PAZ Mission
Science Activities

María José González, Juan Manuel Cuerda, Eva Vega, Marcos García, Nuria Casal

INTA (Spanish National Institute of Aerospace Technology)
EUSAR 2021
CEIT. Space Center INTA - Torrejón
PAZ Mission

SAR earth observation mission
INTA

Ground Segment owner
SAR Engineering
Science Activities
**SAR Engineering**
- Calibration, Validation
- Performance Monitoring
- Development of methods, algorithms...

**Science Activities**
- Scientific Exploitation
- Science Segment
- PAZ Science Divulgation
Scientific Exploitation
Scientific Exploitation

Announcement of opportunity
- AO-001 On going
- AO-002 Degrees, PhD

Agreements
- DLR – INTA Agreement
- AO-003 Joint TSX-TDX-PAZ
AO-001. General Purpose Call

Proposal reception and approval
February-July 2019

PAZ Scientific Committee Review
54 approved proposals
>3000 products delivered
AO-001 Field of application

- Land cover / Forest
- Urban
- Sea Ice
- Georisk. Volcanoes
- Agriculture / Land Cover
- Georisk
- Ice and Snow
- Methods
- Land cover / Forest
- Archaeology
- Permafrost
- Hydrology
- Ocean / Coast
- Forest
- DEM and DEM applications
- Landslide Monitoring
Kilauea

Imaging Mode: SM
Polarization: Dual
Satellite PAZ

Project
High-resolution exploration of small-scale volcanic features

PI: Michael Poland
U.S. Geological Survey
Project

Evaluating the impact of PAZ spotlight mode data on tracking tidewater glacier dynamics and assessing the iceberg risk to Greenland's largest port.

PI: Dominik Fahrner
University of Liverpool

Glacier Narsap Sermia

Imaging Mode: SL
Polarization: VV
Satellite PAZ
Project

Preparation of winter flood maps in rice fields

PI: Juanma López Sánchez
University of Alicante (Spain)

Gualdalquivir

Imaging Mode: SM
Polarization: Dual
Satellite PAZ
AO-002.

Educational Call

Open Call

Master’s Thesis, PhD
AO-003.
Joint TSX, TDX, PAZ Call

Ready to start!

Scientific benefits of TerraSAR-X, TanDEM-X and PAZ constellation
  optimized revisit time
  increased acquisition capacity

© AIRBUS
Science Segment
Science Segment Web portal
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PAZ Science Divulgation
PTI-TELEDETECT CSIC E INTA

Una plataforma temática interdisciplinar para coordinar e integrar las actividades de teledetcción del sector académico español

MÁS INFO
PAZ Ciencia web site

PAZ Ciencia is the web interface for the science user community of PAZ.

Our goal is the approach of PAZ products to researchers, promotion of SAR technology and applications.

- Subscribe to our Science List to become part of PAZ science community
- Check the current Announcement of Opportunity to access to PAZ products
- Access our archives of INIA publications about PAZ
- Find latest news and blog posts
- Know about us and our facilities

Blog of the Space Center INTA-Torrejón

In this blog the engineers of the Space Center INTA-Torrejón talk about the missions operated in the center; of Ground Segment and space SAR engineering, including the science architechtures of PAZ mission.

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Space Center
INTA Torrejón
blog
PAZ Ciencia Newsletter

EUSAR Conference
Just a few weeks left for the celebration of EUSAR, the 13th European Conference on Synthetic Aperture Radar (March 29 - April 1, 2021).
PAZ will be present in the conference, having a specific session. Status Report PAZ.
The conference will take place in virtual format. You can check the program in [EUSAR 2021]

PAZ Science First Announcement of Opportunity Status
PAZ Ciencia team is preparing the summary status of AO-001 projects that will present first results after two years of science products acquisition.
Principal investigators have been requested to provide their progress reports by mid March.

Featured Image: Deception Island
Deception Island is located in the South Shetland Islands close to the Antarctic Peninsula.
The island is the caldera of an active volcano, having Argentine and Spanish research bases.
PAZ Science project AO-001-003 has as goal the monitoring, quantification and control of ground movements and displacements of the cliff coast line on the island, with special emphasis on the areas around the Gabriela de Castro Spanish Antarctic Base.
Project research team is comprised of Rogelio de la Vega and Carlos Paredes (UPEM), Jose Romero (INTA-LABINOE), Anselmo Fernández, Elena González and Carmen López (IGN) and Miguel Angel Rosero (ESPOL).
Grupo SAR de la Asociación Española de Teledetección

Empieza una conversación

Todo  Recomendado

María José González Bonilla
PAZ Science Activities Coordinator and Head of Payload Data Ground Segment...

PAZ Ciencia estará presente en el III Congreso de Ingeniería Espacial.

En la sesión de Observación de la Tierra del día 27 de octubre, presentaremos 'La explotación científica de PAZ: Observación de la tierra al servicio del desarrollo sostenible'.

El Congreso se desarrollará on-line. Estás a tiempo de registrarte de manera gratuita en:
https://lnkd.in/eW2vmnX

#paz #ceit #calval #pazmission #ceit #remotesensing #observaciondelatierra #earthobservation #gruposAR_AET
Future Activities

- Status Report AO-001
- Launch of AO-003
- Launch of PAZ Science Segment
- Upgrade of Science Segment
Thanks for your attention
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