

DIMITRI - Status

M. Bouvet

European Space Agency

DIMITRI: purpose and history



- ESA EO data quality control tool
- Radiometric monitoring of ESA sensors but NOT their operational calibration
- Started as proto tool at ESA/ESTEC (2006)
- Reengineered by ARGANS and recently tested/exploited by RAL/ARGANS/ONERA/ACRI (2012)
- Made freely available: data + tools

DIMITRI : a database



Sites	Sensors	Years
Amazon forest BOUSSOLE Dome-C Libya-4 South Indian Ocean South Pacific Ocean Tuz Golu Uyuni	AATSR ATSR-2 MERIS MODIS-A POLDER-3 VEGETATION-2	2002 to 2012

120,738 L1 native products = 1.2 Tb of data=> 5 Gb of extracted L1 (averaged over ROI TOA reflectance)

DIMITRI – A collection of tools



- A simple database (.csv) to keep track of ingested products
- Methodologies and data management coded in IDL
- A Graphic User Interface

The Database for Imaging Multi-spectral Instruments and Tools for Radiometric Intercomparison		
Ingest Data:	Process:	Visualise:
Add L1b Data	Cloud Screening	View Outputs
New Site	Sensor Recal.	RSR Data
Data Download	VGT Simulation	Database Stats

Ongoing activities



- Maintenance contract started to:
 - Keep populating the database with latest remote sensing data
 - Add VIIRS data
 - Make 3 monthly intercomparison updates
 - Support users
- Implementation of Rayleigh and Glint methodologies should start with expected closure in 12 months => Strong interest in activating the WG2
- S-2/S-3 Mission Performance Center will make use of DIMITRI: S-2/S-3 data will be added to the DIMITRI database