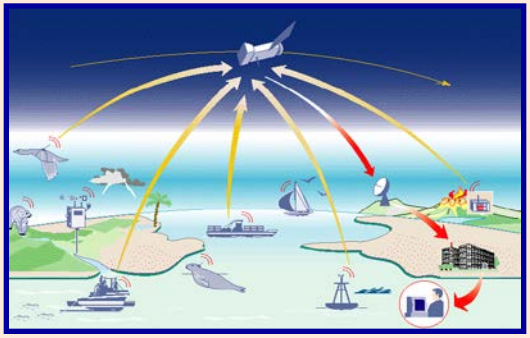
Office of Satellite and Product Operations
National Environmental Satellite, Data, and Information Service

Argos Data Collection and Location System

- Global system aboard polar-orbiting satellites, for government & non-profit applications
- Major int'l partnership: CNES (France), EUMETSAT (Europe), ISRO (India) and NOAA (USA)
- 21,000 active platforms globally; 2,000 agreements/programs; 100+ countries



Current Space Segment (2016)

Metop-A and Metop-B (EUMETSAT)
NOAA-15, NOAA-18 and NOAA-19 (NOAA)
SARAL (ISRO)

Future Space Segment (2020-2030+)

Argos-4 instruments from CNES in three distinct orbits: EUMETSAT, ISRO and NOAA

"Argos-4"

Satellites: OCEANSAT-3 (2018), CDARS (2020), Metop-SG1 (2022), Metop-SG2 (2029)

Improvements: More bandwidth, greater sensitivity (100-200 mW), expanded uplink data rate (124 bps to 4800 bps), system capacity for 50,000 platforms (as light as 2 g)

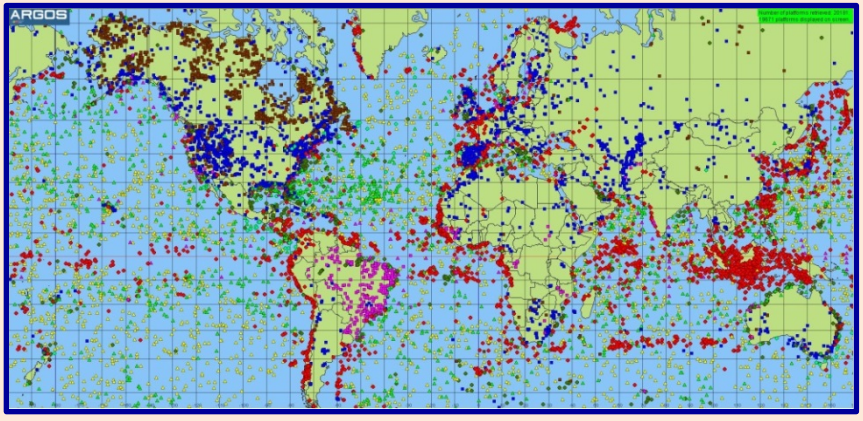
Principal Users

Countries (# of programs)

Australia (125+), Canada (125+), France (100+), Japan (125+) and USA (625+)

USA (# of programs)

NOAA (40+), U.S. Fish/Wildlife (25+), U.S. Geological Survey (15+), Woods Hole Oceanographic Institution (15+)



Major Applications / Platforms

- Wildlife & Ecology Studies:
  - Birds (blue)
  - Land Animals (brown)
  - Marine Animals (dark green diamonds)
- Meteorological & Oceanographic Data:
  - Drifting Buoys (light green triangles)
  - Fixed Stations & Moored Buoys (magenta)
  - Profiling Floats (yellow)
- Commercial Fisheries / Shipping (red)

http://noaasis.noaa.gov/ARGOS Scott.Rogerson@noaa.gov http://www.argos-system.org