

TROP ICSU NEWSLETTER

BY THE TEACHERS, FOR THE TEACHERS



TROP ICSU Workshop for Teachers in New Delhi, India

The first TROP ICSU workshop for teachers was held in collaboration with Sri Venkateswara College (University of Delhi), New Delhi, India, from October 13-14, 2018. The objective of the workshop was to introduce the participants to digital teaching resources for teaching topics in the Sciences, Mathematics, Social Sciences, and Humanities using climate-related examples, case studies, and activities.

In addition, participants would be invited to review the educational resources of the TROP ICSU project and to provide their feedback on the appropriateness and ease-of-use of the teaching tools and lesson plans. 80 undergraduate-level teachers participated in the workshop.

In the interactive workshop, participants attended a few plenary sessions for an overview of the TROP ICSU project and its teaching resources. Then, the teachers/educators worked in groups (in computer labs) to carry out hands-on activities using various teaching tools and lesson plans from the TROP ICSU website. They provided review comments about the teaching resources (via an online review form) to help in further enhancing the quality and effectiveness of the content.

Further, participants worked in discipline-based groups to develop new lesson plan ideas to teach topics in their discipline using climate-related examples. The workshop concluded with presentations on the new lesson plan frameworks and ideas and an open discussion on continued engagement and collaboration with the TROP ICSU project.



Overall, the participants were very enthusiastic to learn about the usage of the digital teaching resources in the classroom and to integrate climate science/climate change-related topics in their existing curriculum. They were also very eager to create new lesson plans; each group created a framework for one new lesson plan for their discipline.



To summarize the feedback received on the Lesson Plans (LP) from the TROP ICSU website,

- Explaining the topic(s) in the discipline: Approximately 72% of the participants responded that the reviewed Lesson Plan was very effective or moderately effective in explaining the topic in the discipline.
- Approximately 82% of the participants responded that the reviewed Lesson Plan was very effective or moderately effective in integrating the discipline topic(s) with climate science.
- Approximately 94% of the participants indicated that they would use the lesson plan in their classroom as is or with some modifications.
- Detailed results for the Lesson Plan reviews are provided in Appendix II: Review of Lesson Plans by Participants.

To summarize the feedback received on the teaching tools,

- Explaining the topic(s) in the discipline: Approximately 94% of the teachers thought that the reviewed tool was very effective or moderately effective in explaining the topic(s) in the discipline.
- Describing the tool: Approximately 81% of the participants thought that the tool description adequately shows how the discipline topic can be taught using a climate-related example, activity, or case study.
- Using the tool in the classroom: Approximately 96% of the teachers indicated that they would use the reviewed tool in their classroom as is or with some modifications.
- Detailed results for the teaching tool reviews are provided in Appendix III: Review of Teaching Tools by Participants.