

**International EOS/NPP Direct Readout Meeting, 3-6 October 2005**  
**Mediterranean Agency for Remote Sensing and Environmental Control (MARSec)**

**Monday 3 October 2005**

**8:00 REGISTRATION**

**Session Title: Invited and Keynote Addresses** (Chair: Patrick Coronado)

9:00		Patrick Coronado, Liam Gumley, and Paolo Antonelli	Welcome, Introductions, and Local Arrangements
		Carmine Nardone; President of the Province of Benevento	Invited Address
		Aniello Cimitile; Dean of the University of Sannio	Invited Address
9:45	1.1	James Dodge (NASA retired), Rich Isaacman (SeaSpace)	Keynote Address

**10:30 BREAK**

11:00	1.2	Angelita Kelly (NASA GSFC)	EOS Spacecraft and Instrument Status
11:30	1.3	Federica Rossi (MARSec)	The Outreach Strategy at MARSec

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**12:00 LUNCH AND POSTER GROUP 1**

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**Session Title: Direct Broadcast Product Generation and Sharing** (Chair: Allen Huang)

2:00	1.4	Gustavo Carlos Cabrera (CONAE, Argentina)	Direct Broadcast + Alerts + Fast Delivery Products: From Satellites to Final Users
2:30	1.5	Zhongdong Yang (NSMC, China)	National MODIS Data Sharing Platform and its Application
3:00	1.6	Jasmine Nahorniak (Oregon State University)	Direct Broadcast Stations: Bridges to the Community
3:30	1.7	Haruhisa Shimoda (Tokai University)	EOS Data Reception, Processing and Dissemination in Tokai University Space Information Center
<b>4:00</b>		<b>BREAK</b>	
4:15	1.8	Karen Zanter (USGS)	MODIS Direct Broadcast Reception and

Processing at the USGS National Center for  
Earth Resource Observations and Science

4:45	1.9	Paolo Antonelli (University of Wisconsin-Madison)	International Collaboration between DB stations for EOS Data Networking
5:15	1.10	Richard Watson (University of New Mexico)	The Center for Rapid Environmental Assessment & Terrain Evaluation
5:45		Wrap-up Panel	
<b>6:00</b>		<b>Bus ride to Azienda Agricola Mustilli for Dinner</b>	
<b>7:00</b>		<b>MEETING DINNER</b>	

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**Tuesday 4 October 2005**

**Session Title: Environmental Monitoring Stations and Processing Software** (Chair: Darrell Robertson)

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|--------------|-----|--------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 9:00         | 2.1 | Gerardo López (CONABIO, Mexico)                  | Biodiversity Monitoring – The MODIS and AVHRR DB Station, Mexico                                 |
| 9:30         | 2.2 | Wataru Takeuchi (University of Tokyo)            | Development of Terra/Aqua MODIS Pre-Processing System at the University of Tokyo                 |
| 10:00        | 2.3 | Liam Gumley (University of Wisconsin-Madison)    | Recent Developments in MODIS, AIRS/AMSU, and AMSR-E Processing Software for EOS Direct Broadcast |
| <b>10:30</b> |     | <b>BREAK</b>                                     |                                                                                                  |
| 11:00        | 2.4 | Craig Smith (Geoscience Australia)               | Improvements to MODIS NRT Product Generation at ACRES                                            |
| 11:30        | 2.5 | Kathy Strabala (University of Wisconsin-Madison) | International MODIS/AIRS Processing Package Level 2 Product Applications                         |
| 12:00        | 2.6 | Alfredo Romo (University of Valladolid)          | Observations From Satellites To Help In The Struggle Against Fires                               |

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**12:30 LUNCH AND POSTER GROUP 1**

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**Session Title: Solutions for Direct Broadcast Reception and Processing** (Chair: Maurizio di Bisceglie)

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|------|-----|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 2:00 | 2.7 | Carl Schoeneberger (Orbital Systems)    | Next Generation Pedestals: Reliable, Accurate and Cost Effective                                                                           |
| 2:30 | 2.8 | Frank Øynes (Kongsberg Spacetec)        | MEOS POLAR – A Cost Effective Direct Broadcast Terminal for L and X-Band Polar Orbiting Satellites                                         |
| 3:00 | 2.9 | Vladimir Gershenzon (R&D Center ScanEx) | Multimission Ground Station for Direct Broadcast Data and High-resolution Imaging Receiving from Current and Future Observation Satellites |

3:30 2.10 Gianfranco Pandiscia (Telespazio) Terra MODIS Products for Hydrologic Modeling and Natural Hazard Monitoring

**4:00 BREAK**

**Session Title: Ocean Products and Applications** (Chair: Tim Smyth)

4:15 2.11 Bryan Franz and Michael Macdonald (NASA GSFC) NASA Support for MODIS Direct Broadcast: Level 0 to Standard Ocean Products

4:45 2.12 Jamie Shutler (Plymouth Marine Laboratory) MODIS 500m Ocean Colour Data through Exploiting Spectral and Spatial Correlation

5:15 2.13 Judd Taylor (University of South Florida) DB Systems in Development and Use at the USF Institute for Marine Remote Sensing

5:45 Wrap-up Panel

**6:00 SOCIAL HOUR**

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**Wednesday 5 October 2005**

**Session Title: Atmosphere Products and Applications** (Chair: Liam Gumley)

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|--------------|-----|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 9:00         | 3.1 | Allen Huang (University of Wisconsin-Madison) | Synergistic Sounding/Imaging and Infrared/Microwave Products Demonstration for NPOESS/NPP Direct Broadcast Users |
| 9:30         | 3.2 | Anatoly Lagutin (Altai State University)      | Validation of MODIS Ozone Profile over Siberian Region using AIRS/Aqua Data                                      |
| 10:00        | 3.3 | Jeff Key (NOAA/NESDIS)                        | Satellite-Derived Wind, Cloud and Surface Products at DB Sites in the Polar Regions                              |
| <b>10:30</b> |     | <b>BREAK</b>                                  |                                                                                                                  |
| 11:00        | 3.4 | Jun Li (University of Wisconsin-Madison)      | New Products from Combined MODIS/AIRS                                                                            |
| 11:30        | 3.5 | Roberto Episcopo (University of Sannio)       | Destriping MODIS Data using the FOV Overlapping Method                                                           |
| 12:00        | 3.6 | Giuseppe Meoli (MARSec)                       | Development of a Parallel Processing Environment for EOS Data                                                    |

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**12:30 LUNCH AND POSTER GROUP 2**

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**Session Title: Land Products and Applications** (Chair: Garik Gutman)

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|-------------|------|----------------------------------------------|------------------------------------------------------------------------------------------------|
| 2:00        | 3.7  | Maurizio Di Bisceglie (University of Sannio) | Constant False Alarm Rate in Fire Detection for MODIS Data                                     |
| 2:30        | 3.8  | Bryce Nordgren (USDA Forest Service)         | Ingesting Direct Broadcast Wildfire Data into the WRF-Chem Smoke Dispersion Model              |
| 3:00        | 3.9  | Theresa Watson (University of New Mexico)    | Continual Compositing of NDVI MODIS Products for High Temporal Frequency Vegetation Monitoring |
| 3:30        | 3.10 | Nando Foppa (University of Bern)             | Evaluation of Fractional Snow Cover Maps Derived from AVHRR with ASTER Data Sets               |
| <b>4:00</b> |      | <b>MARSec OPEN HOUSE</b>                     |                                                                                                |

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**Thursday 6 October 2005**

**Session Title: The NPOESS Preparatory Project (NPP) - A Bridge Mission from EOS to NPOESS** (Chair: John Overton)

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|--------------|-----|---------------------------------------------------------------|--------------------------------------------------------|
| 9:00         | 4.1 | Jim Valenti and Ken Schwer (NPOESS Integrated Program Office) | The NPOESS Preparatory Project (NPP): Mission Overview |
| 9:30         | 4.2 | Peter Kealy (NASA GSFC)                                       | NPP Science Objectives: The Transition from EOS to NPP |
| 10:00        | 4.3 | Tim Trenkle (NASA GSFC)                                       | NPP High Rate Data (HRD) Direct Broadcast              |
| <b>10:30</b> |     | <b>BREAK</b>                                                  |                                                        |
| 11:00        | 4.4 | Patrick Coronado (NASA GSFC)                                  | NASA Direct Readout Laboratory Developments            |
| 11:30        | 4.5 | Robert Murphy (NPOESS Integrated Program Office)              | Transitioning from MODIS to VIIRS                      |
| 12:00        | 4.6 | Karen St. Germain (NPOESS Integrated Program Office)          | NPP Calibration and Validation                         |

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**12:30 LUNCH and POSTER GROUP 2**

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**Session Title: Polar Orbiting Direct Broadcast** (Chair: John Overton)

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|-------------|------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 2:00        | 4.7  | Chaohua Dong (NSMC, China)                                 | China's Current and Future Meteorological Satellite Systems and Applications                                             |
| 2:30        | 4.8  | Francois Montagner (EUMETSAT)                              | EUMETSAT Polar Orbit Direct Readout and Dissemination Status and Plans                                                   |
| 3:00        | 4.9  | Guy Rochard (Meteo France); presented by Karen St. Germain | Pursuing Consistency in Calibration Methods for Direct Broadcast and Global Data Processing of Polar Orbiting Satellites |
| 3:30        | 4.10 | Børre Pedersen (Kongsberg Satellite Services)              | Operational Use of the Svalbard and Tromsø Sites for Near Real-Time Direct Broadcast Data Services                       |
| <b>4:00</b> |      | <b>BREAK</b>                                               |                                                                                                                          |

4:15 Antonio Bassolino; President of Campania Region Invited Address

**Session Title: NPP and the transition to NPOESS (Chair: Patrick Coronado)**

4:30 4.11 John Overton (NPOESS Integrated Program Office) The National Polar-Orbiting Operational Environmental Satellite System (NPOESS) and NPOESS Preparatory Project (NPP) Access to Data: A Partnership

5:00 4.12 Mike Haas (NPOESS Integrated Program Office) NPP Environmental Data Records for Meteorological Applications

5:30 4.13 John van de Wouw (Northrup Grumman Space Technology) NPOESS Direct Readout Mission

**6:00 MEETING SUMMARY AND ADJOURNMENT**