

Organised by



Confederation of Indian Industry

In Association with



BENGALURU Space Expo 2012

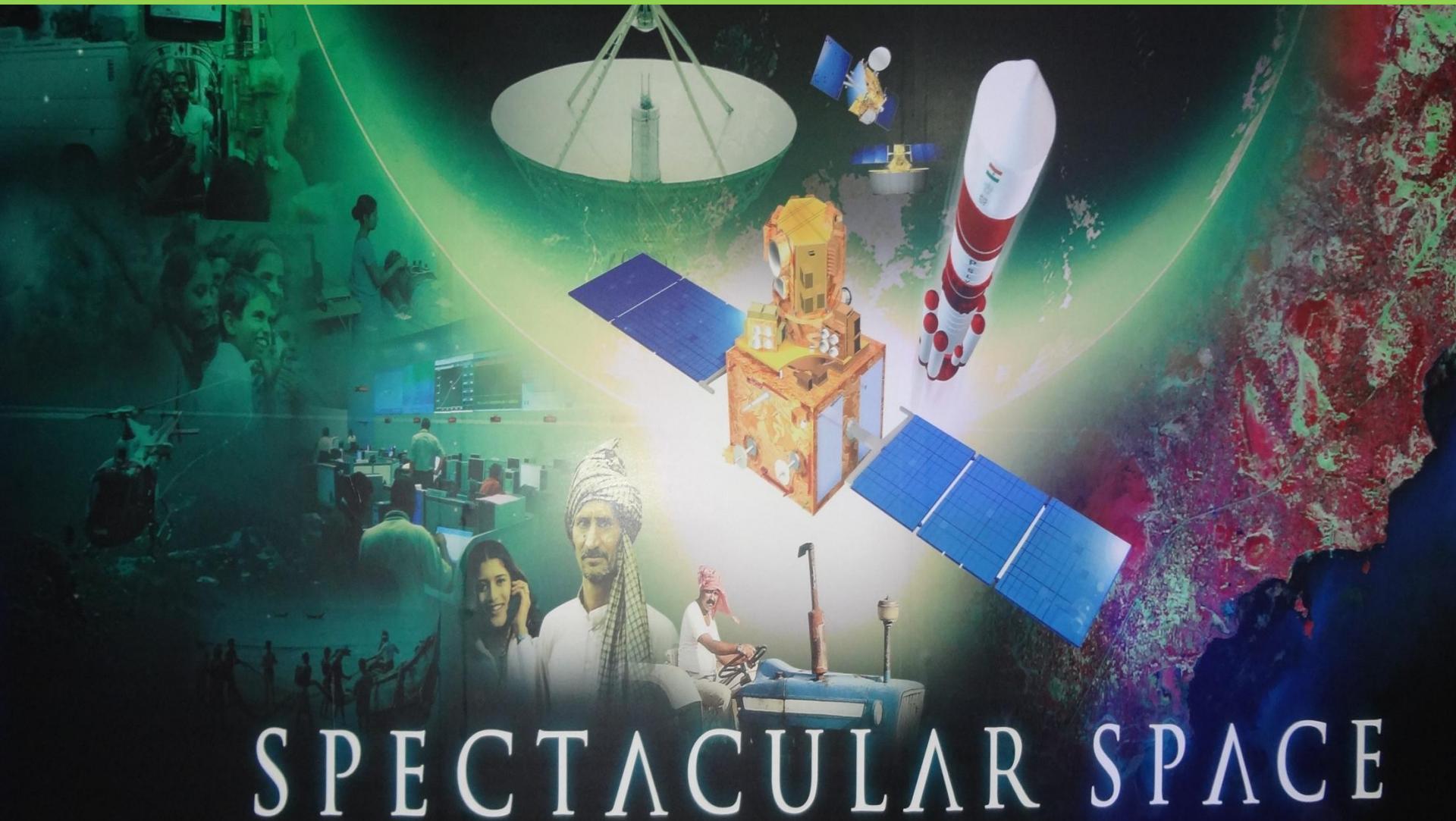
12th - 15th Sept. 2012

Bangalore
International
Exhibition
Centre
(BIEC)
Tumkur Road,
Bengaluru,
Karnataka (India)

www.bsxiindia.com

BENGALURU SPACE EXPO 2012





SPECTACULAR SPACE

A Journey of 50 years...

Indian Space Research Organisation

VSSC, ISAC, SDSC SHAR, LPSC, SAC, NRSC, ISTRAC, MCF, IISU, LEOS, DECU, RRSC, IIST, IIRS, PRL, NARL, NE-SAC, SCL, ANTRIX CORPORATION

HALL 1

Hall 1
Hall 2
Hall 3
Hall 4
FC SP







RISAT-1 Quick Look
Display System
from SAC





SPACE APPLICATIONS CENTRE (SAC)

ANTENNA SYSTEMS

MICROSTRIP MASTLARD BROADBAND UHF C & S BAND

CRAFT-4000 DUAL CHANNEL PREDATOR ANTENNA

INDIAN SPACE RESEARCH ORGANISATION

www.ansatix.gov.in

SPACE APPLICATIONS CENTRE (SAC)

SEA LEVEL RISE

Evidence and impacts of sea level rise

- Sea level rises due to thermal expansion, melting of ice sheets, sea level rise and precipitation.
- The Intergovernmental Panel on Climate Change (IPCC) projected sea level rise by the end of the 21st century will be 0-50 cm.
- Low lying areas, increasing flooding of low-lying coastal areas, especially heavily populated areas, loss of land, coastal islands and population displacement. Increasingly unsuitable areas and loss of vital habitats such as mangroves, coral reefs, etc.

Vulnerability mapping and impact assessment

Spatial and multi-sensor (GEO) satellite data are used to identify vulnerable locations, landforms and climate changes in the coastal zones, coastal processes, coastal transport.

- Scenarios of sea level rise are simulated and consequent vulnerabilities are assessed in vulnerable areas.
- Identifying trends in future effective measures for protecting the people.

INDIA'S CONTRIBUTION TO CLIMATE CHANGE

www.ansatix.gov.in

SPACE APPLICATIONS CENTRE (SAC)

AIRBORNE TERRAIN MAPPING CAMERA

MINIATURE HIGH RESOLUTION CAMERA

Panchromatic and Multi-spectral

HySi

HYPERSPECTRAL SENSORS

MOSDAC

Meteorological and Oceanographic Satellite Data Archival Centre

www.ansatix.gov.in

SPACE APPLICATIONS CENTRE (SAC)

AIRBORNE TERRAIN MAPPING CAMERA

MINIATURE HIGH RESOLUTION CAMERA

Panchromatic and Multi-spectral

HySi

HYPERSPECTRAL SENSORS

MOSDAC

Meteorological and Oceanographic Satellite Data Archival Centre

www.ansatix.gov.in

SPACE APPLICATIONS CENTRE (SAC)

AIRBORNE TERRAIN MAPPING CAMERA

MINIATURE HIGH RESOLUTION CAMERA

Panchromatic and Multi-spectral

HySi

HYPERSPECTRAL SENSORS

MOSDAC

Meteorological and Oceanographic Satellite Data Archival Centre

www.ansatix.gov.in

SAC – Industry interaction



B-8

DATA PATTERNS INDIA PVT LTD

The World's Premier Measurement
Instrumentation Company



through a series of INSAT satellites.

It is developed keeping its primary use for communication during disaster when other means are not available. The unit works from any location in the INSAT MSS Type D network operates in the Assigned Multiple Access (DAMA) mode of operation, where a pair of satellite channels to a terminal are assigned on hub on demand basis.

SYSTEM FEATURES

Battery Operated

-

Talk Time (4 hrs)

-

Standby Time (24 hrs)

-

Connectivity

-

Terminal to Terminal

-

Termed to PSTN

-

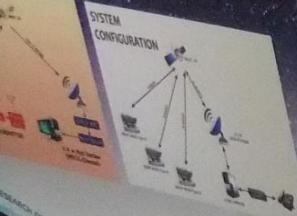
PSTN to Terminal

-

Transmission Protocol

-

DAMA for satellite channel access



SEARCH ORGANISATIONS
ASTRIX CORPORATION LIMITED

