

Satélites Copernicus Sentinel para aplicações terrestres

Copernicus Sentinel satellites for Land applications

Coordenador: Juan Carlos Jiménez (University of Valencia - Spain)

Sala: Urano II – 15 de abril – Segunda-feira – 8h30 às 10h40

ABSTRACT: Copernicus is the European Union’s Earth Observation Programme managed by the European Commission. The main objective of the Copernicus Programme is to transform the vast amount of satellite and in situ data into value-added information by processing and analyzing the data. These value-adding activities are streamlined through six thematic streams: Atmosphere, Marine, Land, Climate, Emergency, and Security. The European Space Agency is developing a new family of missions called Sentinels specifically for the operational needs of Copernicus. Each Sentinel mission is based on a constellation of two satellites to fulfil revisit and coverage requirements. Currently, they consist of six different families, with Sentinels 1, 2, 3 and 5P already launched and providing data. The Copernicus Land Monitoring Service aims to provide geographical information on land cover and on variables related to the vegetation state or the water cycle. It supports applications in a variety of domains such as spatial planning, forest and water management, agriculture and food security. This thematic session focus on the use of Sentinels 1, 2 and 3, in synergy with other missions, for land applications. It will include presentations related to applications in agriculture, and the monitoring of bio-geophysical variables over forests and snow-covered areas.

Títulos	Palestrantes	Período
Opening	Dr. Juan Carlos Jiménez (University of Valencia - Spain)	8:30
H2020 SENSAGRI project: developing prototypes for new Copernicus services for agriculture	Eatidal Amin & Luca Pipia (University of Valencia – Spain)	8:40
Snow monitoring in Patagonia by using multiscale Sentinel and MODIS imagery	Dr. Cristian Mattar (Laboratory of Geoscience, University of Aysén – Chile)	9:00
Monitoring thermal anomalies over Amazon forests using Sentinel-3 data	Dr. Juan Carlos Jiménez (University of Valencia – Spain)	9:20
Systematic deforestation monitoring by Sentinel-1 repeat-pass SAR interferometry	Dr. Francescopaolo Sica (German Aerospace Center, DLR - Germany)	9:40
Harmonized Landsat and Sentinel-2 BRDF normalization and albedo estimation in the Amazon forest	Belen Franch (University of Maryland, College Park – USA) Goddard Space Flight Center, Greenbelt. USA	10:00
Discussion/Closing		10:20