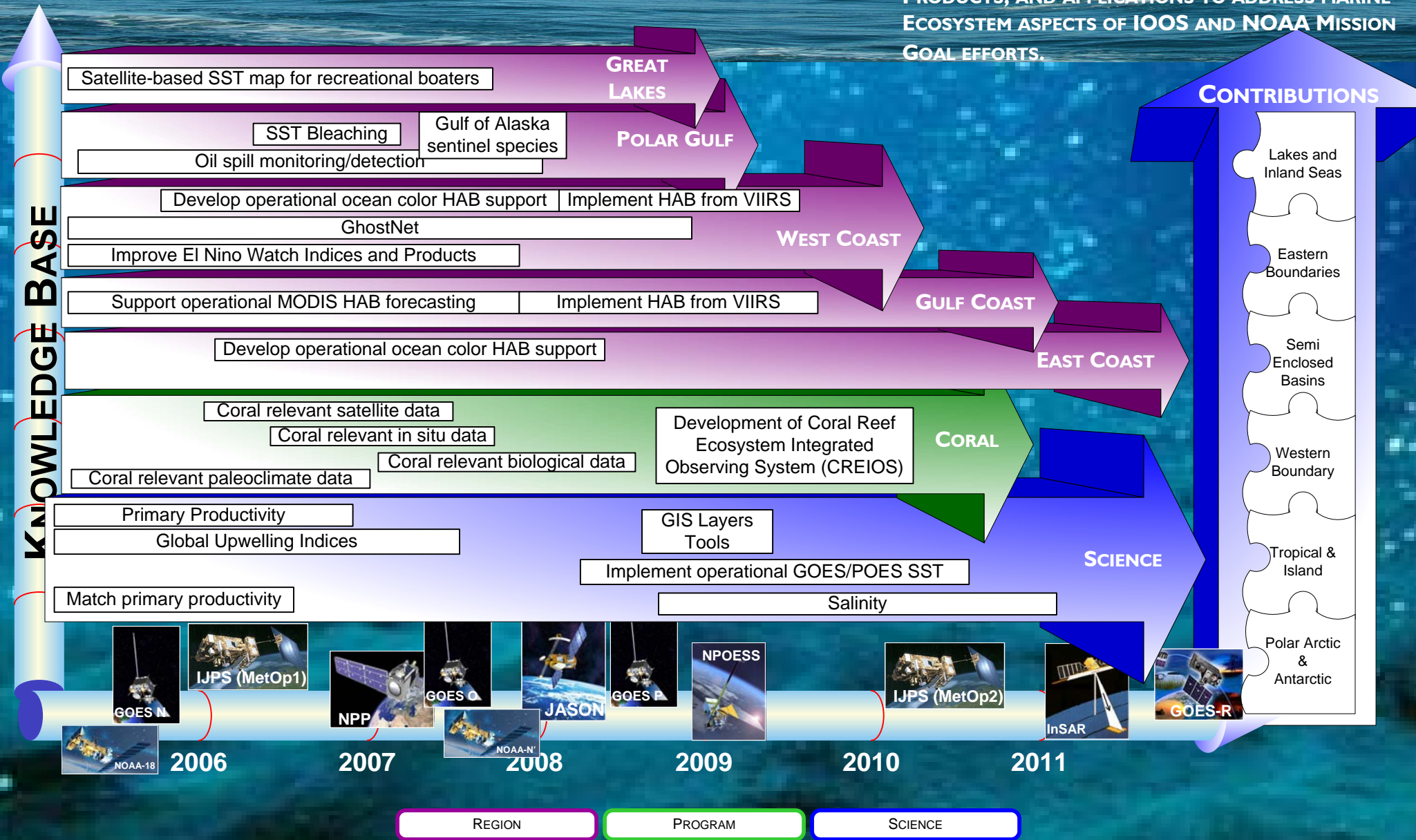
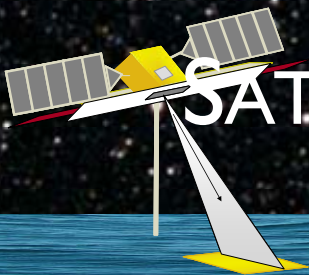


MARINE ECOSYSTEMS

PROVIDE SATELLITE OCEAN REMOTE SENSING DATA, PRODUCTS, AND APPLICATIONS TO ADDRESS MARINE ECOSYSTEM ASPECTS OF IOOS AND NOAA MISSION GOAL EFFORTS.



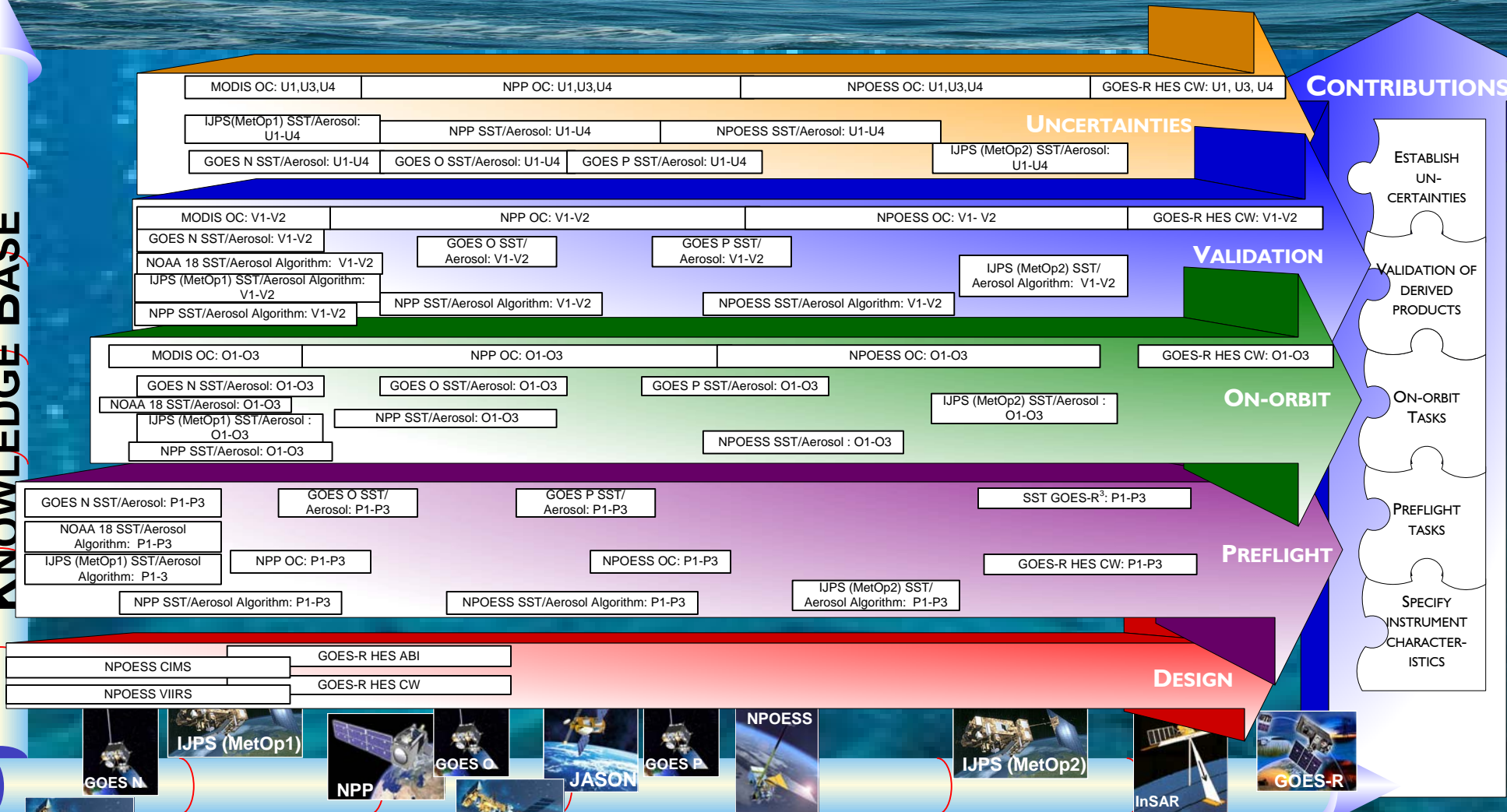


SATELLITE OCEAN SENSORS: MISSION TASKS



ESTABLISH DATA RECORD OF KNOWN QUALITY

KNOWLEDGE BASE



2006
SOCD IS PARTICIPATING IN THE DESIGN OF THE INCLUDED SATELLITE MISSIONS

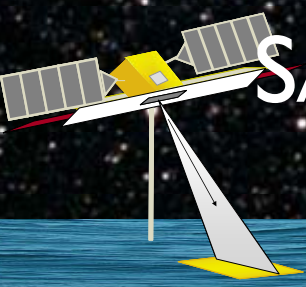
2007
PREFLIGHT TASKS
P1: INSTRUMENT CALIBRATION/ CHARACTERIZATION
P2: SET-UP/CHECK GROUND TRUTH
P3: IMPROVE VALIDATION METHODOLOGY

2009
ON-ORBIT TASKS
O1: CHARACTERIZATION
O2: VICARIOUS CALIBRATION
O3: VERIFICATION OF GEOPHYSICAL PARAMETERS

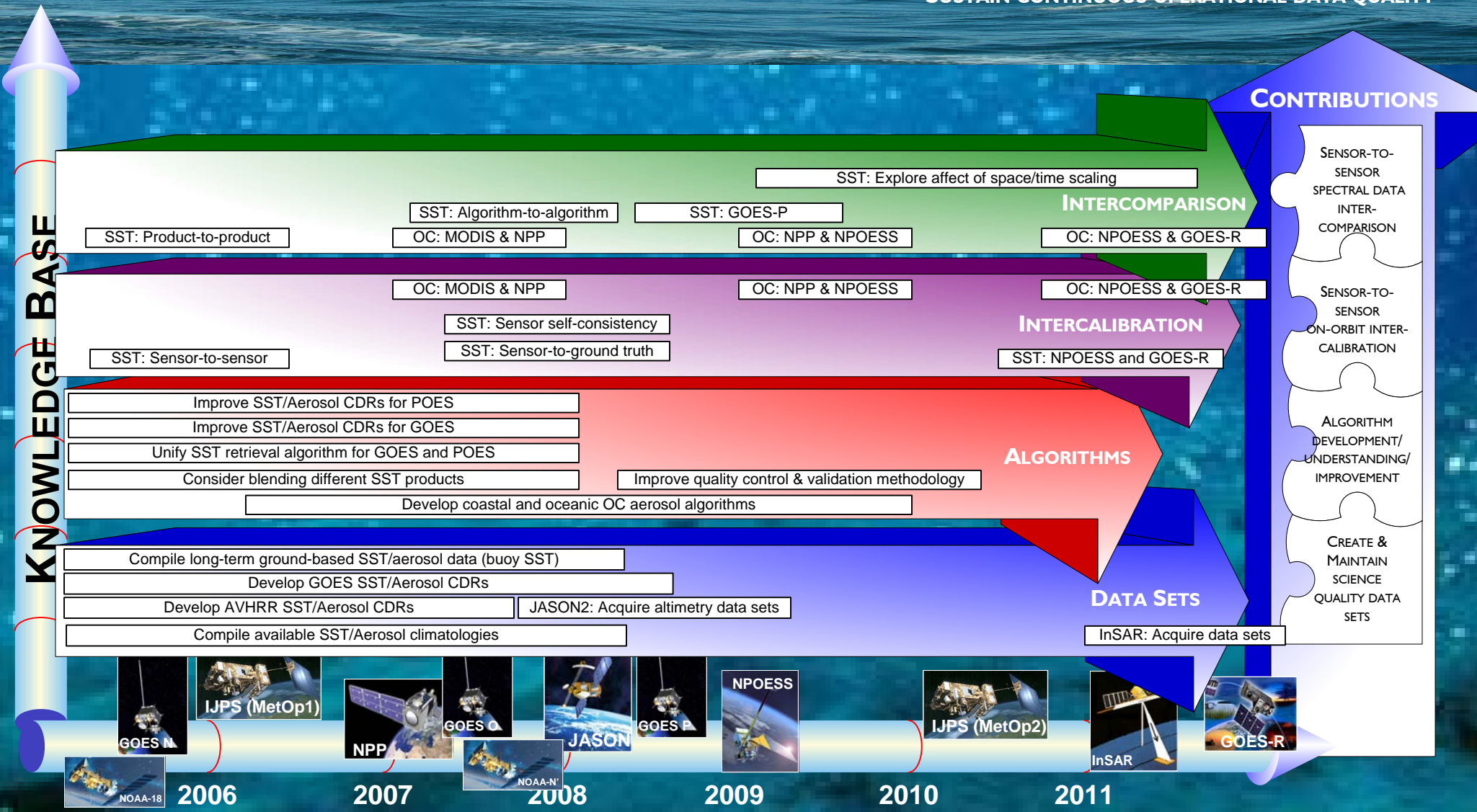
2010
VALIDATION TASKS
V1: VALIDATION AGAINST GROUND TRUTH, CREATE MATCH-UP DATABASES (GLOBAL, REGIONAL), GENERATE STATISTICS, QUALITY ASSURANCE
V2: SELF/CROSS-CONSISTENCY CHECKS

2011
UNCERTAINTIES
U1: ACCURACY/BIAS/RMS
U2: SCALE DEPENDENCE
U3: PREDICTION/LONG-TERM STABILITY
U4: CROSS-PRODUCT CONSISTENCY

SATELLITE OCEAN SENSORS: GEOSS TASKS



SUSTAIN CONTINUOUS OPERATIONAL DATA QUALITY



OCEAN DYNAMICS

DEVELOP SATELLITE OCEAN REMOTE SENSING DATA, PRODUCTS, AND APPLICATIONS TO EVALUATE AND MONITOR THE DYNAMIC AND THERMODYNAMIC STATES OF THE OCEAN.

KNOWLEDGE BASE

