Contribution ID: **135** Type: **Oral Presentation**

O04 - AI-Assisted Astronomy Outreach

Monday, 23 November 2026 11:15 (15 minutes)

Astronomy communicators are expected to create articles, social media posts, videos, podcasts, and educational materials for different audiences, often while working in small teams with limited time and resources. Artificial intelligence (AI) offers new ways to support this work, but it also brings new challenges, especially in multilingual settings where scientific terminology and local context matter.

This presentation explores how AI can be used as a communication assistant rather than a replacement for people. It can help summarize scientific papers, adapt content for different platforms, draft scripts, improve readability, and generate ideas for educational materials, making it easier for small outreach teams to create content in a variety of formats.

At the same time, AI has clear limitations. It may translate scientific concepts too literally, use inconsistent astronomy terminology, or lose important meaning when adapting content into Bahasa Indonesia and other regional languages. It can also oversimplify research or produce scientifically inaccurate information. These are reminders that AI-generated content should always be checked before it is shared with the public.

The presentation introduces a practical workflow in which AI supports routine tasks while communicators remain responsible for choosing reliable sources, checking scientific accuracy, using consistent terminology, and making the final editorial decisions. Drawing on practical experience from independent astronomy outreach projects in Indonesia, the talk shares lessons that can be adapted by planetariums, astronomy clubs, educators, and outreach organizations across Southeast Asia. The goal is not to replace people with AI, but to show how AI can help small teams communicate astronomy more efficiently while maintaining accuracy, local relevance, and audience trust.

Primary author: YAMANI, Avivah (langitselatan)

Presenter: YAMANI, Avivah (langitselatan)

Session Classification: Contributor Session

Track Classification: Communicating Astronomy with the Public