

## Références bibliographiques

- [1] <https://www.geospatialworld.net/blogs/how-many-satellites-are-orbiting-the-earth-in-2021/>
- [2] <https://www.futura-sciences.com/sciences/questions-reponses/satellite-satellites-tournent-autour-terre-7065/>
- [3] <https://www.pourlascience.fr/sd/astrophysique/starlink-un-cauchemar-pour-les-astronomes-18885.php>
- [4] <https://www.iau.org/news/announcements/detail/ann19035/>
- [5] <https://www.iau.org/news/pressreleases/detail/iau2001/>
- [6] [https://www.aanda.org/articles/aa/full\\_html/2020/05/aa37958-20/aa37958-20.html](https://www.aanda.org/articles/aa/full_html/2020/05/aa37958-20/aa37958-20.html)
- [7] <https://www.space.com/spacex-starlink-satellites-sunshades.html>
- [8] <https://iopscience.iop.org/article/10.3847/2515-5172/abc0e9>
- [9] <https://academic.oup.com/mnras/article/504/1/L40/6188393>
- [10] <https://www.forbes.com/sites/startswithabang/2021/07/22/how-to-save-the-night-sky-from-satellite-megaconstellations/>
- [11] <https://www.futura-sciences.com/sciences/breves/espace-japon-lance-satellites-creer-pluie-etoiles-filantes-artificielle-341/>
- [12] <https://www.numerama.com/sciences/396262-cette-startup-veut-faire-tomber-des-pluies-detoiles-filantes-artificielles.html>
- [13] <https://trustmyscience.com/pepsi-renonce-projet-campagne-publicitaire-orbitale/>
- [14] <http://ast.noao.edu/system/tsip/more-info/time-calc-keck>
- [15] [https://www.esa.int/Space\\_in\\_Member\\_States/France/Point\\_de\\_situation\\_sur\\_les\\_debris\\_spatiaux](https://www.esa.int/Space_in_Member_States/France/Point_de_situation_sur_les_debris_spatiaux)
- [16] <https://www.franceculture.fr/sciences/le-syndrome-de-kessler-pieges-sur-terre>
- [17] <https://www.nanosats.eu/>
- [18] <https://www.factoriesinspace.com/>

- [19] [https://read.oecd-ilibrary.org/science-and-technology/space-sustainability\\_a339de43-en#](https://read.oecd-ilibrary.org/science-and-technology/space-sustainability_a339de43-en#)
- [20] <https://theconversation.com/les-cubesats-un-exemple-dinnovation-low-cost-dans-lindustrie-spatiale-129375>
- [23] [NASA](#) (États-Unis) : *Safety Standard NSS-1740.14 - Guidelines and Assessment Procedures for Limiting Orbital Debris* (1995)
- [24] [NASDA](#) (Japon) : *Space Debris Mitigation Standard NASDA-STD-18* (1996)
- [25] [CNES](#) (France) : CNES Standards Collection, Method and Procedure Space Debris – Safety Requirements (RNC-CNES-Q40-512) (1999)
- [26] [Agence spatiale européenne](#) : *European code of conduct for space debris mitigation issue* (2004).
- [27] <https://docushare.lsst.org/docushare/dsweb/Get/Document-13936>
- [28] <https://www.itu.int/en/ITU-R/conferences/wrc/2019/Pages/default.aspx>
- [29] <https://ofb.gouv.fr/actualites/la-decouverte-de-la-trame-noire>
- [30] [https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2020/2020\\_dark\\_skies.html](https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2020/2020_dark_skies.html)
- [31] <https://www.capital.fr/entreprises-marches/spacex-veut-diffuser-des-publicites-dans-lespace-1411715>
- [32] <https://www.lefigaro.fr/sciences/2008/11/19/01008-20081119ARTFIG00580-une-astronaute-perd-sa-boite-a-outil-dans-l-espace-.php>
- [33] <https://www.aerosociety.com/news/space-debris-the-legal-issues/>
- [34] <https://www.legifrance.gouv.fr/loda/id/JORFTEXT000018931380/>
- [35] <https://blogs.esa.int/cleanspace/2019/10/22/a-new-method-to-reduce-the-casualty-risks-of-space-debris-during-re-entry/>
- [36] <https://www.sciencedirect.com/science/article/abs/pii/S0265964618300110>
- [37] <https://blogs.esa.int/cleanspace/2021/06/16/demising-a-sadm-in-theory-and-practice/>

[38] [https://www.esa.int/Safety\\_Security/Clean\\_Space/ESA\\_commissions\\_world\\_s\\_first\\_space\\_debris\\_removal](https://www.esa.int/Safety_Security/Clean_Space/ESA_commissions_world_s_first_space_debris_removal)

[39] <https://clearspace.today/>

[40] <https://theconversation.com/its-not-how-big-your-laser-is-its-how-you-use-it-space-law-is-an-important-part-of-the-fight-against-space-debris-158790>

[41] <https://www.surrey.ac.uk/surrey-space-centre/missions/removedebris>

<https://planet4589.org/space/stats/star/starstats.html>

[https://www.sdo.esoc.esa.int/environment\\_report/Space\\_Environment\\_Report\\_latest.pdf](https://www.sdo.esoc.esa.int/environment_report/Space_Environment_Report_latest.pdf)

[https://www.esa.int/Space\\_in\\_Member\\_States/France/Point\\_de\\_situation\\_sur\\_les\\_debris\\_spatiaux](https://www.esa.int/Space_in_Member_States/France/Point_de_situation_sur_les_debris_spatiaux)

[https://www.esa.int/Safety\\_Security/Clean\\_Space/ESA\\_commissions\\_world\\_s\\_first\\_space\\_debris\\_removal](https://www.esa.int/Safety_Security/Clean_Space/ESA_commissions_world_s_first_space_debris_removal)

<https://blogs.esa.int/clearspace/2021/06/16/demising-a-sadm-in-theory-and-practice/>

<https://www.usinenouvelle.com/article/l-europe-aura-un-lanceur-reutilisable-en-2030-au-plus-tot.N1040684>

<https://arianeworks.cnes.fr/fr/lanceurs-arianeworks-des-etudes-aux-premiers-essais>

<https://www.connectbycnes.fr/space-tour-2021>

<https://business.esa.int/funding/intended-tender/urban-green>

<https://www.connectbycnes.fr/acces-aux-donnees-spatiales>

[https://fr.wikipedia.org/wiki/D%C3%A9bris\\_spatial](https://fr.wikipedia.org/wiki/D%C3%A9bris_spatial)

<https://www.nextinpact.com/article/46520/astrocale-elsa-d-camion-poubelle-lespace-est-en-orbite>

<https://www.space.com/esa-startup-clearspace-debris-removal-2025>

<https://theconversation.com/its-not-how-big-your-laser-is-its-how-you-use-it-space-law-is-an-important-part-of-the-fight-against-space-debris-158790>

<https://aerospace.org/sites/default/files/2021-01/adr%20paper.pdf>

<https://www.sciencedirect.com/science/article/abs/pii/S0265964618300110>

[https://fr.wikipedia.org/wiki/Applications\\_des\\_satellites#Services\\_commerciau](https://fr.wikipedia.org/wiki/Applications_des_satellites#Services_commerciau)