

The Space Science Craze: An Opportunity for Education in Astronomy.

Author: Benkhaldoun Zouhair,

Oukaïmeden Observatory, Cadi Ayyad University, Marrakech, Morocco

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Abstract

The last decades have shown an unprecedented commitment to **space science**. There is undoubtedly the race towards the domination of space and competition for space exploration which is becoming more and more multipolar after having long been dominated by only two nations. Interest is therefore growing among young people and the general public all over the world. We propose to introduce the space sciences in education in general and in **school programs in particular**. The need is universal in nature: we all have the **same sky!** But the demand is even greater for developing countries which have not yet invested in space sciences.

Site web : http://www.orca.ulg.ac.be/TRAPPIST/Trappist_Main_Fr/Home.html

IAU-CPS

The International Astronomical Union selected the SKA Observatory (SKAO) and NSF's NOIRLab as co-hosts of the new **IAU Centre for the Protection of the Dark and Quiet Sky** from Satellite Constellation Interference. The Centre coordinates collaborative multidisciplinary international efforts with institutions and individuals and works across multiple geographic areas to help mitigate the negative impact of satellite constellations on ground-based optical and radio astronomy observations as well as humanity's enjoyment of the night sky (see this link: <https://cps.iau.org/>).



ISWI

The goal of ISWI is to develop the physical insight necessary to understand the science, and to reconstruct and forecast near-Earth space weather. This includes instrumentation, data analysis, modeling, education, training, and public outreach.

(See this link: <https://iswi-secretariat.org/>)



ISWC

The International Space Weather Camp (ISWC) provides an incredible opportunity for students to learn about space weather, a relatively new and exciting field involving the study of the Sun and its influence on space and the Earth's upper atmosphere as well as the impacts of solar events on space and ground-based technological systems that modern society relies on daily.



CANSAT

The training session on the design of a CanSat, held in Oukaïmeden Observatory, Morocco, from 18 to 22 July 2022 by the Islamic World Educational, Scientific and Cultural Organisation (ICESCO), in partnership with the International University of Rabat and Cadi Ayyad University of Marrakech.



CANSAT Launch



Objectifs

An ambitious program combining space studies and astrophysics can be designed and oriented towards scholars and students, making these themes even more than what they are at the moment, more **inclusive** in the broad sense of this term. The recent establishment of the **IAU-CPS center**, as projects of this scale often are, has an important educational component. We then also propose to use this initiative which combines the problem of satellite constellations and their harmful effects as needed. growing to invent **ingenious solutions** to deal with it. **Well-trained young people represent a potential to be exploited in this direction.**