

Global Openness: Making Science a Public Good to Tackle Global Challenges*

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Abstract

Open Science is essential for addressing global challenges such as pandemics and the climate crisis. Open Access to over 85% of scientific outputs—including papers, data, methods, and software—on COVID-19 enabled scientists to develop vaccines in under a year, marking the fastest vaccine development in human history. In this presentation, I will first argue that knowledge/science is a public good, and thus the scientific process and its outputs should be accessible to all stakeholders. I will illustrate how existing intellectual property rights (IPR) hinder scientific progress and delay the resolution of global problems. Subsequently, I will define Open Science and outline its shared values and principles, along with key achievements and challenges. Finally, I will highlight the importance of changing the cultural paradigm to make Open Science the default mode of scientific practice. I will also provide a brief overview of the Open Science landscape in Turkey before concluding with key takeaways.

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