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Nebula, The birthplace of Open Science stars: NASA᾽s open science 101 curriculum

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ABSTRACT

We present a new cohort-based training program by **OLS** (formerly Open Life Science). OLS is a non-profit organisation dedicated to capacity building and diversifying leadership in research worldwide (https://we-are-ols.org/). Since 2020, we have trained 380+ participants across 50+ countries in Open Science practices, with the help of 300+ mentors and experts.

The Nebula program, a collaboration between OLS and the National Aeronautics and Space Administration (NASA), is a **six-week intensive course**, covering topics including open data, open code, open access publishing, and collaborative research tools. The training is targeted at individuals or teams interested in integrating best practices for open and reproducible research in new or ongoing projects. It is designed to be informative regardless of prior experience with open science. In our first year, participants have joined from 28 countries, from interdisciplinary domains and diverse career backgrounds: undergraduates to senior scientists and policy makers.

The sessions, designed for accessibility, are delivered in English with automatic live captions, and recordings with corrected captions are made available after the calls. Participants receive personalised feedback on their work from an expert.

By participating in this training program, researchers gain:

- A comprehensive understanding of open science principles and best practices.
- The ability to identify and utilise open science tools and resources.
- The skills necessary to effectively collaborate with other researchers in a transparent manner.

Nebula has the potential to significantly promote the adoption of open science practices within the research community, by encouraging a culture of collaboration and transparency.

I want to participate in the youngRSE prize

yes

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