# **Women and Girls in Astronomy -**

# **Proposed content for 2022 edition**

From **February 11 to March 8, the OAO** promotes the inclusive advancement of astronomy by highlighting the importance of gender inclusivity and best practices, fomenting the uptake of astronomy by girls and non-binary folks, and highlighting the contributions of women and non-binary folks to astronomy. The dates are chosen to coincide with the **International Day of Women and Girls in Science (11 February) and International Women’s Day (8 March).**

For the 2022 edition of Women and Girls in Astronomy (WAGIA), the OAO looked to the findings of the “Gender Gap in Science - A Global Approach to the Gender Gap in Mathematical, Computing and Natural Sciences” project as a guide for the development of digital content for social media and in support of NOCs’ events. As an outreach organisation, the OAO aimed to develop outputs that address UNESCO’s STI Gender Objectives List 1: **Change perceptions, attitudes, behaviours, social norms and stereotypes towards women in STEM in society.** (http://uis.unesco.org/sites/default/files/documents/saga-sti-objectives-list-wp1-2016-en.pdf)

1. **Short Videos profiles**

Short videos (max 2 min) made by female-identifying and non-binary astronomers to introduce themselves, their career, their passions, etc. The videos aim to promote the visibility of women with STEM qualifications (STI GOL 1.2) and “Promote S&E vocations to girls and young women, including by stimulating interest, fostering in-depth knowledge about S&E career issues, and presenting role models” (STI GOL 2.1). The key to this action is variety: as many and diverse role models as possible. When creating playlists and showcasing the videos, OAO aims to highlight diversity, intercalating astronomers in different stages of their careers, with different gender identities, from different ethnicities, etc.

**Some ideas of topics**

* Name
* Job title
* Current location
* Interests and hobbies
* Careers highlights - *what you are proud of*
* How does their work contribute to addressing grand societal challenges
* Day-to-day work, including team, challenges, the reality of the job, etc.
* ​​What are their female role models in Astronomy?
* Challenges do they face as a woman in astronomy & how do you address them
* How they can (or do) contribute to changing their workplace (in relation to gender discrimination)
* What would they say to 16-year-old self to encourage them to pursue a career in astronomy
* What do they do or can do to communicate more astronomy to the world
* If they do astronomy outreach: why, why it is important, how did they start working with outreach.

**What to remember when making the video**: The objective it’s to address stereotypes and serve as an illustration that there are as many types of astronomers as there are individuals. You don't need to be a star trek fan to be an astronomer, but you also could be. It’s important to show the reality of being an astronomer, with all the ups and downs, including issues faced by female-identifying and non-binary astronomers.

Short self-made videos featuring male-identifying IAU astronomers

Short videos (max 2 min) made by male-identifying and non-binary astronomers highlighting their commitment and the importance of gender inclusion in astronomy. Goal: “Mainstream gender perspectives in science communication and informal and non-formal STEM education activities, including in science centres and museums”. (STI GOL 1.3). It’s important to showcase diversity in the videos and highlight people in positions of power.

**Some ideas of topics**

* Why is gender inclusion important?
* Small actions in your daily professional life
* How can people get involved?
* How can you be better?

### Highlighting “historical” female-identifying astronomers

These posts aim to promote the contributions of women to the history of astronomy. OAO will share 26 posts (**one for each day- 11 febr-8 martie**) showcasing astronomers from different time periods and countries. OAO will also invite NOCs (and all) to send suggestions from their countries and if they wish to produce their own, OAO will provide a template for posts. The idea is to showcase only deceased astronomers as we wish to engage live ones in different manners.

**Preliminary Suggested Names:**

1. [Hypatia](https://en.wikipedia.org/wiki/Hypatia) (c. 350–370 to 415), Hellenistic
2. [Queen Seondeok of Silla](https://en.wikipedia.org/wiki/Queen_Seondeok_of_Silla) (c.595~610 – 647, Korea
3. [Al-ʻIjliyyah](https://en.wikipedia.org/wiki/Al-%CA%BBIjliyyah) (c. 10th-century), Syrian
4. [Sophia Brahe](https://en.wikipedia.org/wiki/Sophia_Brahe) (c. 1559 to 1643), Danish
5. [Maria Cunitz](https://en.wikipedia.org/wiki/Maria_Cunitz) (1610–1664), Silesian
6. [Elisabeth Hevelius](https://en.wikipedia.org/wiki/Elisabeth_Hevelius) (1647–1693), Polish
7. [Maria Margarethe Kirch](https://en.wikipedia.org/wiki/Maria_Margarethe_Kirch) (1670–1720), German
8. [Jeanne Dumée](https://en.wikipedia.org/wiki/Jeanne_Dum%C3%A9e) (1660–1706), French
9. [Caroline Herschel](https://en.wikipedia.org/wiki/Caroline_Herschel) (1750–1848), German
10. [Wang Zhenyi](https://en.wikipedia.org/wiki/Wang_Zhenyi_(astronomer)) (1768–1797), Chinese
11. [Mary Somerville](https://en.wikipedia.org/wiki/Mary_Somerville) (1780–1872), Scottish
12. [Maria Mitchell](https://en.wikipedia.org/wiki/Maria_Mitchell) (1818–1889), American
13. [Williamina Fleming](https://en.wikipedia.org/wiki/Williamina_Fleming) (1857–1911), Scottish
14. [Annie Russell Maunder](https://en.wikipedia.org/wiki/Annie_Russell_Maunder) (1868–1947), Northern Irish
15. [Henrietta Swan Leavitt](https://en.wikipedia.org/wiki/Henrietta_Swan_Leavitt) (1868–1921), American
16. [Vibert Douglas](https://en.wikipedia.org/wiki/Vibert_Douglas) (1894 – 1988), Canadian
17. [Cecilia Helena Payne-Gaposchkin](https://en.wikipedia.org/wiki/Cecilia_Payne-Gaposchkin) (1900 - 1979) British- American
18. [Paris Pişmiş](https://en.wikipedia.org/wiki/Paris_Pi%C5%9Fmi%C5%9F) (1911–1999), Armenian-Mexican
19. [Ruby Violet Payne-Scott](https://en.wikipedia.org/wiki/Ruby_Payne-Scott) (1912 – 25), Australian
20. [Liisi Oterma](https://en.wikipedia.org/wiki/Liisi_Oterma) (1915–2001), Finnish
21. [Katherine Johnson](https://en.wikipedia.org/wiki/Katherine_Johnson) (1918 – 2020) American mathematician
22. [Margaret Burbidge](https://en.wikipedia.org/wiki/Margaret_Burbidge) (1919 – 2020) British
23. [Alenush Terian](https://en.wikipedia.org/wiki/Alenush_Terian) (1921–2011), Iranian-Armenian
24. [María Luisa Aguilar Hurtado](https://en.wikipedia.org/wiki/Mar%C3%ADa_Luisa_Aguilar) (1938–2015), Peruvian
25. [Beatrice Tinsley](https://en.wikipedia.org/wiki/Beatrice_Tinsley) (1941–1981), British-born New Zealand
26. [Vera Rubin](https://en.wikipedia.org/wiki/Vera_Rubin) (1928–2016), American

**Other names:**

* [Aglaonike](https://en.wikipedia.org/wiki/Aglaonike) (c. 1st or 2nd Century BCE)
* [Nicole-Reine Lepaute](https://en.wikipedia.org/wiki/Nicole-Reine_Lepaute) (1723–1788), French
* [Marie-Jeanne de Lalande](https://fr.wikipedia.org/wiki/Marie-Jeanne_de_Lalande) (1768–1832), French
* [Caterina Scarpellini](https://en.wikipedia.org/wiki/Caterina_Scarpellini) (1808–1873), Italian
* [Mary Adela Blagg](https://en.wikipedia.org/wiki/Mary_Adela_Blagg) (1858–1944), English
* [Dorothea Klumpke](https://en.wikipedia.org/wiki/Dorothea_Klumpke) (1861–1942), American
* [Annie Jump Cannon](https://en.wikipedia.org/wiki/Annie_Jump_Cannon) (1863 – 1941), American
* [Florence Taylor Hildred](https://en.wikipedia.org/wiki/Florence_Taylor_Hildred) (1865–1932), English
* [Antonia Maury](https://en.wikipedia.org/wiki/Antonia_Maury) (1866–1952), American
* [Caroline Furness](https://en.wikipedia.org/wiki/Caroline_Furness) (1869–1936), American
* [Rosina Dafter](https://en.wikipedia.org/wiki/Rosina_Dafter) (1875–1959), Australian
* [Margaret Harwood](https://en.wikipedia.org/wiki/Margaret_Harwood) (1885–1979)
* [Louise Freeland Jenkins](https://en.wikipedia.org/wiki/Louise_Freeland_Jenkins) (1888–1970), American
* [Pelageya Shajn](https://en.wikipedia.org/wiki/Pelageya_Shajn) (1894–1956), Russian
* [Vera Fedorovna Gaze](https://en.wikipedia.org/wiki/Vera_Fedorovna_Gaze) (1899–1954), Russian
* [Helen Sawyer Hogg](https://en.wikipedia.org/wiki/Helen_Sawyer_Hogg) (1905 – 1993), American-Canadian
* [Nüzhet Gökdoğan](https://en.wikipedia.org/wiki/N%C3%BCzhet_G%C3%B6kdo%C4%9Fan) (1910–2003), Turkish
* [Ruby Payne-Scott](https://en.wikipedia.org/wiki/Ruby_Payne-Scott) (1912–1981), Australian
* [Edith Alice Müller](https://en.wikipedia.org/wiki/Edith_Alice_M%C3%BCller) (1918 –1995) Swiss
* [Nancy Roman](https://en.wikipedia.org/wiki/Nancy_Roman) (1925–2018), American
* [Annie Jean Easley](https://en.wikipedia.org/wiki/Annie_Easley) (1933 – 2011) American (rocket scientist)
* [Janet Akyüz Mattei](https://en.wikipedia.org/wiki/Janet_Aky%C3%BCz_Mattei) (1943–2004), Turkish-American

1. **Draw an Astronomer Contest**

As part of the Women and Girls in Astronomy project, IAU Executive Committee Working Group Women in Astronomy and the Office for Astronomy Outreach invites kids up to the age of 12 to participate in the Draw an Astronomer Contest for a chance to win a telescope and share their creativity with the world!

IT aims to “Promote awareness of and overcome non-conscious and cultural gender biases widely expressed as gender stereotypes, among scientists, educators, policy-makers, research organizations, the media, and the public at large.” (STI GOL 1.1).

[Draw an Astronomer](https://docs.google.com/document/d/1ek755vMabaaQSlqp78xZGvzqDh1MAostimFLd9TUvv4/edit)

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