## Space Weather activities in Portugal (during 2018)

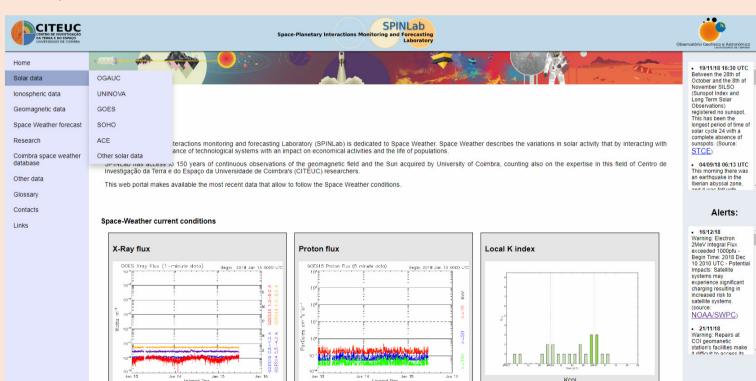
## **Teresa Barata**



## **ACTIVITIES:**

### PINLab - Space - Planetary Interactions Monitoring and Forecasting

**aboratory:** digital platform dedicated to space weather studies is now public available, through ublic presentation to the media.





#### SPINLab on public national TV

PT 🚺 EN 💥

ated 2019 Jan 16 11:27:12 UTC

NOAA/SWPC Boulder, CO

www.mat.uc.pt/~obsv/SPINLab/SPINLab home.php

pdated 2019 Jan 15 11:26:02 UT

## **ACTIVITIES:**

### WAIR - Space Weather and GNS monitoring services for Air Navigation

roject develop by a consortium of private companies and university were presented to the media.







https://business.esa.int/projects/swair https://swair.ptech.io/

SWAIR on the media: radio and national TV

## **ACTIVITIES:**

## VORSHOP "Space Weather and GNS monitoring services for Ai

**Javigation":** organized for the air navigation Portuguese sector, with the presence of mos nportant stockholders. During this event the impacts of space weather on aviation were presented an iscussed.



### LISBON | 2018-06-26

#### **Official Project Partners**

- ANAC (Portuguese Civil Aviation Authority)
- NAV Portugal (Portuguese ANSP)
- IPMA (Portuguese Meteorological Office)

#### Other:

- SATA International Azores Airlines (Portuguese Airline)
- Azores Regional Government

## **OTHER ACTIVITIES:**

### **ESEARCH PROJECTS:**

WAIR (ongoing): 2018 - 2020.

volution of Solar Activity over a Solar Cycle - from Statistics to Physics (Slovakia and Portugal) - concluded in 2018. WANET Space Weather Awareness Training Network submitted to the H2020 program – under evaluation.

### hD Thesis:

ubject: Geomagnetic storm sudden commencement (concluded in 2018)

ubject: Comparative analysis of SWARM and ground-based observations pointed on South Atlantic anomaly (conclu າ 2018).

ubject: Mathematical models to predict solar activity (ongoing).

### nvited talks on the Space Weather subject:

nvited talks at the 21th National Conference of Physics. Invited talk at the 28th Iberian Meeting for the Teaching of Physics.

nvited talk at the 4th Coimbra Summer Space School.

### **Others:**

roposal submitted to the ESWW2018, to organize the "European Space Weather Week" in 2020 in Portugal (under valuation).

# **Thank You!**





