

## **NOAA Outlook: Development of Next-Generation Geostationary and Polar Operational Environmental Satellites**

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**THEME:** NOAA presentation in connection with “Space Agency Outlook” invited technical session

**KEY WORDS:** geostationary environmental satellites, polar environmental satellites, continuity of satellite observations, satellite coordination and cooperation

### **ABSTRACT:**

NOAA is in the final stages of development of a new generation series of United States operational geostationary satellites (GOES-R series)---with the first mission scheduled to be launched in 2016, as well as the next generation of polar orbiting environmental satellite systems, the Joint Polar Satellite System (JPSS). JPSS-1 is on track for a 2017 launch and JPSS-2 is in development for a 2021 launch. Efforts are also underway to identify and obtain funding for a Polar Follow-On series of JPSS missions to provide a robust continuity beyond JPSS-2. In addition, NOAA is working toward a follow-on partnership agreement with EUMETSAT to encompass their second generation EPS polar system as well as JPSS during the JPSS-1 and JPSS-2 envisioned mission timespans.