

P23 - A new management of Big Science: Science and Technology, Sustainable Development Goals and the Leave No One Behind principle

10. TECHNOLOGY and INNOVATION POLICY

Martina Dal Molin¹ (martina.dalmolin@gssi.it)

Matteo Landoni² (matteo.landoni@unibs.it), Paolo Castelnovo³ (paolo.castelnovo@uninsubria.it)

¹ Gran Sasso Science Institute, Social Science Area, L'Aquila, Italy

² Dipartimento di Economia e Management, Università degli Studi di Brescia, Brescia, Italy

³ Dipartimento di Economia, Università degli Studi dell'Insubria, Varese, Italy

Track summary: In recent years growing attention was devoted to the contribution of science, research, entrepreneurial and innovation ecosystem in addressing social social grand Challenges (Block et al., 2021; Ferreira et al., 2023) and in achieving the UN Sustainable Development Goals (SDGs) (Allen et al., 2021; Chankseliani and McCowan, 2021; De Silva and Wright, 2019; Serafini et al., 2022).

This research track aims at investigating the role of Big Science, Higher Education, and, more in general, open science and research ecosystems (Johnson et al., 2023; Smart et al., 2019), in supporting the achievement of SDGs. Examples of possible research questions are:

- How to manage the process of collaboration between science-based institutions and industry to support SDGs and equal development?
- How to direct knowledge and technological transfer to underdeveloped and marginal areas?
- What is impact of the privatization/commercialization/corporatization of science on societies at large (i.e., citizens, education, environment, finance, politics)?
- Which are the barriers that hinder knowledge and technological transfer in certain sectors or technological domains?
- How to support the open-science paradigm in the light of the “Leave No One Behind” principle?
- Which methodologies and evaluation framework could be used/proposed to assess the contribution of science and research to the SDGs (e.g., social cost/benefit analysis,)?
- Which evidence-based policies could be designed to strengthen the role of science in achieving SDGs?