



Revised

NOAA Satellite and Information Service INDEC - SCATSAT

Background:

The ISRO-NOAA Data Exchange and Cooperation (INDEC) Program is a cooperative partnership program led by the National Oceanic and Atmospheric Administration (NOAA) and the Indian Space Research Organization (ISRO). The INDEC Program is an overarching structure for all shared efforts between ISRO and NOAA.

Impact:

The ISRO-NOAA partnership is based on values of equality, reciprocity, and mutual benefit:

- Both ISRO and NOAA share the goal of optimizing the quality and maximizing the utility of the SCATSAT-1 data for the benefit of future global and regional scientific and operational applications.
- Architecture (e.g. SCATSAT-1, OCEANSAT-3, etc.)



The SCATSAT-1 Data Acquisition Project will provide a cooperative framework and preliminary operational infrastructure integrated with the NOAA Enterprise Ground Architecture, allowing integration of data from ISRO weather missions, and the sharing of ground services for cooperative operations. This pathfinder project will address the integration and sharing of NOAA and ISRO ground services to implement the acquisition of SCATSAT-1 scatterometer data via the FCDAS Ground Station, for low- latency processing and provision of ocean scatterometry products by both ISRO-affiliated organizations and NESDIS' Center for Satellite Applications and Research (STAR).

The primary purpose of the INDEC Program is for ISRO and NOAA to cooperate in the involvement of meteorological and oceanographic satellites and sharing data of mutual interest. The program provides services, data, and expertise to the other party. This cooperation enhances the capabilities of the partnership and provides timely (near real-time) earth sciences data to the international weather research and forecasting communities.

Program Details:

Through the INDEC Program, ISRO and NOAA share services, data, and expertise regarding meteorological and oceanographic satellite and data sharing missions. ISRO and NOAA expect the INDEC partnership to succeed well into the future after an extension and approval in late 2017 of the initial 2012 agreement. The renewed project framework allows for continued cooperation and follow-on projects such as the SCATSAT Project, which is currently under development.

Satellite	Measurement	Agency/ Manufacturer
SCATSAT-1	OceanSat Scatterometer	ISRO
OCEANSAT-3	OceanSat Scatterometer Ocean Color Monitor Sea Surface Temperature Monitor Advanced Data Collection System (also called "Argos-3")	ISRO

At-a-Glance

ISRO-NOAA Data Exchange and Cooperation (INDEC) Program

Mission Life: 5 years

Key NOAA Partners: ISRO and NOAA

Life Cycle Cost: \$11 Million

