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(Expected) Major research fields

- Calibration and Validation of Each Sensor and Related Basic Studies
- Land Use and Land Cover Change
- Topography and Geology
- Terrestrial (Vegetation) Ecosystem , Agriculture and Forestry
- Climatic System, Hydrological Processes, and Water Resources
- Oceanography and Coastal Zone Related Research
- Disaster monitoring
- Resource Exploration
- Basic Studies on;
 - scattering and Interferometric characteristics
 - development of higher resolution optical sensors
 - very large size data handling



























Simultaneous observation of SAR and optical sensors



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"Core" data products Global high-resolution DEM and ortho-image (PRISM, AVNIR-2, and PALSAR): Exploring possibility of establishing "Global DEM consortium" on voluntary basis Global biomass density dataset (PALSAR and AVNIR-2): Land surface deformation dataset (Earthquake-prone areas only): Algorithm development and data production by EORC with collaboration with other research

organizations.

Strategies for research promotion

- Distributing data for research
 - Simulated image data, Raw image data + basic software
 - Derived "core" datasets
- Research announcement
 - Recruiting core scientists
- Promoting to form user forum or community
 Hazard monitoring, DEM, Vegetation monitoring etc.
- Joint research programs with NASDA
 - For larger-scale experiments for operational uses
- Basic research by EORC
 - For the core data products
 - For calibration/validation
- Collaboration with the "Data Node" organizations

1st.Research Announcement

- Submission due: Feb.2000
- More than 200 applications.
- Diversified research fields
 - But, mainly from public research organizations/universities
- Approximately 150 proposals are accepted.



















Simulated PRSM image and derived DEM



Simulation image of PRISM (nadir, 2.5m resolution)



DEM generated from simulation images



