

INPE

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Summary of Mission Capacity to meet FCT/GFOI needs (1/2)

Missions **currently available**

- CBERS-2B operated from September 2007 until May 2010:
 - CCD (4-band, 20m, side looking, 120km swath, Chinese)
 - WFI (2-band, 260m, 890km swath, Brazilian)
 - HRC (panchromatic, 2.5m, 27km swath, Chinese)
 - 26-day revisiting cycle, 5-day with WFI
 - All data recorded onboard is available on INPE's catalog
 - Data available over African countries and the Congo basin
 - Systematic coverage available over Brazil and Guyana
 - Level 1G available on INPE's catalog (www.dgi.inpe.br/CDSR)

Summary of Mission Capacity to meet FCT/GFOI needs (2/2)

Near-future missions of relevance

- CBERS-3 is scheduled for launch on November 2012:
 - Expected start of operations on March 2013
 - Designed life time of 3 years
 - MUXCAM (4-band, 20m, 120km swath, Brazilian)
 - PANMUX (1-pan/3-band, 5m/20m, 60km swath, side looking, Chinese)
 - IRS (3-band/1-thermal, 40m/80m, 120km swath, Chinese)
 - WFI-2 (4-band, 64m, 866km swath, Brazilian)
 - 26-day revisiting cycle, 5-day with WFI-2
 - Solid state onboard data recorder will improve acquisition capabilities

Summary of Mission Capacity to meet FCT/GFOI needs (2/2)

Near-future missions of relevance

- AMAZONIA-1 is scheduled for launch on November 2014:
 - Expected start of operations on March 2015
 - Designed life time of 3 years
 - **AWFI (4-band, 40m, 700km swath, Brazilian)**
 - Improvement of previous WFI and WFI-2
 - Mission dedicated to forest monitoring
 - Complementary mission for CBERS-3 and CBERS-4
 - 5-day revisiting cycle
 - Solid state onboard data recorder



SDCG-1

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Meeting the FCT/GFOI Data Requirements

- Expected capacity to contribute to the “CEOS Data Strategy in support to GFOI” (Level-1: continental-scale wall-to-wall; Level-2: national/sub-national-scale wall-to-wall; Level-3: Local-scale over FCT National Demonstrator sites)
 - Capabilities: **Yes, even for Level-3** (PANMUX has a 5m band)
 - Possible data gaps: **Unforeseen**
 - Constraints: **Duty cycle of cameras, power, thermal conditions**
 - Acquisition Scheduling Procedure: **Global coverage**
 - Geographical Priorities, if any: **Brazil**

Any thoughts, questions or comments? Thanks!

Backup slide – CBERS for Africa

