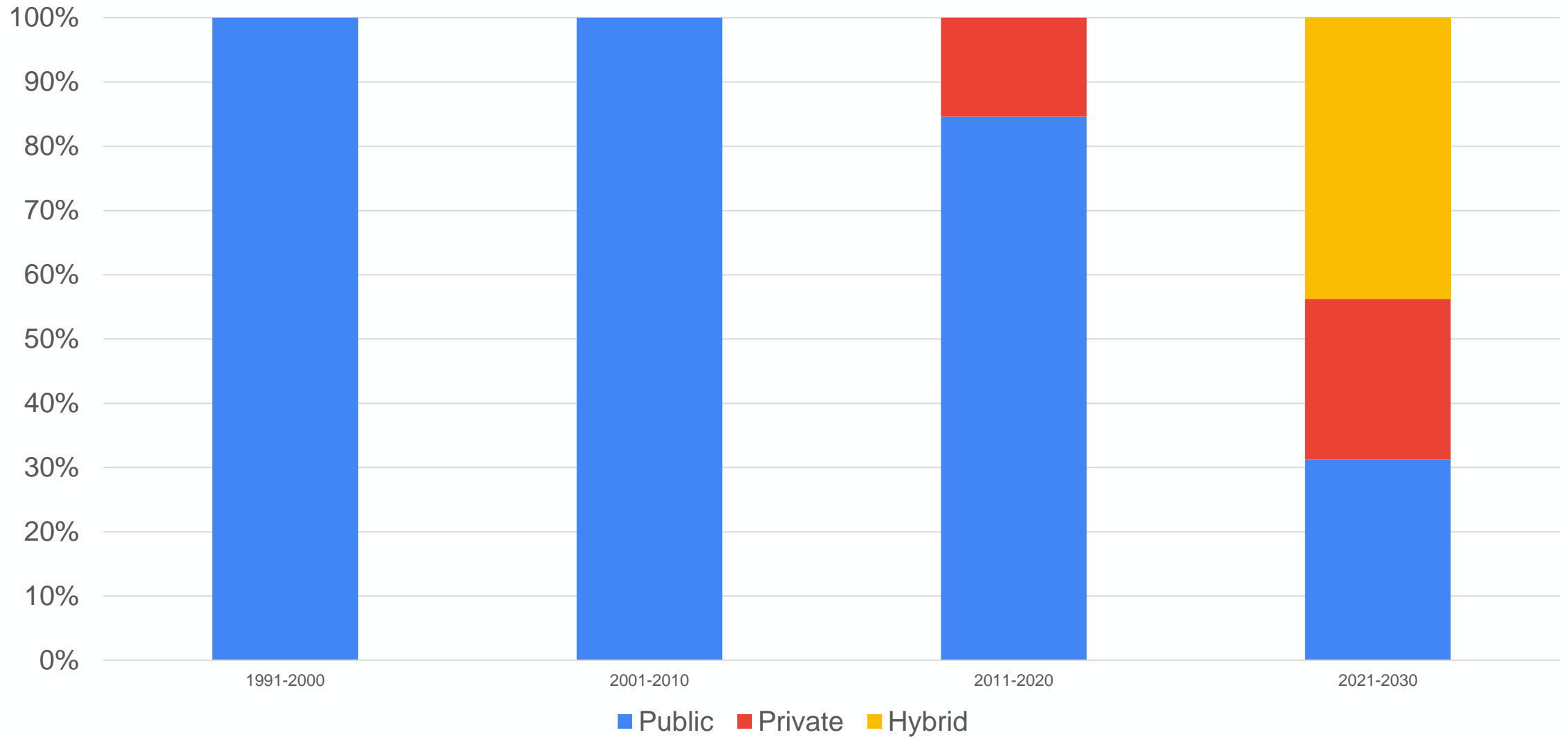


**GHG Mission Launches by Decade**  
(CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, O<sub>3</sub>)

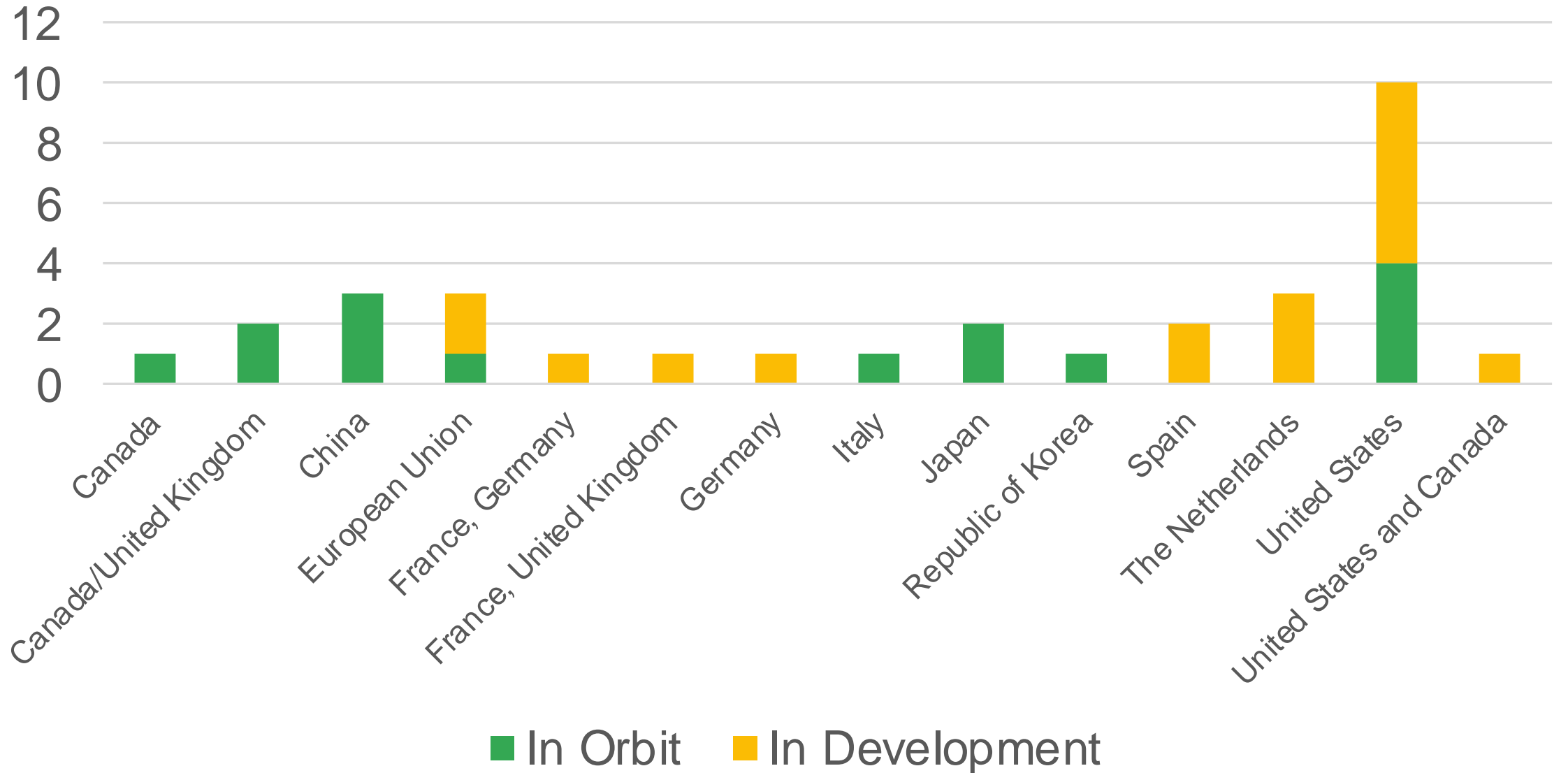


**Leverage the past and  
expand partnerships**

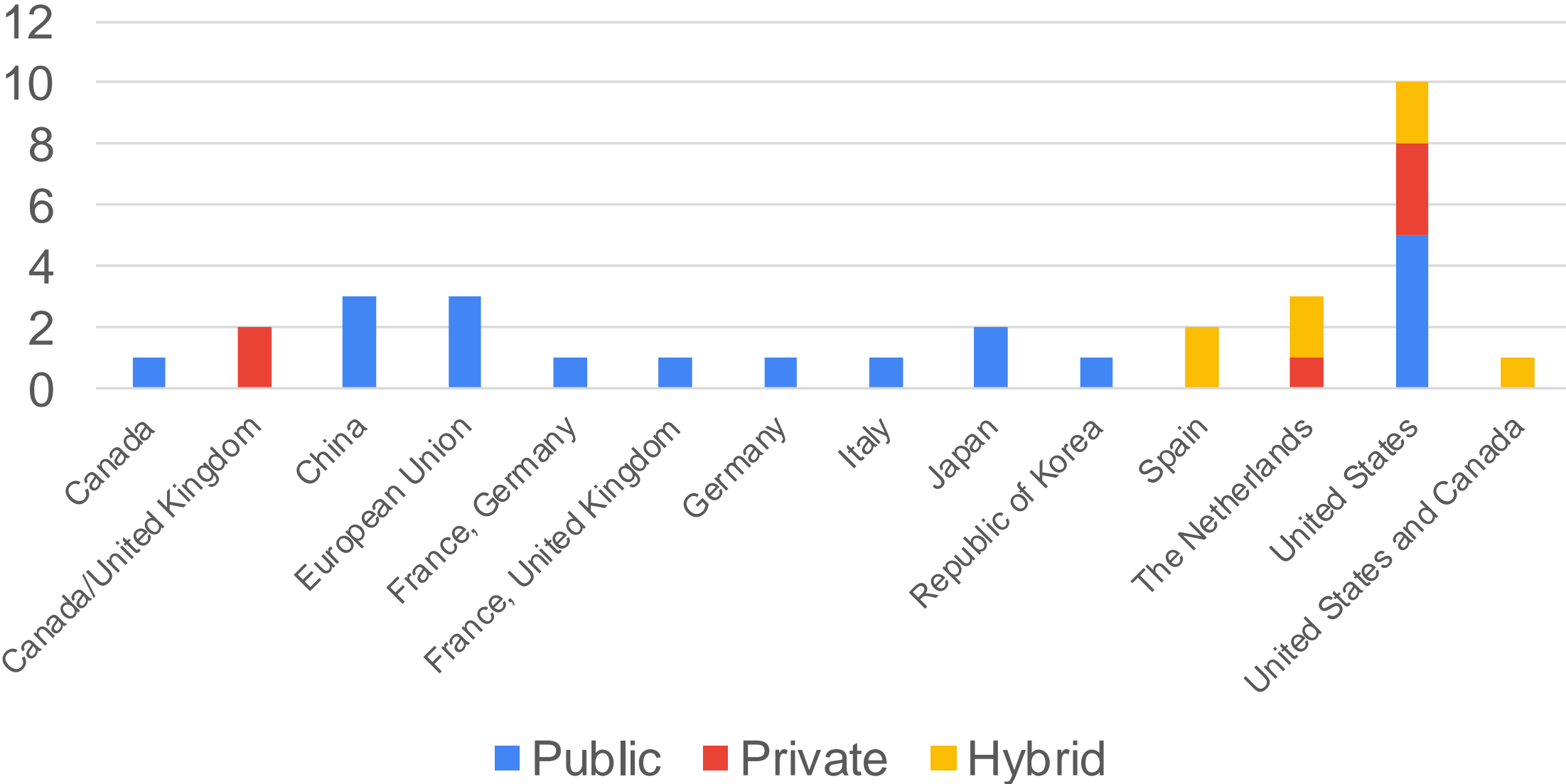
## GHG Mission Types by Decade



# Mission Status by Country



# Missions by Country



“. . . While *in situ* measurements will remain essential and largely measure what cannot be measured from satellites, **Earth-observation satellites are the only realistic means** to obtain the necessary global coverage, and with well-calibrated measurements **will become the single most important contribution to global observations for climate.**”

***Paul Mason, Chair, GCOS Steering Committee***

Report prepared in advance of COP-12, Nairobi, Kenya, 2006



the  
way  
forward

Satellite Observation  
of the Climate System

The Committee on Earth Observation Satellites  
Response to the  
Global Climate Observing System





World Geospatial Industry Council

A Global not-for-profit  
Trade Association of  
Private Sector  
Companies working in  
the geospatial  
ecosystem.

