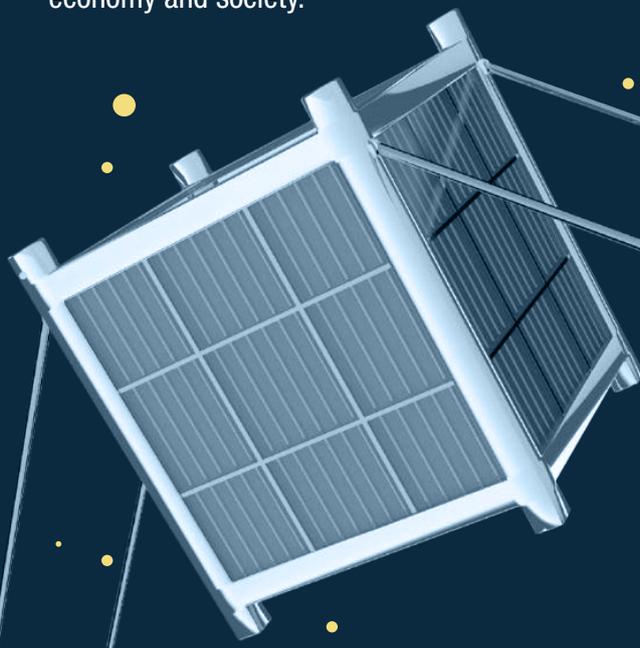


# The Government Promotes the New 'Space Economy'

by Launching its First Nanosatellites



Launching these nanosatellites will enable an improvement of the services of the Catalan Government and various sectors of the Catalan economy and society.



## When will they take off?

First nanosatellite  
(will provide IoT connectivity to Catalonia)



# 07:07:12 AM

From the Baikonur Cosmodrome in Kazakhstan.

## Who will build them?

Open Cosmos and Sateliot are the companies awarded the contracts tendered by Institut d'Estudis Espacials de Catalunya (IEEC) for the design, construction and launch of\* the two nanosatellites.



## How will they be managed?

The management and control of nanosatellites will be done through a system established in the Ground Station (ground control station) located at Montsec Astronomical Observatory (OAdM), managed by IEEC.



## Who will handle the data obtained?

The data will be exploited at first by the ministries of the Catalan government, with the intention to provide access to universities, research centres, technology centres and companies



## What will nanosatellites be called?

The two nanosatellites will receive the name chosen by the children of Catalonia through a competition in the frame of **InfoK**, the reference children's information programme of Super3 TV Channel.



## Countdown for take-off

The website <https://ensposemenorbita.cat/> displays the countdown until the day of the launch of the first nanosatellite into space.



## What services will they offer?

The data obtained by the nanosatellites will provide key information to influence the fight against climate change.

### IoT connectivity.

The nanosatellite developed by Sateliot, of 3 units, will deploy services of global connectivity of Internet of Things (IoT), that is to say, it will enable communication and data obtention from sensors located throughout the territory, even in areas that are difficult to access or that do not have coverage of conventional terrestrial telecommunications networks.

#### Applications:



- monitoring of river flow and water reserves
- monitoring and protection of wildlife
- reception of meteorological data of stations located in remote places
- ground motion monitoring to anticipate weather disasters
- monitoring of herds and crops to detect diseases and define more efficient strategies

### Earth observation.

The 6-unit nanosatellite built by Open Cosmos will offer Earth observation services that will enable images to be obtained from the space in different spectral bands for the study of the territory.

#### Applications:



- acrop and soil productivity analysis
- forest fire prevention and detection
- urban and rural development planning and supervision
- most efficient water management
- monitoring, control and protection of the environment and maritime activity