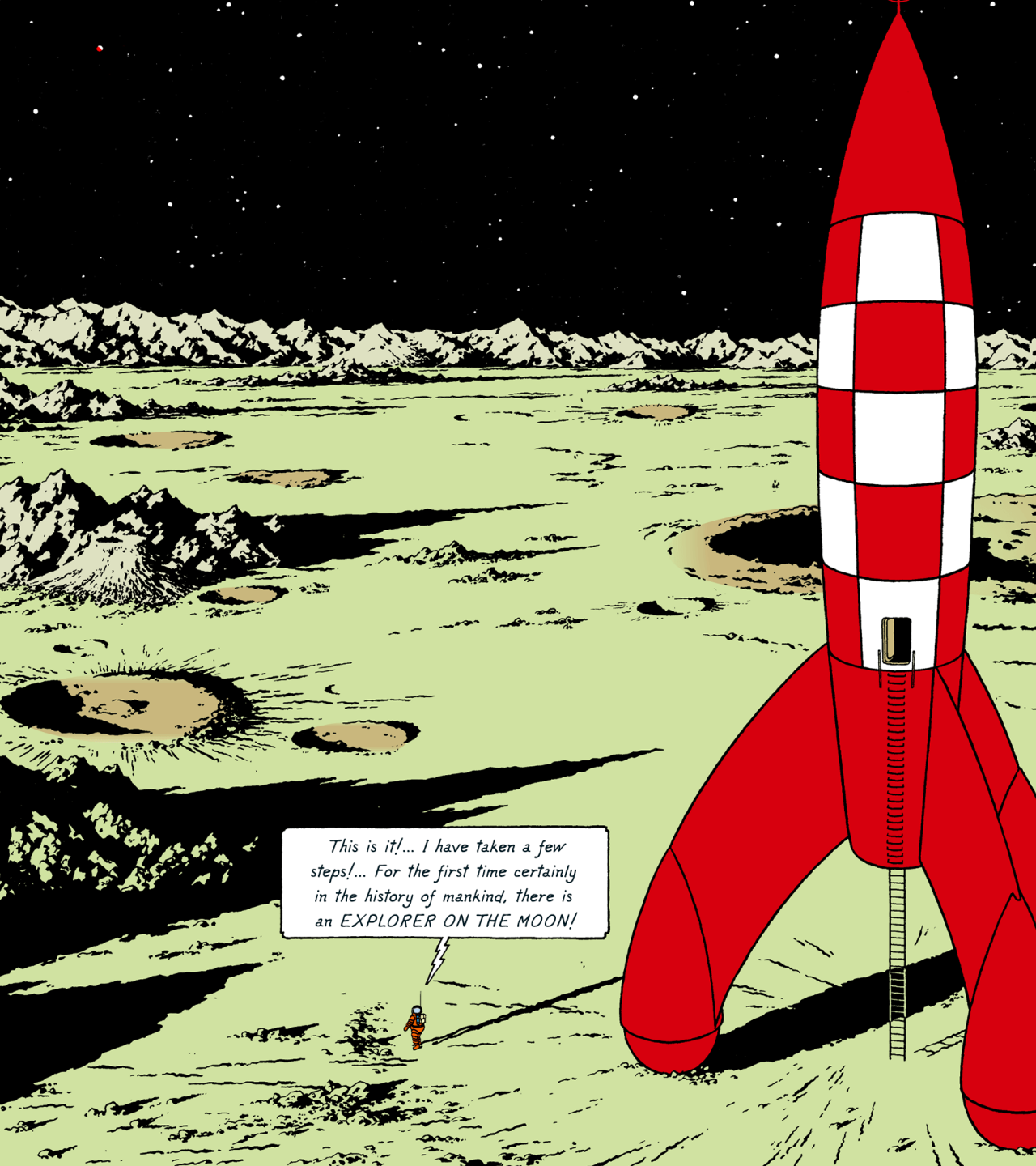




This is it!... I have taken a few steps!... For the first time certainly in the history of mankind, there is an EXPLORER ON THE MOON!

WEEKLY

Space News

Launches

Innovations

Research

Events

And more...

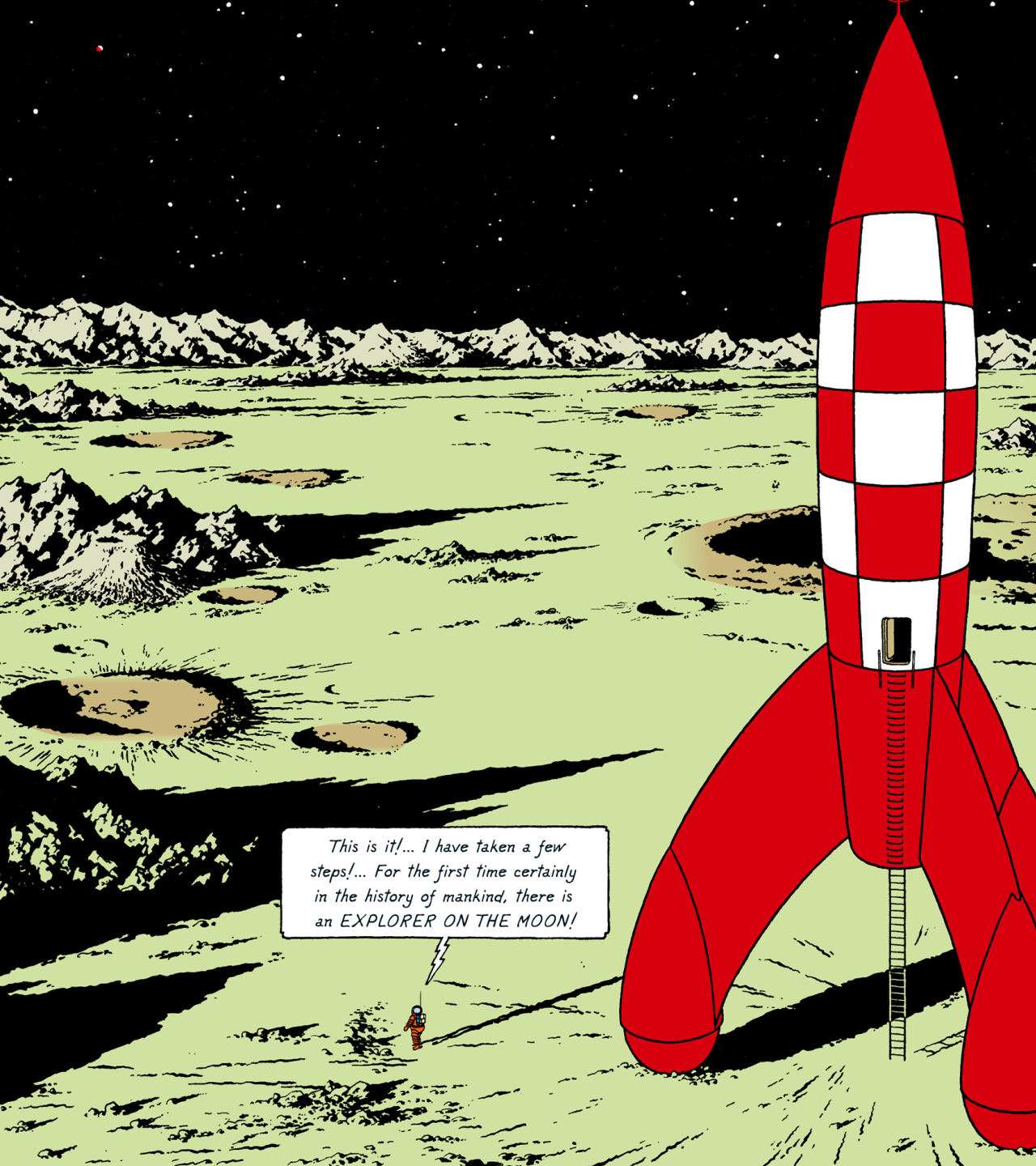
02/12/2024

First: Small class announcement

- Reminder: **Draft paper submission by 15 Dec**
 - Why submit? To get feedback on your paper before final submission
 - Is it mandatory? No, but highly recommended!
 - What should be inside? As much as possible. Up to you.
 - Suggestion:
 - General template followed
 - Finished: Abstract
 - Draft: Introduction, literature review, methodology, results, discussion & conclusion, future work
 - Citations: Add most in the paper, with the proper format.
 - When (sub)sections or paragraphs are missing: feel free to indicate with bullet points or a text box what you will write → Enables us to still give feedback.

First: Small class announcement

- Grading rubric for the paper coming this week
- In the meantime:
 - What should be in the paper?
 - All the Expected Content in the MDR Rubric, except for the ones from “Presentation Skills”
 - Additionally: Alternative conceptual solutions and a few words on the Spacecraft subsystems.
 - Note: there are limited nr of pages...
 - How will the Scientific writing be evaluated?
 - Three “Expected Content” items: Structure, Respect of paper guidelines and Citation & quality of citations.
 - Note: might change slightly. See the latest rubric on Moodle (when published).



This is it!... I have taken a few steps!... For the first time certainly in the history of mankind, there is an EXPLORER ON THE MOON!

WEEKLY

Space News

Launches

Innovations

Research

Events

And more...

02/12/2024

Q

BBC

Register

Sign In

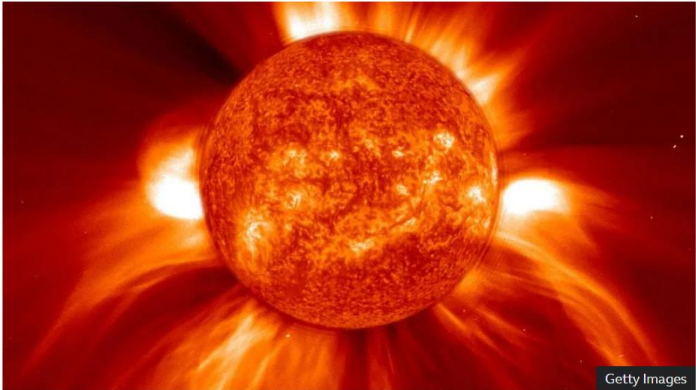
Why India's latest Sun mission finding is crucial for the world

6 days ago

Share

Save

Geeta Pandey
BBC News, Delhi • @geetapandeybbc



Getty Images

The Sun is the largest object in our solar system and essential to our survival

Scientists in India have reported the “first significant result” from Aditya-L1, the country’s first solar observation mission in space.

The new learnings, they said, could help keep power grids and communication satellites out of harm's way the next time solar activities threatened infrastructure on Earth and space.

<https://www.bbc.com/news/articles/c0qdy5dg7v7o>

Original scientific article:

www.doi.org/10.3847/2041-8213/ad8c45

SPACENEWS

35 YEARS

Better data, innovation and regulation needed to tackle growing space debris threat

Andrew Jones November 24, 2024



Left to right: Moderator Isabelle Mierau of Space Debris DAO, Andrew Faiola of Astroscale, Stela Tkatchova of EIC, Thomas Eggenweiler of Neuraspace and Juan Carlos Dolado Perez of Look Up Space during a panel discussion, Nov. 20, 2024. Credit: SpaceNews/Andrew Jones

HELSINKI — Managing the growing threat of space debris requires greater urgency, with improved sensor capability, filling data gaps, economic incentives and new technologies all needed, according to a

<https://spacenews.com/better-data-innovation-and-regulation-needed-to-tackle-growing-space-debris-threat/>

Date	Object Name	COSPAR ID	Estimated Number of Fragments
June 26, 2024	Resurs-P No.1	2013-030A	100+
July 4, 2024	Long March 6A upper stage	2024-126C	Unknown
August 6, 2024	Long March 6A upper stage	2024-140U	700-900
September 6, 2024	Atlas V Centaur upper stage	2018-022B	40+
October 19, 2024	Intelsat 33e	2016-053B	~500

Major orbital fragmentation events since June 2024.

ESA and JAXA sign statement on expanding deep space cooperation

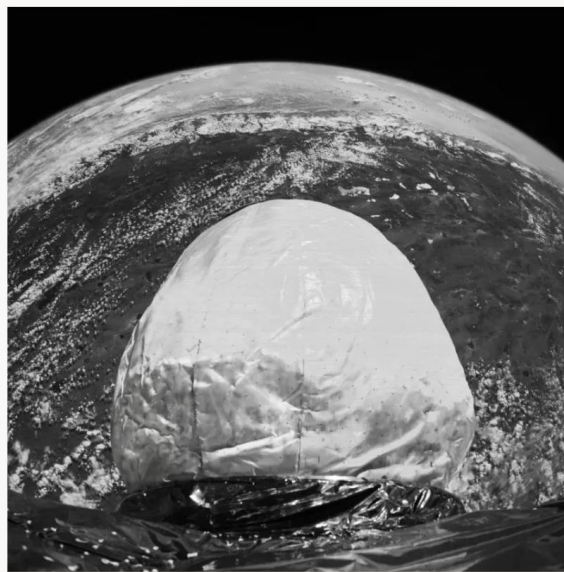


BREMEN, Germany — The European and Japanese space agencies have issued a joint statement on furthering cooperation on planetary defense, the moon, Mars and beyond.

<https://spacenews.com/esa-and-jaxa-sign-statement-on-expanding-deep-space-cooperation/>

China quietly tested its first inflatable space module in orbit

Andrew Jones November 22, 2024



An onboard view of the inflatable module tested aboard the Shijian-19 spacecraft. Credit: CAST

<https://spacenews.com/china-quietly-tested-its-first-inflatable-space-module-in-orbit/>



Russia Offers to Build Spaceports in Africa

November 27, 2024 | In News | By Samuel Nyangi



The Vostochny Cosmodrome Spaceport in Russia. Source: Roscosmos

The head of the Russian state space corporation Roscosmos, Yuri Borisov, announced that Russia is proposing to construct spaceports in "friendly" nations, including African countries like Algeria, South Africa, Zimbabwe, and others, as first reported by [Sputnik](#). Additionally, Yuri added that these proposals are especially relevant to countries closer to

<https://spaceinafrica.com/2024/11/27/russia-offers-to-build-spaceports-in-africa/>



Uganda Urged to Seek Legal Action Against SpaceX Over Satellite Debris Incident

November 15, 2024 | In News | By Samuel Nyang'



Parts of the satellite debris that impacted parts of Western Uganda. Source: Business Insider Africa

In May 2023, space debris from a U.S.-based SpaceX satellite launch fell across parts of western Uganda, scattering across the Kyegegwa, Sembabule, and Kyenjojo districts. The debris, which caused property damage over a 40-kilometre area, was analysed in a forensic report released by the National Forensic Sciences University Uganda (NFSU).

<https://spaceinafrica.com/2024/11/15/uganda-urged-to-seek-legal-action-against-spacex-over-satellite-debris-incident/>