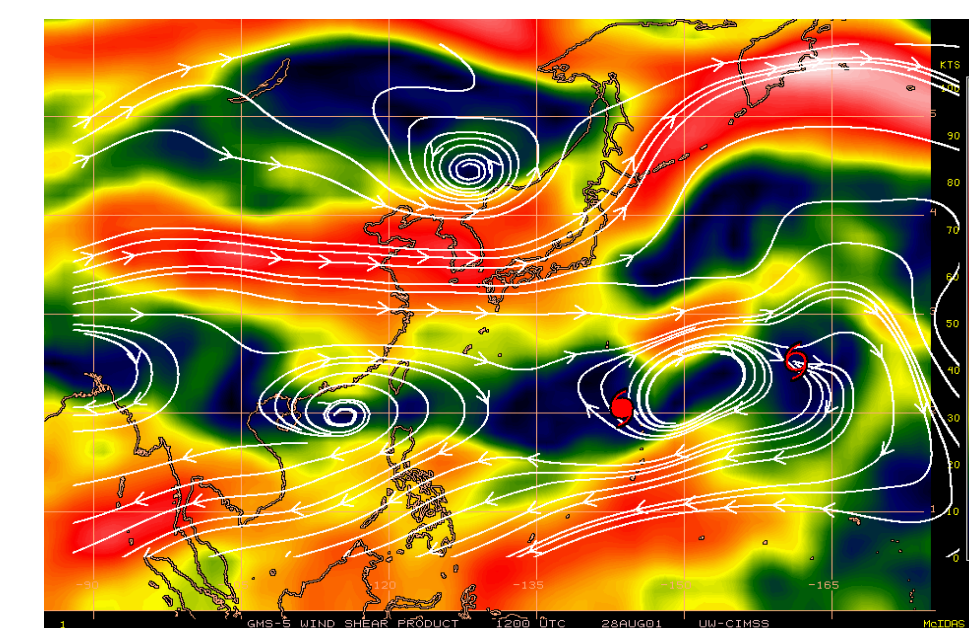
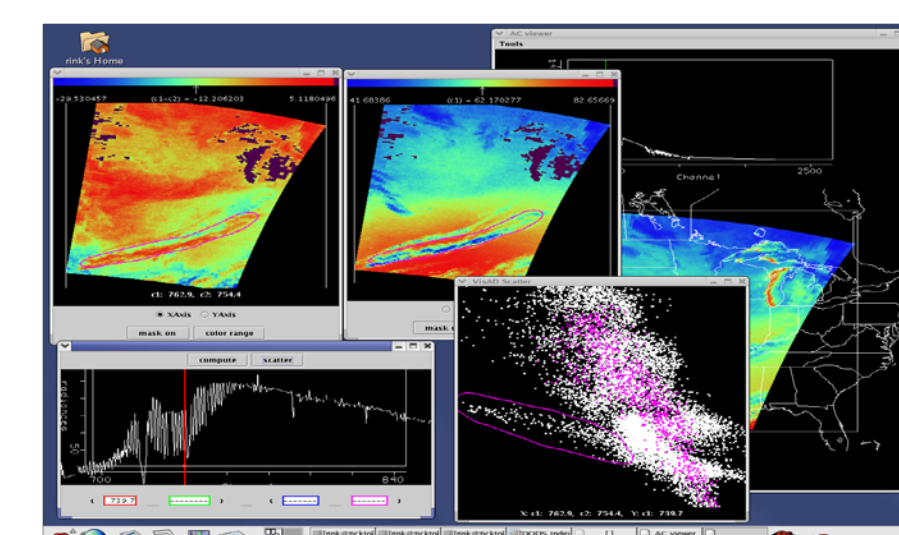


### Ways Forward

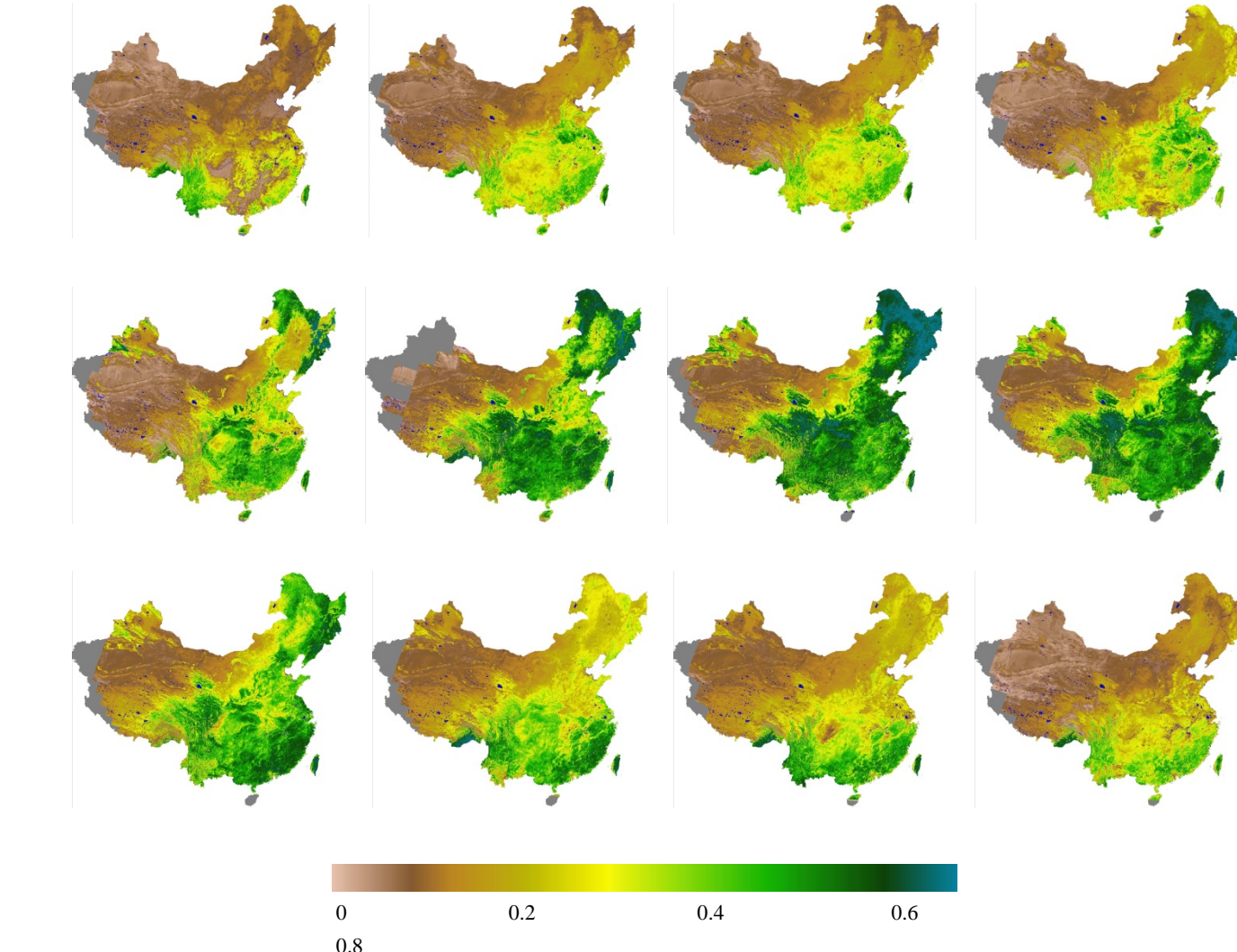
SSEC/CIMSS along with NASA and NOAA partners are devoted to continuing to host training workshops tailored for the international DB community as part of an ongoing effort to maintain and expand the use of the International MODIS/AIRS Processing Package (IMAPP), and in preparation for the development of the polar orbiting satellite processing package for the NPP and JPSS.

### DB Training Workshop conducted in 2011

30 May to 3 June 2011  
East China Normal University, Shanghai, China (<http://cimss.ssec.wisc.edu/dbs/China2011/>)

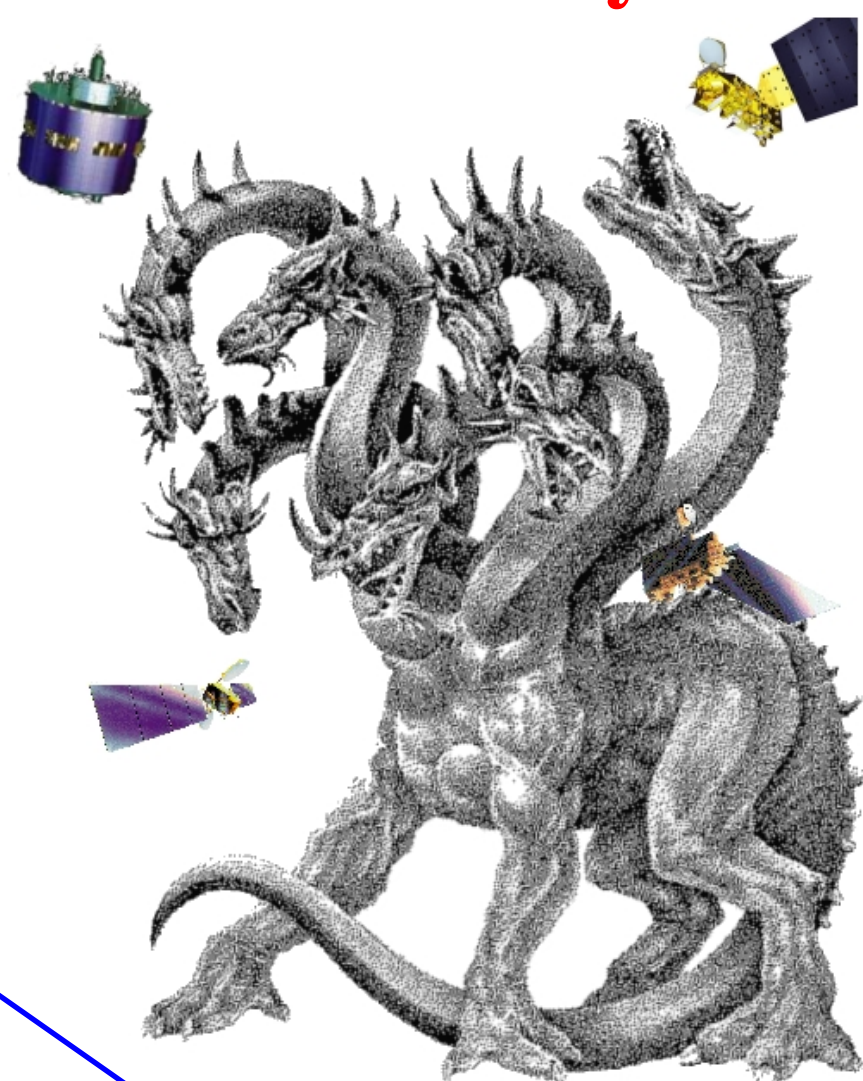


Monthly NDVI of China



### HYDRA

Visualization Software  
<http://www.ssec.wisc.edu/hydra/>



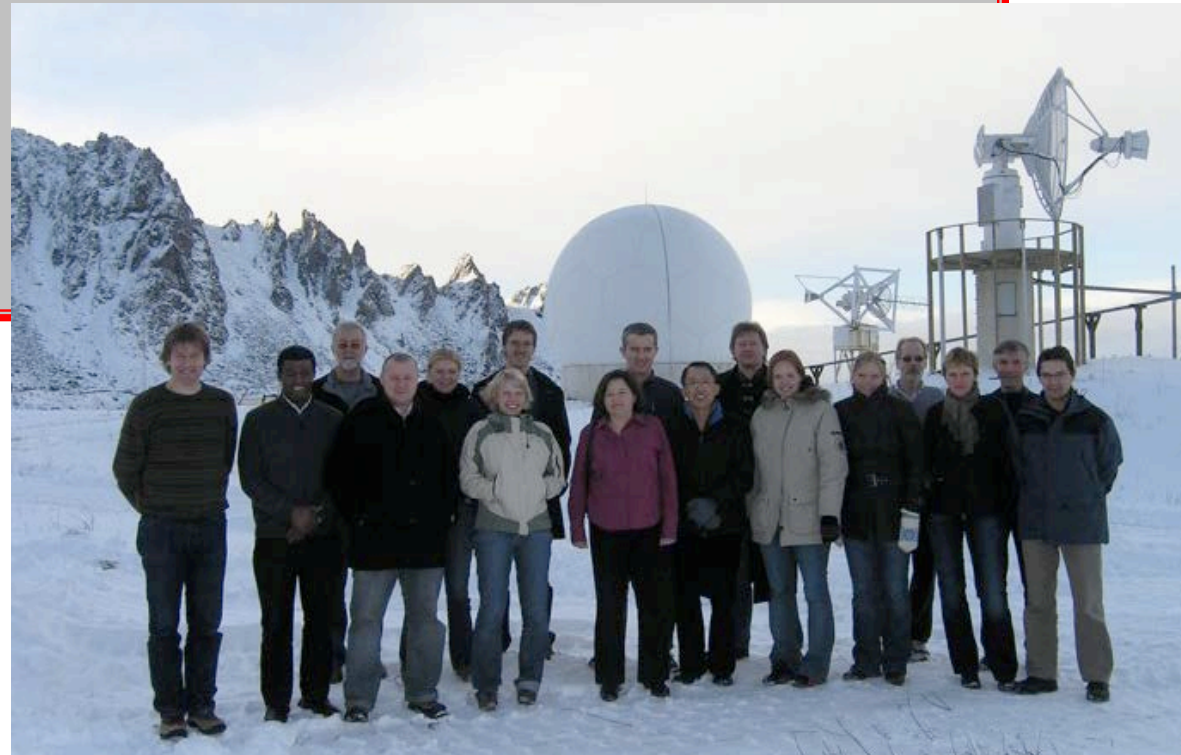
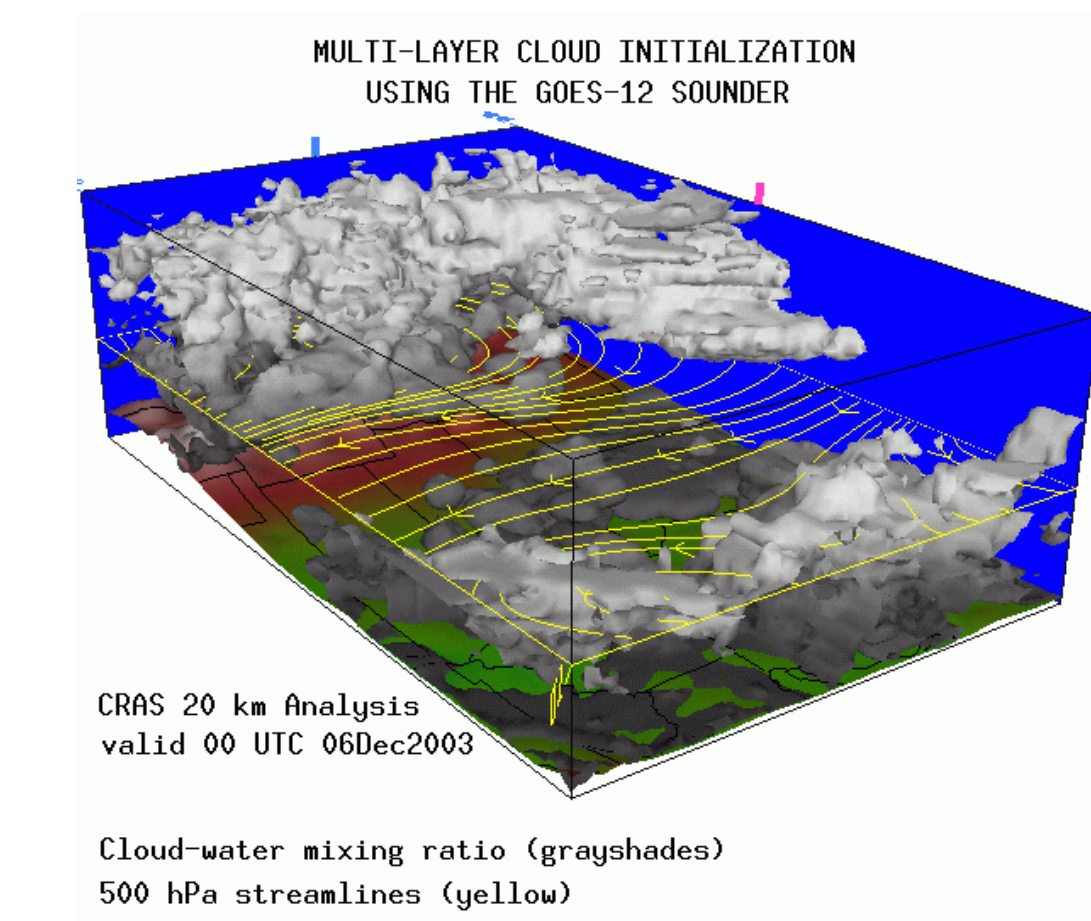
### Beijing, China: 19-24 May 2005

**IMAPP & its Future**  
The Current Status and Development Trend of Remote Sensing and Space Technology for Multi-disciplinary Research and Application in China  
MODIS Measurements Characteristics, Overview & Information Content Background  
MODIS Data/Imagery Lab  
MODIS Data Sharing Network and Applications in China  
DVB-S technique-based MODIS Data Sharing Platform  
EOSShop software package  
MODIS-like instrument MERSI and IR sounding instrument IRAS in Chinese FY-3 Meteorological Satellite  
MODIS and FY Applications in Meteorological Disasters Management  
MODIS Products Lecture/Lab  
AIRS Lectures/Lab  
Hyperspectral Sensor Characteristic (FTS Vs. Grating)  
Hyperspectral Measurement Characteristics  
Hyperspectral Retrieval Theory  
Hyperspectral/AIRS Information Content Lectures/Lab  
A Cluster System to Optimize IMAPP Direct Broadcast Processing



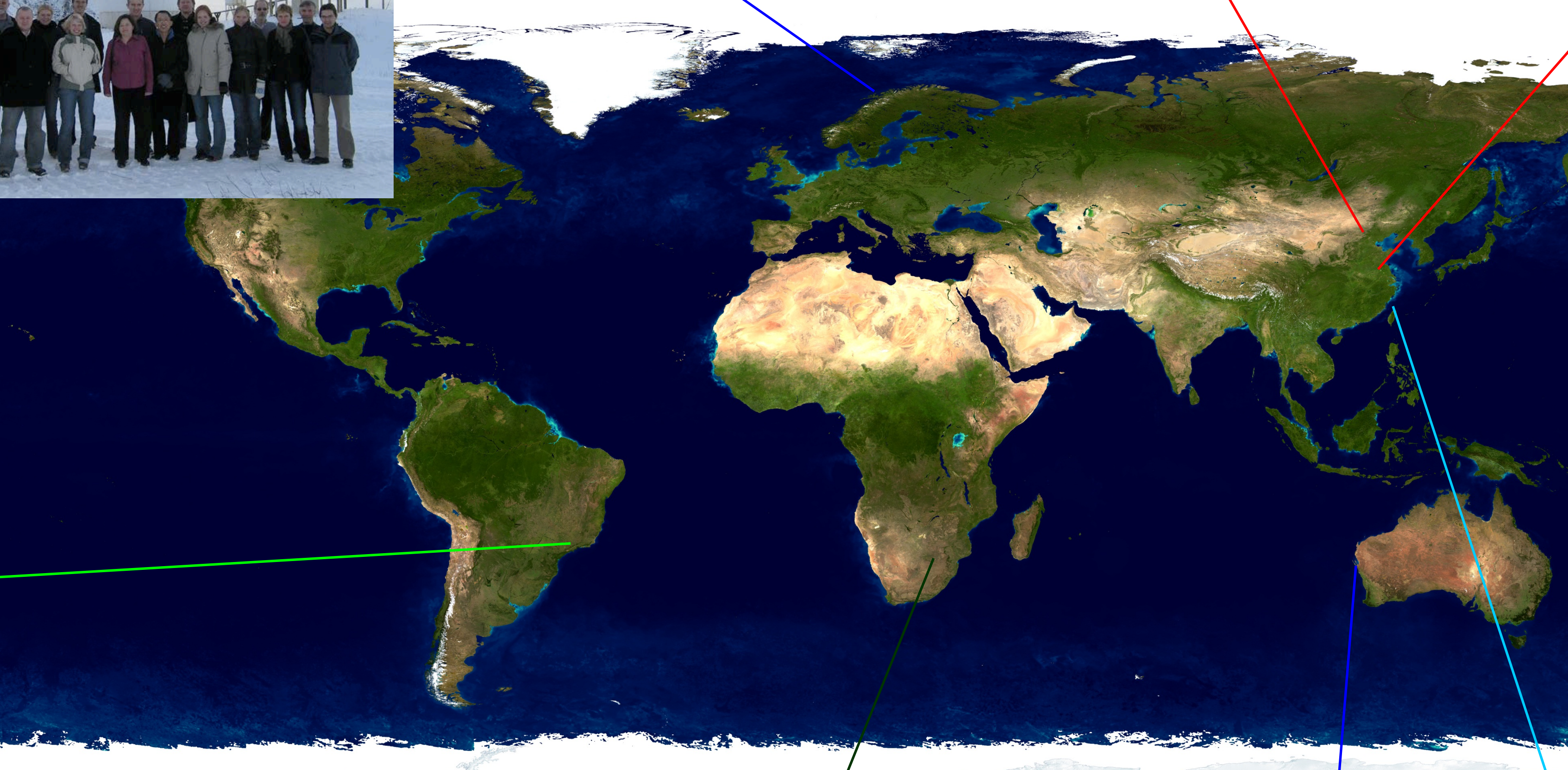
### Andenes, Norway: 28 Feb - 2 Mar 2006

- Earth Observing System (EOS) Background and History
- MODIS Instrument and Measurement Characteristics
- Level-1 Processing, Geolocation and Calibration Algorithms
- Image Artifacts including Bowtie Distortion
- Image Reprojection
- True Color Image Creation
- Familiarization with MODIS visualization software (Hydra)
- Examination of MODIS spectral band features for land, ocean, and clouds
- Atmosphere, Land, and Ocean Algorithms and Products
- Cloud Mask Algorithm
- Cloud Top Properties Algorithm (Pressure, Phase, Emissivity)
- Aerosol Algorithm
- Clear Sky Retrieval Algorithm (Temperature, Water Vapor, Ozone)
- Interpretation of MODIS Cloud Mask, Cloud Phase and Aerosol Products
- Snow/Ice Detection
- Polar Winds
- Ice Motion Detection
- MODIS Polar Winds



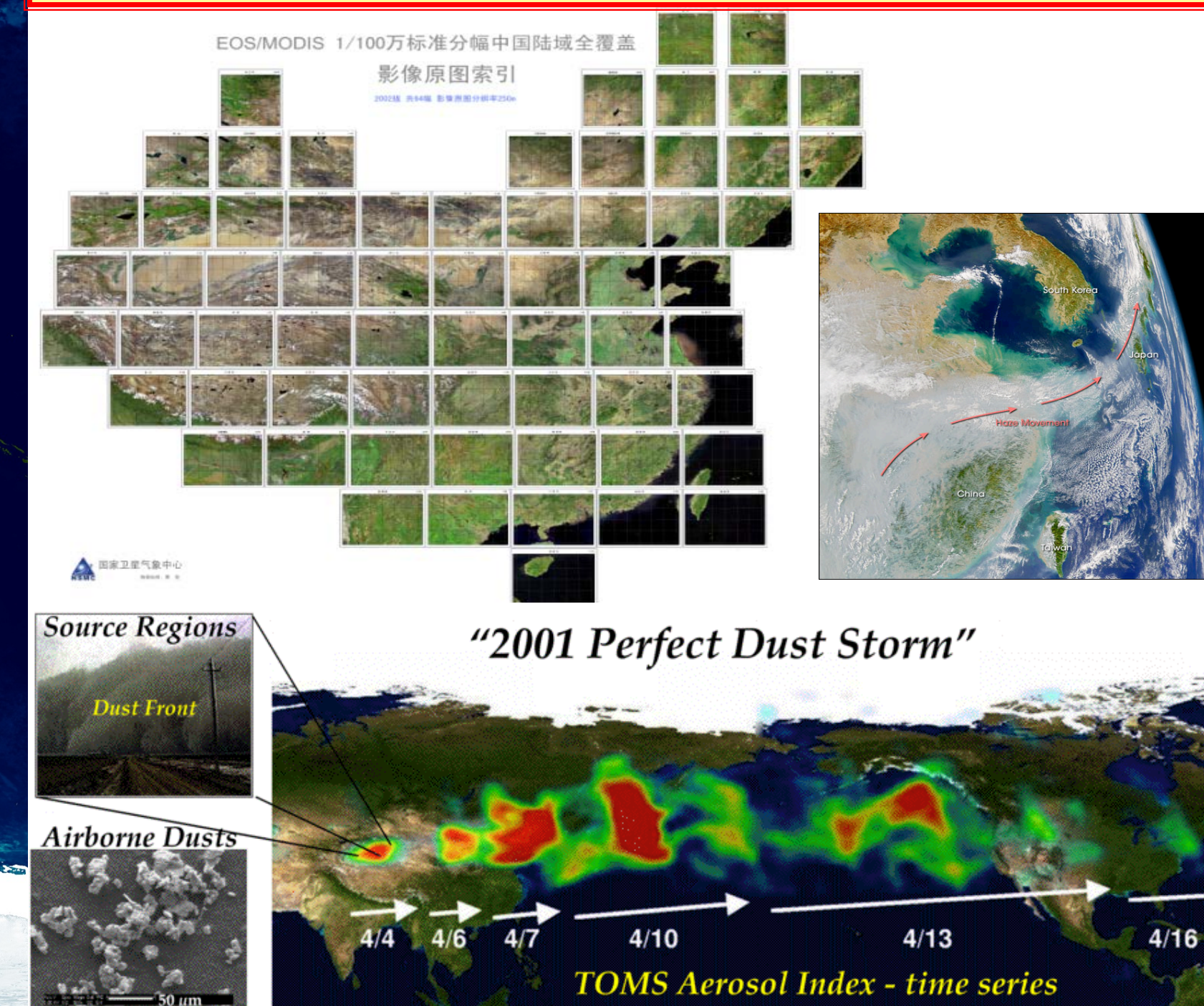
### Cachoeira Paulista, Brazil: 26-30 November 2007

- Review of Remote Sensing Fundamentals
- Multispectral Imager and Sounder Measurement Information Content
- MODIS Data/Imagery
- MODIS Atmosphere, Land & Marine Products
- Ordering of MODIS Products
- Direct Broadcast CIMSS Regional Assimilation System (DB-CRAS)
- MODIS Products
- Overview of NOAA Geo Program
- SSEC Remote Sensing Expertise
- GOES-10 Images/ Products
- GOES-10 Soundings



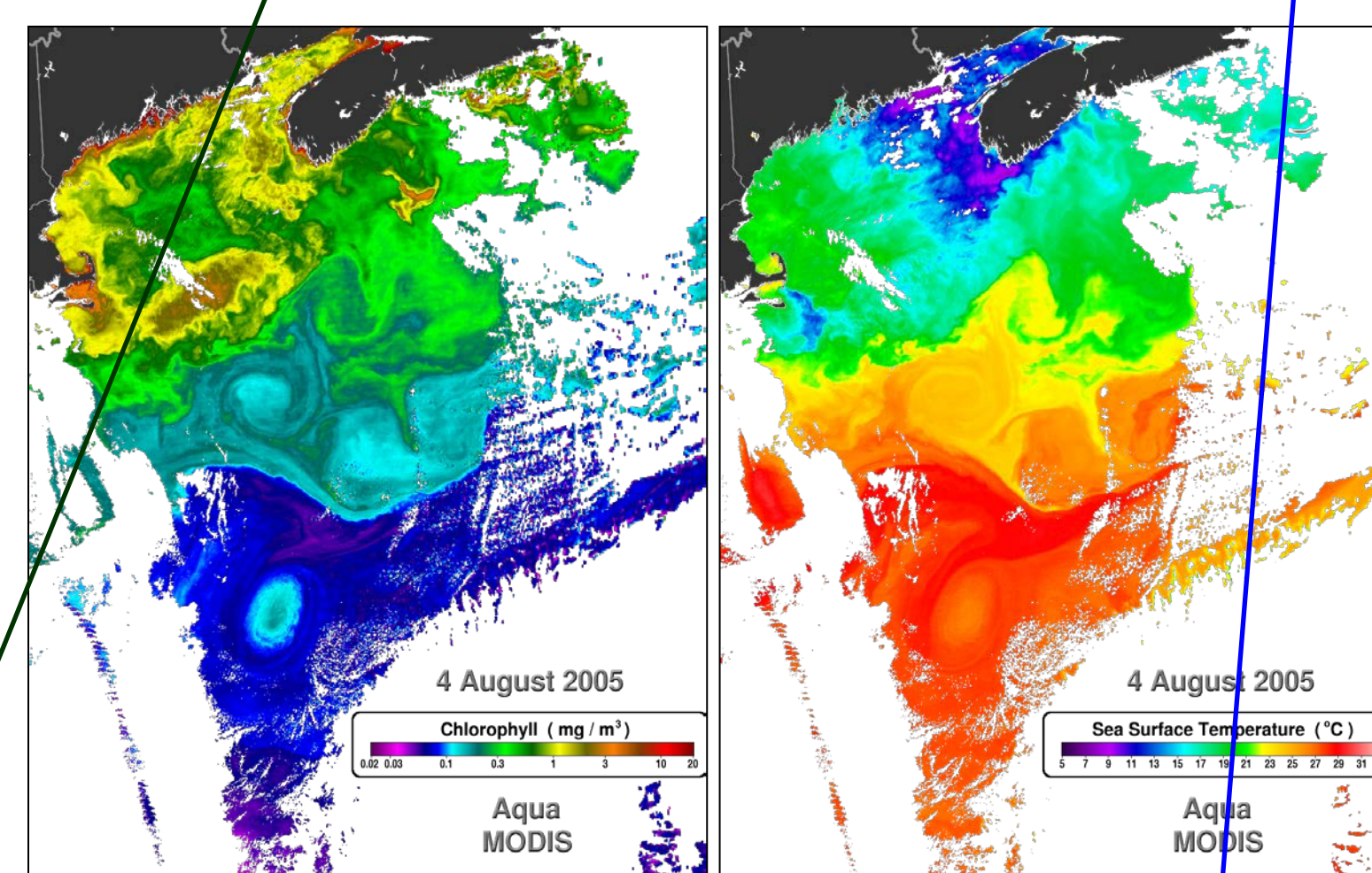
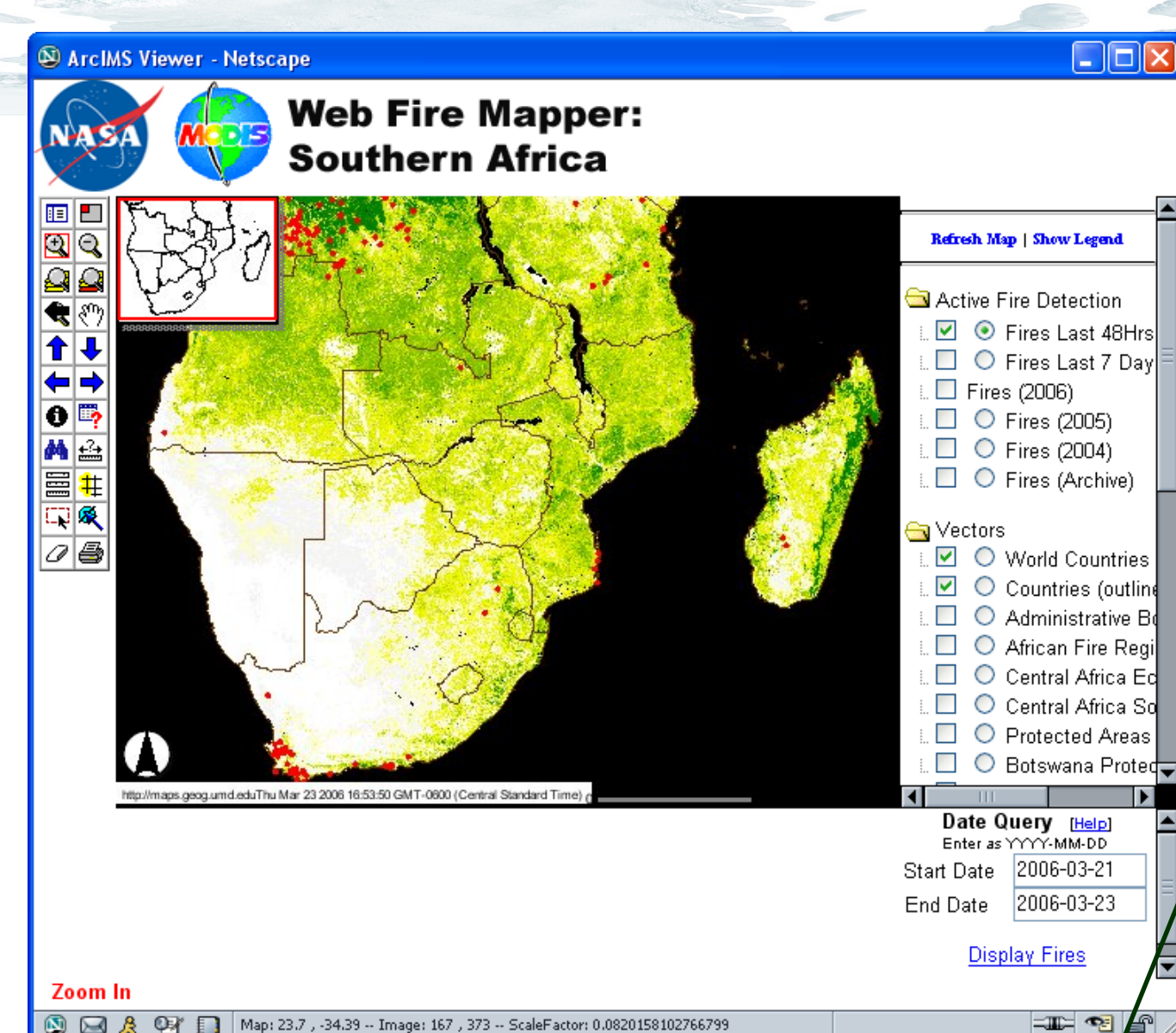
### Nanjing, China: 6-12 June 2004

- LEVEL-1 Data/Products
- MODIS Data/Imagery Lab Session
- MODIS Products Lecture/Lab
- Hyperspectral/AIRS Lectures
- Hyperspectral Lab Session
- Remote Sensing Science & Application Lectures



### Chung-Li, Taiwan: 12-14 January 2005

- EOS Big Picture
- Long-range Transport of Air Pollution
- Hyperspectral Sounding of the Atmosphere
- Multispectral Imaging of Earth-Atmosphere
- EPA Perspective (TEPA)
- Remote Sensing for Weather & Climate
- NCU Remote Sensing Applications & Education
- Aura Chemistry
- Cloud Chemistry
- MODIS Instrument & Measurement Characteristics
- MODIS Imagery, Product & Application
- MODIS Data, Imagery, & Products Lab
- MODIS Operational Product, Characteristics and Applications
- MODIS Specialized Products/Applications Lab

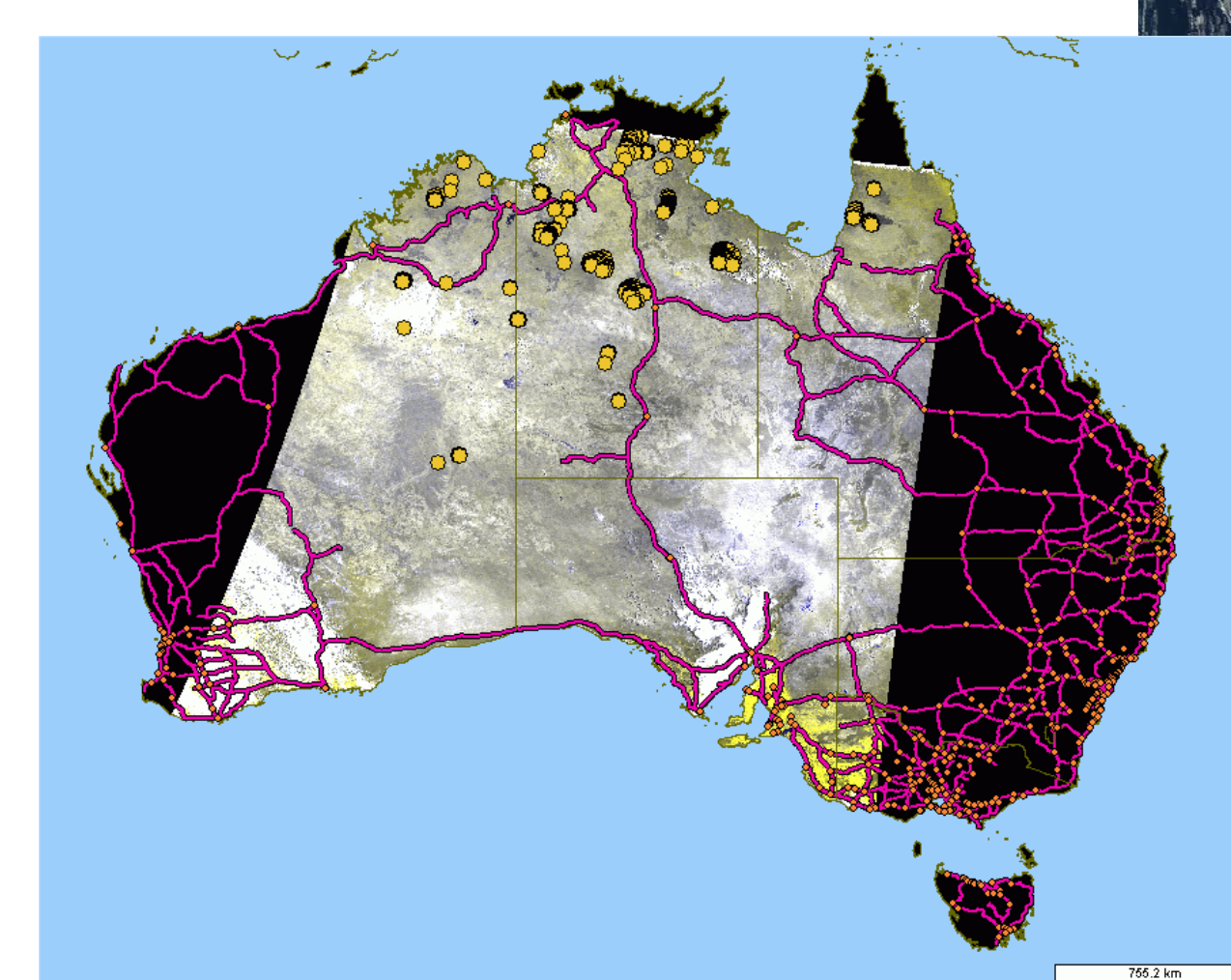
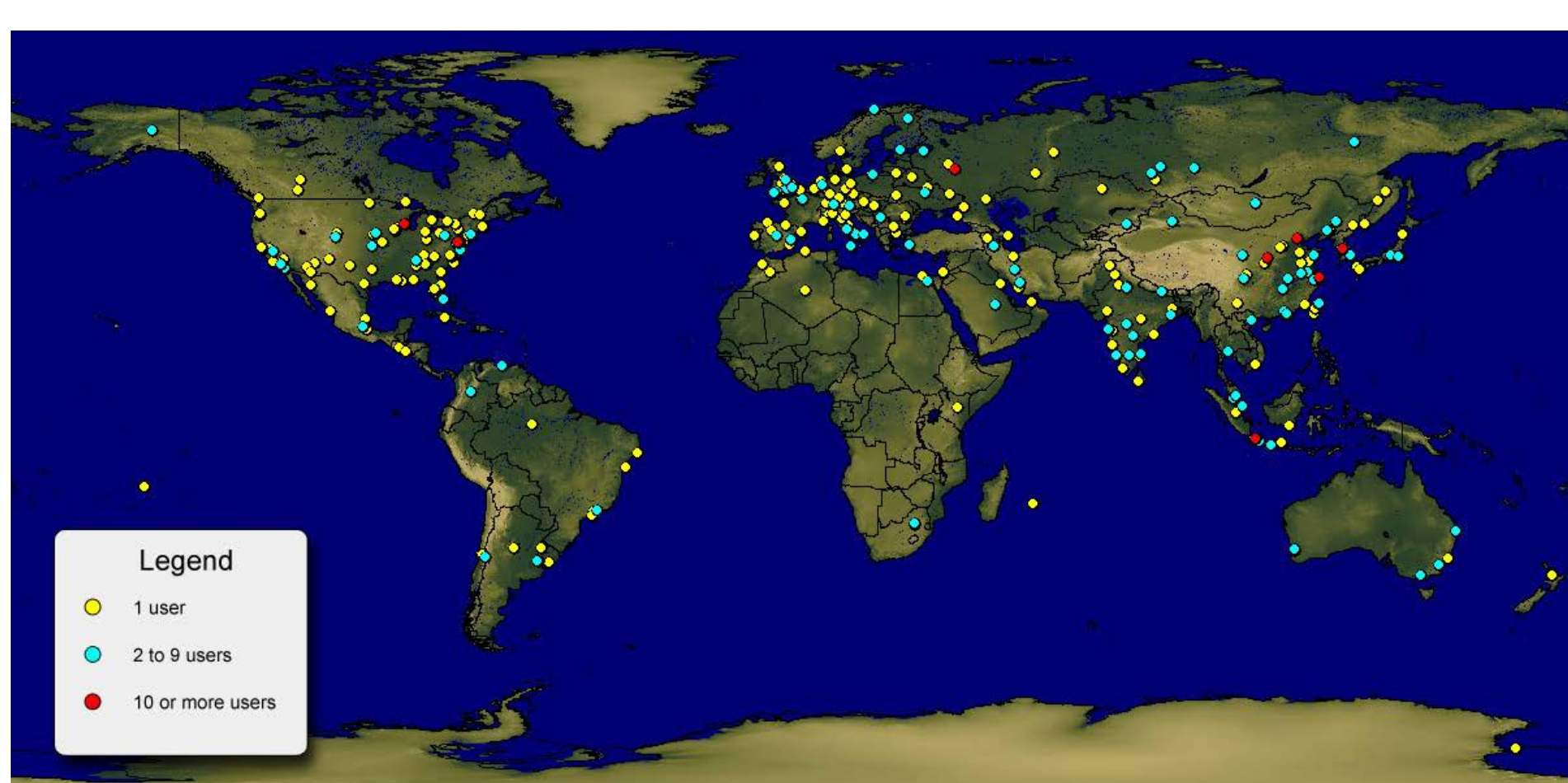
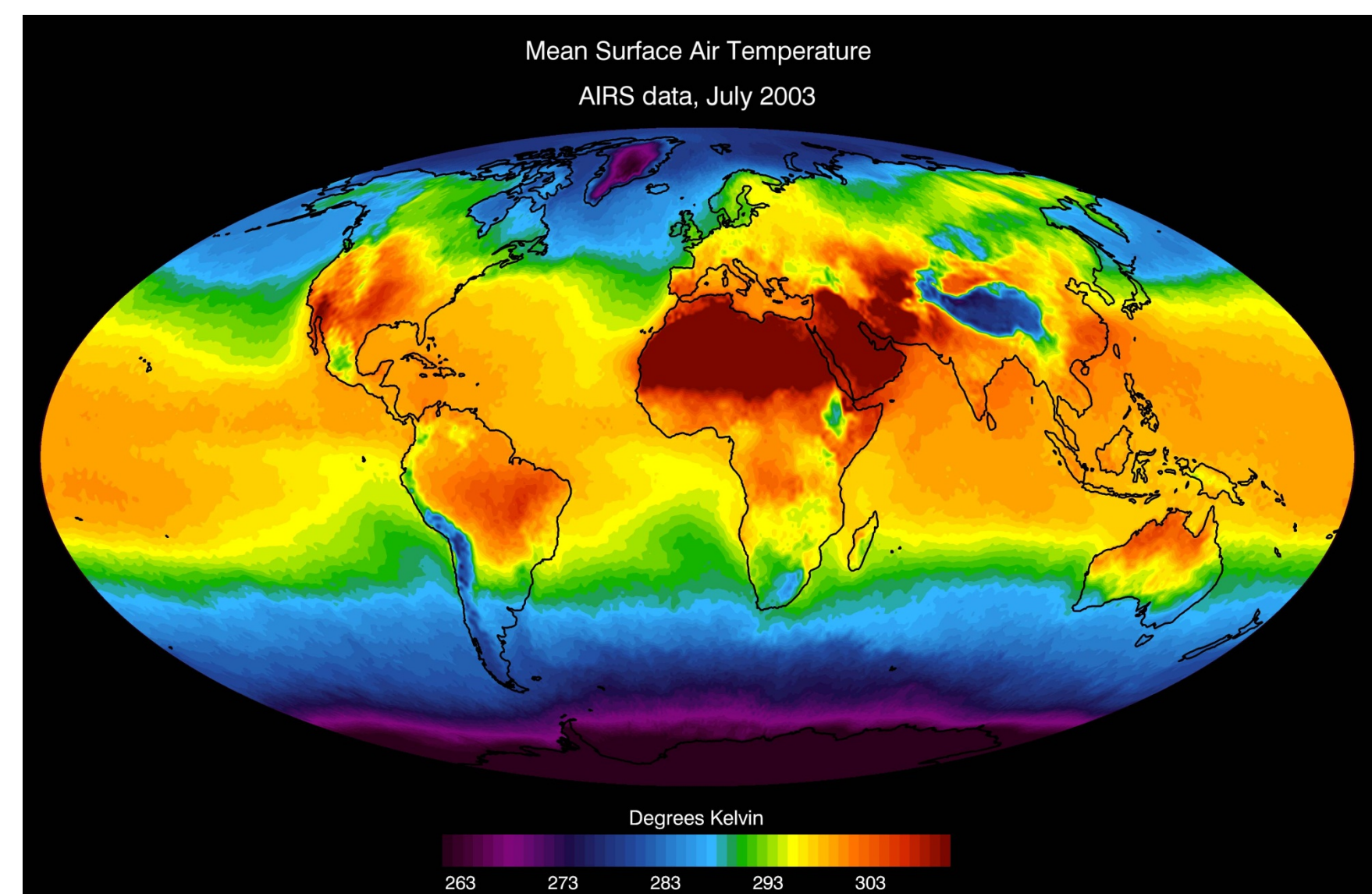
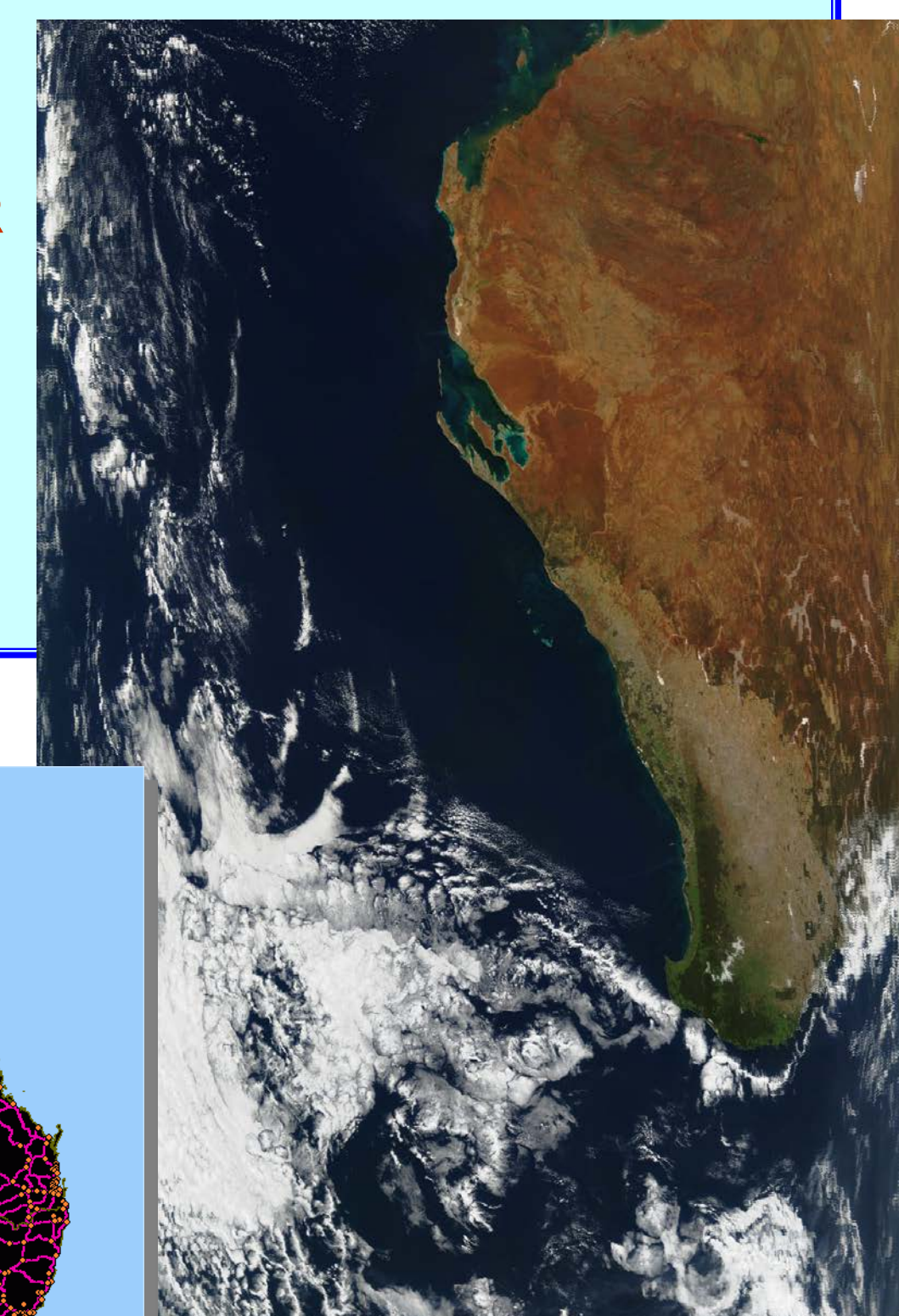


### Pretoria, South Africa: 3-7 April 2006

- MODIS/NPP & NPOESS Seminar for Decision Makers
- Overview of IMAPP and IPOP
- Direct Broadcast Capability Overview
- MODIS Measurement Characteristics & Information Content
- MODIS Data/Imagery
- MODIS Products (Land/Atmosphere & Marine)
- MODIS Atmosphere Products
- Clouds; Atmospheric Profiles; Aerosol Optical Thickness
- MODIS Land Products
- Fire Detection; Surface Reflectance
- MODIS Ocean Products
- Sea Surface Temperature SeaDAS (Ocean)
- AIRS Introduction
- Hyperspectral/AIRS

### Floreat, Western Australia: 26-29 November 2002

- Introduction to MODIS
- Survey of MODIS Spectral Bands
- Scanner Characteristics
- MODIS Instrument Characteristics
- MODIS Realtime Processing and Applications at DLR
- MODIS Ocean Products
- Reprojection, True Color Images, Data Ordering
- MODIS Cloud Masking
- MODIS Water Vapor Retrieval
- Masking and Fire Detection
- User Driven Case Studies



DB training is to serve more than 1000 in 65 countries global IMAPP users