



## Indian Space Research Organisation

- Earth Observation Satellites since 1988 IRS Series of satellites WiFS, AWiFS, LISS, Resourcesat, Cartosat, RiSAT + Small Satellites
- Communication, INSAT series, Navigation- GAGAN, IRNSS
- Meteorological Satellites: Meghatropiques, Kalpana
- Moon Mission
- Mars Mission
- Develop, Design, Fabricate, Launch, Control and dissemination of data



- Long-term programme to provide data
- Currently has highest number of EO satellite operating
- AWiFS, LISS III, CARTO DEM (Indian Region)
- OCM Geophysical products (Global)
- Web Service access of thematic data, disaster eventbased data inventory
- Project specific portals for various application including Disaster Management

## About IIRS

- The basic mandate was to train in-service officials and resource managers in interpretation of Aerial Photos for mapping and natural resource management with four divisions and now it has 8 departments.
- In its journey of 46 years, est. 1966 as Indian Photointerpretation Institute (IPI) - it became part of National Remote Sensing Agency in 1976 and in April 2010 it became an independent unit of ISRO.
- During this period it has undergone several changes, imbibed the latest technological developments and transfer to users, kept pace with the technology development and user requirements.
- Emerged as the leader in imparting training in RS and GIS in the world, particularly Asia Pacific Region

About IIRS
<ul> <li>Training and education programmes:</li> <li>Master's Programme : M. Tech./M. Sc.</li> <li>Post Graduate Courses</li> <li>Certificate</li> <li>Specialized Courses – On demand</li> </ul>
<ul> <li>Research programmes</li> <li>All major fields of resource management and disaster mgmt</li> </ul>
Outreach programmes – Distant Education programme through EDUSAT, 84 universities spread across the country have also benefited through EDUSAT
<ul> <li>Faculty 65 faculty members - expertise under one umbrella in almost all disciplines.</li> </ul>





- Trained more than 8884 so far, including **852** professionals from abroad representing **91** countries mainly from the Asia, Africa and South America.
- Research is one of the most important agenda of the institute and several significant research project, user projects at local, national and international level have been accomplished.

SAARC Disaster Management Centre, Delhi BIMSTEC countries UN Office on Drugs and Crime, Afghanistan PA Managers from Bangladesh GISTDA, Thailand International Organization of Migration, Sudan



## Centre for Space Science and Technology Education in Asia and the Pacific



§ UN General Assembly endorsed on Dec 1, 1990 the recommendation of UN Committee on Peaceful Uses of Outer Space (UNCOPUOS) that

"... effort to establish Regional Centres for Space Science and Technology Education in existing national/ regional educational institutions in the developing countries"

- Agreement to establish CSSTEAP signed by 10 countries on Nov 1, 1995 at New Delhi. Six more countries have joined subsequently.
- Governing Board of 16 member countries + UN + ITC (Netherlands)





IEAST ASIA1China2Hong Kong3Japan4Korea, DPR5Rep. of Korea6Macao7Mongolia3Taiwan Province6Macao7Mongolia3Taiwan Province6Macao7Mongolia3Taiwan Province6Macao7Mongolia3Taiwan Province6Macao7Mongolia7Statash7Statash7Statash7Y8Taiwan Province1SOUTH-EAST ASIA9Brunei10Cambodia11Indonesia12Lao PDR13Malaysia14W CENTRAL ASIA15Philippines16Singapore17Thailand18Vietnam19Pitilistian11Indonesia12Lao PDR13Malaysia14Uzbekistan15Philippines16Singapore17Thailand18Vietnam19Vietnam10Cambodia19Vietnam10Cambodia11Indonesia12Lipokistan13Turkmenistan14Uzbekistan15Philippines16 <t< th=""><th>EAST ASIA       III SOUTH ASIA         China       19. Afghanistan         Hong Kong       Japan         Japan       20. Bangladesh         Image: Source of Korea       11. Bhutan         Macao       21. Bhutan         Macao       23. Islamic Rep. of Iran         Mongolia       24. Maldives         Taiwan Province of China       25. Nepal         SOUTH-EAST ASIA       19. CENTRAL ASIA         Brunei       11. CENTRAL ASIA         Brunei       12. Azerbaijan         J. Malaysia       31. Kyrgyzstan         Malaysia       33. Turkmenistan         Malaysia       34. Uzbekistan         J. Thailand       Vietnam</th><th>OPENDING BOARD         9       Representative from Member Countries         10       NU-OOSA &amp; ITC are Observers         OPENDENCONDUTTEE         9       Maired by UN-OOSA         9       Subject matter experts of Satellite         10       Communication, Satellite Meteorology &amp;         10       Subject matter experts of Satellite         10       Climate, Space &amp; Atmospheric         10       Climate, Space &amp; Atmospheric         10       Imate: Space &amp; Atmospheric         11       Imate: Space &amp; Atmospheric         12       Imate: Space &amp; Atmospheric         13       Imate: Space &amp; Atmospheric         14       Imate: Space &amp; Atmospheric</th></t<>	EAST ASIA       III SOUTH ASIA         China       19. Afghanistan         Hong Kong       Japan         Japan       20. Bangladesh         Image: Source of Korea       11. Bhutan         Macao       21. Bhutan         Macao       23. Islamic Rep. of Iran         Mongolia       24. Maldives         Taiwan Province of China       25. Nepal         SOUTH-EAST ASIA       19. CENTRAL ASIA         Brunei       11. CENTRAL ASIA         Brunei       12. Azerbaijan         J. Malaysia       31. Kyrgyzstan         Malaysia       33. Turkmenistan         Malaysia       34. Uzbekistan         J. Thailand       Vietnam	OPENDING BOARD         9       Representative from Member Countries         10       NU-OOSA & ITC are Observers         OPENDENCONDUTTEE         9       Maired by UN-OOSA         9       Subject matter experts of Satellite         10       Communication, Satellite Meteorology &         10       Subject matter experts of Satellite         10       Climate, Space & Atmospheric         10       Climate, Space & Atmospheric         10       Imate: Space & Atmospheric         11       Imate: Space & Atmospheric         12       Imate: Space & Atmospheric         13       Imate: Space & Atmospheric         14       Imate: Space & Atmospheric





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