

ice and terrain. When collecting ice imagery, the image data are processed and radio down-linked in real-time to a surface operation base. INTERA developed STAR-VUE, a custom system to receive, store and manage STAR-1 data for tactical operation.

Recent innovations and applications of radar imagery include an operational topographic mapping capability and production of digital terrain models. INTERA is currently producing digital mosaics from STAR-1 data. Applications of the data include geologic mapping, forest change detection and land-cover mapping in addition to ice surveillance.

INTERA has configured and applied various other sensors in airborne platforms including thermal scanners, laser profiling systems, radar altimeters and photographic systems.

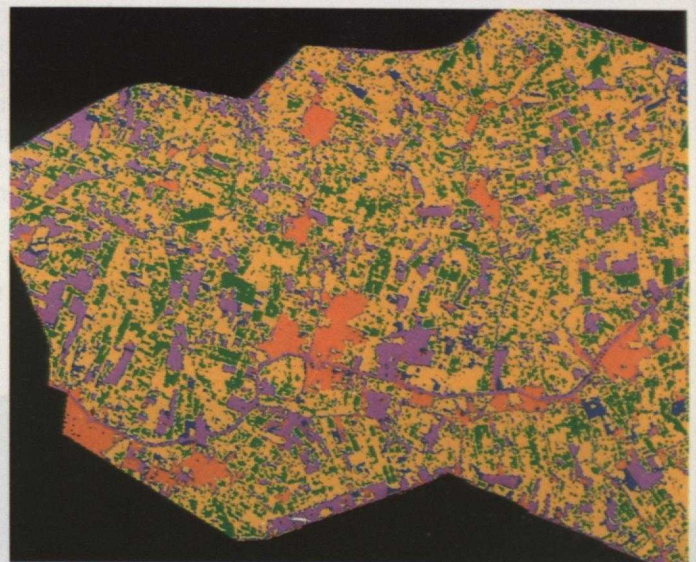
INTERA's scientists and consulting staff are researchers, system managers, image analysts and programmers, who develop, evaluate, operate and maintain various digital image analysis systems (STAR-VUE, RIDS, CIAS, LDIAS, ARIES, PERCEPTON). These systems are used extensively by government and non-government agencies for applications of remote sensing data which include LANDSAT TM and MSS, SPOT, SEASAT, airborne SAR, airborne MSS and MEIS. INTERA staff have used these systems for more than 12 years for research and applications projects and to train national and international scientists. Company staff also evaluate new remote sensing data sources as they become available (i.e., MEIS, FLI, SAR) by participating in field and data acquisition programs, developing applications and methodologies.



INTERA'S STAR System is a breakthrough in radar technology, uniting a lightweight, digital synthetic aperture radar (SAR) and a high-performance, fuel-efficient turboprop aircraft. The system combines all-weather capability with the advantages of real-time data processing, hard copy output and wide swath.

Joint ventures. The company is experienced in establishing joint venture arrangements with other organizations worldwide. INTERA's depth and breadth in remote sensing technology allows the company to offer a full range of services, data integration capability, and flexibility in responding to a client's requirements.

Training. Remote sensing courses, workshops and training are offered by INTERA professionals to national and international agencies.



LANDSAT TM imagery used for land use inventory, agricultural monitoring and change detection in the Nile Delta of Egypt in areas of valuable and limited agricultural lands. Orange shows urban; purple, wet fields/canals; blue, infrastructure/fields; yellow, crops (berseem); green, crops (wheat).