GROUP 2 DISCUSSION

Remote Sensing Data User Group

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CURRENT STATUS OF REMOTE SENSING USING “LEAN SATELLITES”

Remote sensing is still at an **early application** stage in the nano-satellite area. The early stage leaves a number of desired developments to have the minimum performance for miniaturized remote sensing. This situation is condensed into a number of **questions and answers**.

CURRENT STATUS OF REMOTE SENSING USING “LEAN SATELLITES”

To meet global **real-time data collection**, distribution at a surprisingly **cost-effective price** is a solution to the problems faced by commercial companies that collect or distribute data across a **wide geographic area** from or to their customers.

WHAT ARE THE CHALLENGES?

1. **HARDWARE (HIGH RESOLUTION CAMERA)**

→ Size/Dimension Constraints → Use the existing commercial-of-the-shelf (COTS)

2. SOFTWARE AND DATA/IMAGE PROCESSING

Good image processing → Methodology/Approaches in Correcting images/datasets (Algorithms/Programming)

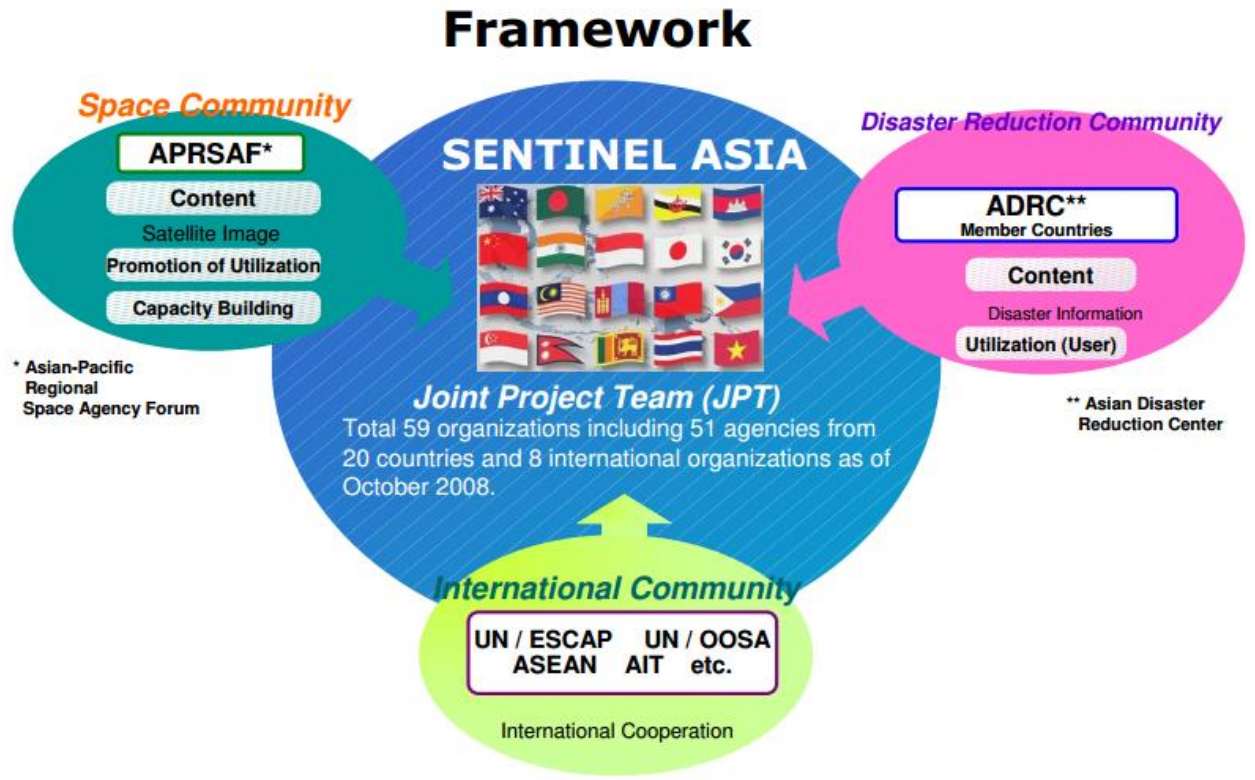
→ Collaboration between students/universities/researchers (as theses and dissertation topics)

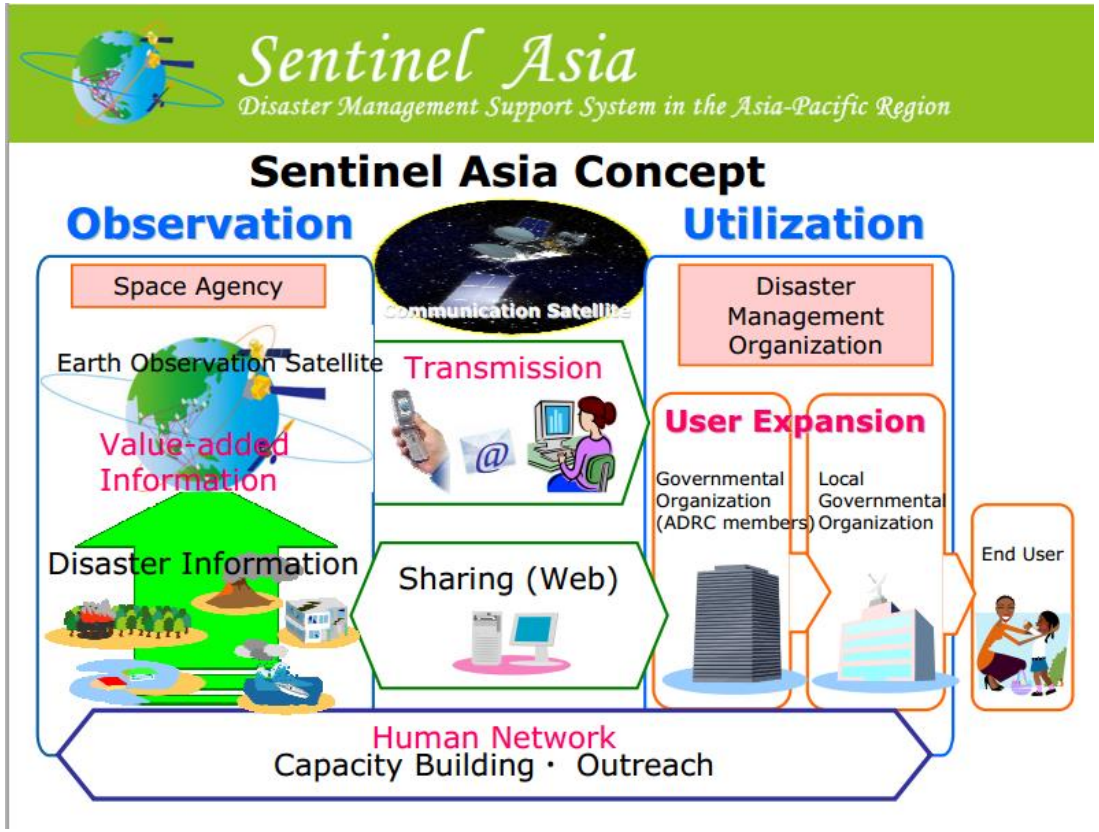
3. GEOSPATIAL DATA INFRASTRUCTURE (DATABASE)

availability of datasets to users

→ An organization or Centre to regulate and disseminate information

ADAPTING THE “SENTINEL ASIA” CONCEPT TO “LEAN SATELLITE”





THANK YOU FOR YOUR ATTENTION!

- GROUP 2: REMOTE SENSING DATA USER