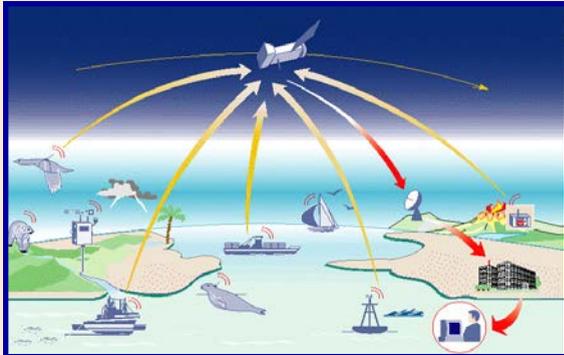




# Office of Satellite and Product Operations National Environmental Satellite, Data, and Information Service

## 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



### Future Plans

**Ground Segment:** Optimized for data timeliness

**Space Segment:** New Argos-4 Instrument with expanded bandwidth, increased receiver sensitivity, greater data throughput, and spread spectrum downlink

**Platforms:** Miniaturized Argos-3/Argos-4 Chipset: low-cost, two-way comms, and improved battery lifetime

### Current Space Segment (2015)

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

### Future Space Segment (2020-2030)

1/3 EUMETSAT, 1/3 ISRO, 1/3 NOAA



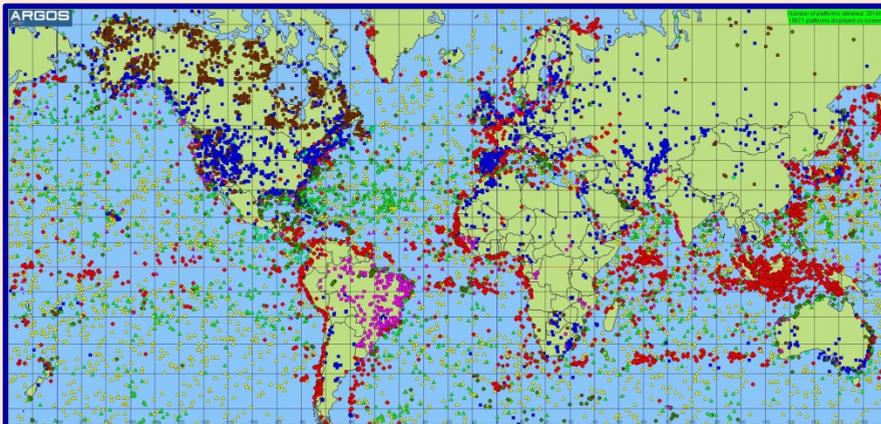
### Principal Users

#### **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)