DMCii supports the fight with illegal logging in the Amazon

Earth Observation Support to INPE (National Institute for Space Research in Brazil).

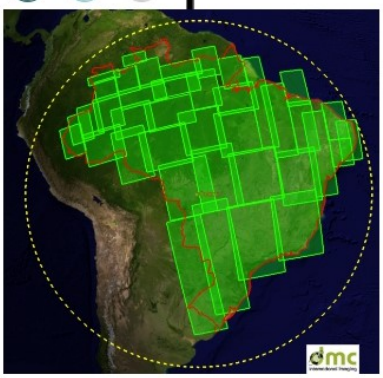

Fig 1. A monthly coverage of Brazil by UK-DMC2

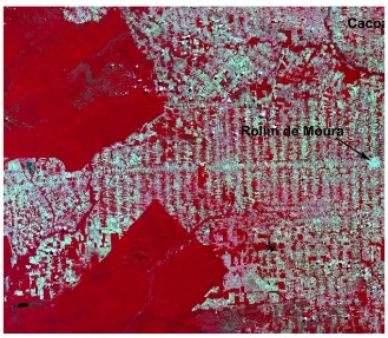

Fig 2. Rondonia- the most deforested state in Brazil, UK-DMC2 image

- **Users**: global use, open licence, INPE (Brazil)
- **Need:** Increasing year to year deforestation in Amazon has impacted the global climate change and biodiversity. A reliable monitoring system of this more than 5Mkm^2 large area is needed in order to alert the government entities of illegal logging, enabling the preservation of this region.
- **Challenge:** Tropical regions are very cloudy and access to information from space which is cloud free and frequent enough is very challenging. The size and weather conditions are an obstacle for many data sources.

Initiative: INPE's initiative, which created in 2004 a system to detect deforestation in real time (DETER), allowing the supervisory board to take effective and promptly actions to combat illegal logging, is a successful example on use of EO data. DMCii provides a regular monitoring of Brazil in near-real-time, using direct reception capability. Thanks to unique satellite data features (swath 650km and frequent revisit), DMCii can capture deforestation as it happens.

Results: A very important decline in deforestation has been observed since 2004. The project is recognized as an important contribution by the promptness and transparency on data release regarding the Amazon Deforestation.

Service provider: DMC International Imaging (www.dmcii.com)