Recent Indian Space Missions



Dr M Annadurai, Director, ISRO Satellite Centre

Indian Space Research Organisation Department of Space Government of India

54th session of STSC Vienna







ISRO missions in last one year

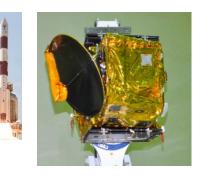
- Jan 20: PSLV C31/IRNSS 1E
- Mar 11: PSLV C32/IRNSS 1F
- Apr 28: PSLV C33/IRNSS 1G
- Jun 22: PSLV C34/ Cartosat 2Series +...

Sep 08: GSLV F05/INSAT 3DR

Sep 26: PSLV C35/ SCATSat-1 +..

Dec 07: PSLV C36/ Resourcesat 2A









Oct 06: **GSAT-18**

4 Student satellites 22 Satellites of 5 Nations





Technology Demonstration Experiments





Aug 28: SCRAMJET

May 23: **RLV – TD**

20 Satellites

2 orbits

One mission





LAPAN-A3 Indonesia (Earth Observation)

BIROS Germany (RS of High Temperature events)

M3MSAT Canada (Study AIS signals from LEO)

SKYSAT-Gen2-1 USA (Sub-meter resolution EO)

GHGSAT-D Canada (Atm. GHG measurement)



DOVE (12 Sats.) USA (Earth Observation)

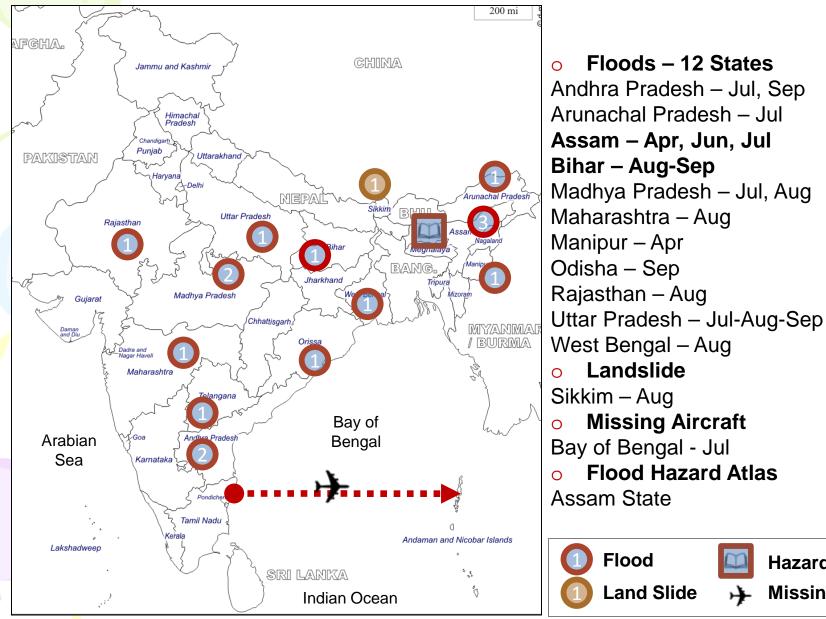


SATYABAMASAT Satyabama Uni. (GHG data collection)



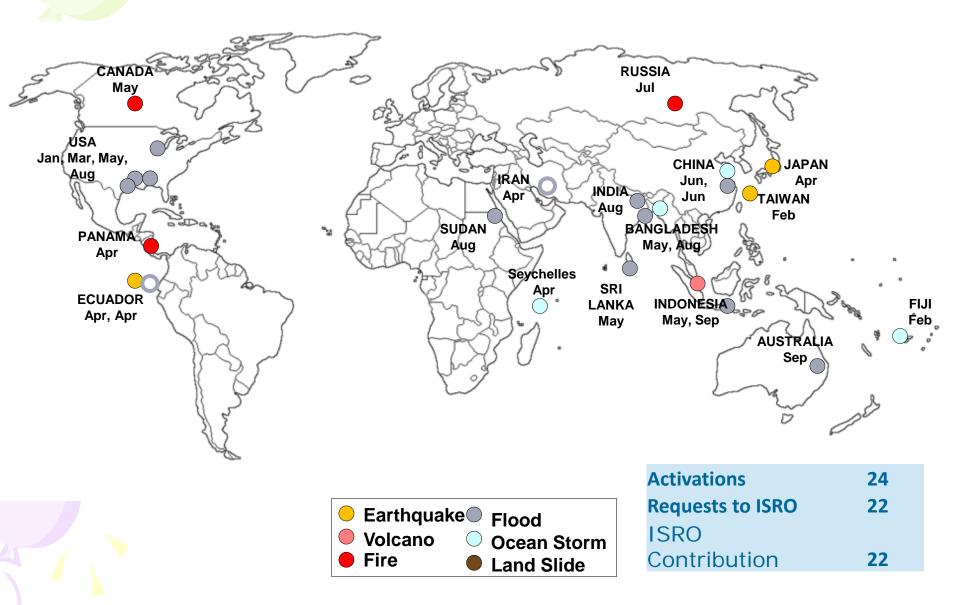
SWAYAM College of Engineering, Pune (point to point messaging for HAM)

Support to Manage Disasters in India - 2016



Hazard Atlas Missing Aircraft

Support to International Charter in 2016









International Space Events in India





UPCOMING MISSIONS

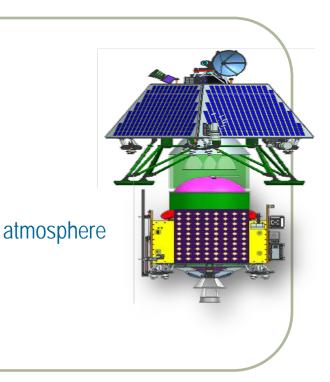
Cartosat -2 Series Mission GSAT-17 PAN with 0.63m & MX with 2.0m Communication satellite with 39 Transponders LVM Nanosatellites (10 Kg) GSAT-19 2 Nos as Co passengers for Payload for GSLV-MKIII D1 S R N Cartosat 2 Series D Flight (5Gbps) 0 भा **GSAT-9 GSAT-11** Ku band High Throughput Satellite - 10 **Communication services** Gbps capacity GSLV MK III

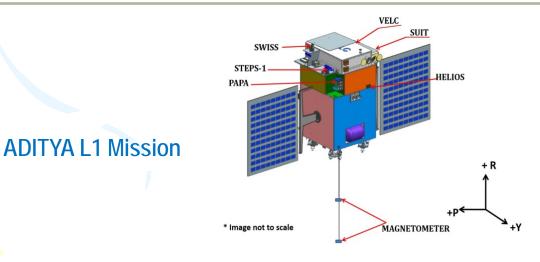
UPCOMING MISSIONS

Chandrayaan-2 Mission Indigenous Lunar Lander & Rover

Orbiter Payloads: CLASS, SAR, IIRS, Chace-2 & TMC

Lander Payloads: Rover with LIBS & APXS Radio Anatomy of Moon bound Hypersensitive Tonosphere & a Lunar Electrostatic & Dust Levitation Experiment Chandra's surface thermal experiment MEMS based Seismometer





Deployed view

The Road Ahead.....

