

The emotions and art of the societal impact of research

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Track proposal

The societal impact of research is the non-academic use of academic knowledge. It is increasingly guiding research and policy agendas and becoming a precondition for addressing societal challenges. Adapting to this change requires a better understanding of the emotional and affective links between researchers and their stakeholders. Researchers' motivations depend on their perceived impact on different stakeholders, which varies according to their organisational type and personality traits (Azagra-Caro and Llopis, 2018). Conversely, stakeholder support and a socially desirable personality enable researchers' emotional strategies to stay motivated (Tur-Porcar et al., 2021; Hernando-Jorge et al., 2021). The orientation of research towards societal impact increases the need for novel impact channels, like art and fiction (Azagra-Caro, Benito-Amat et al., 2022; Denia, 2020; Azagra-Caro, Fernández-Mesa et al., 2020). Coupled with this, novel approaches to the evaluation of impact are required, like the representations of research impact in popular culture (Azagra-Caro, González-Salmerón et al., 2021).

The objective of this track proposal is to call for full or early-stage research papers that investigate the relationship between the societal impact of researchers and their emotions, their use of art to achieve impact and its representations in popular culture.

- **Mental health of societal impact of research:** Do academic researchers with non-academic impact exhibit particular emotions, motivations or other psychological characteristics? Is it different according to the type of research stakeholder addressed? Do these researchers achieve higher satisfaction and well-being?

- **Societal impact of research *through* art:** To what extent is the use of literary fiction and other cultural and artistic activities linked to societal impact of research? What are the underlying mechanisms? Which kind of academic researchers achieve societal impact through science communication?
- **Societal impact of research *in* art.** Does the quest for impact in research appear in literature, films, and pictorial art? Do these depictions speak well about the role played by research with impact on solving societal problems? To what extent can these portraits generate evidence of societal impact of research?

Transversal questions along these three axes are encouraged. Different theoretical approaches from Innovation Studies are welcome to this track proposal (e.g. *academic engagement*, *productive interactions*, *quintuple helix model*, *transformative change*, *responsible research and innovation*, etc.). Contributions from other fields, like psychology of science or science communication also fit.

Keywords

University-industry interaction · Science-society links · Knowledge transfer · Academic engagement · Psychology of science · Public awareness of science · Science communication · Representations of science

References

- Azagra-Caro, J. M., & Llopis, O. (2018). Who do you care about? Scientists' personality traits and perceived impact on beneficiaries. *R&D Management*, 48(5), 566-579.
- Azagra-Caro, J. M., Benito-Amat, C., & Planells-Aleixandre, E. (2022). Academic artists' engagement and commercialisation. *The Journal of Technology Transfer*, <https://link.springer.com/article/10.1007/s10961-022-09940-2>.
- Azagra-Caro, J. M., Fernández-Mesa, A., & Robinson-García, N. (2020). 'Getting out of the closet': scientific authorship of literary fiction and knowledge transfer. *The Journal of Technology Transfer*, 45(1), 56-85.
- Azagra-Caro, J. M., González-Salmerón, L., & Marques, P. (2021). Fiction lagging behind or non-fiction defending the indefensible? University-industry (et al.) interaction in science fiction. *The Journal of Technology Transfer*, 46(6), 1889-1916.
- Denia, E. (2020). The impact of science communication on Twitter: The case of Neil deGrasse Tyson. *Comunicar*, 28(65), 21-30.
- Hernando-Jorge, L., Azagra-Caro, J.M., Fernández-Mesa, A., & Tur-Porcar, A.M. (2021). Personality and affects: Researchers with emotional intelligence, *INGENIO Working Papers*, 2021-03.
- Tur-Porcar, A., Salas-Valina, A., & Azagra-Caro, J.M. (2021). From emotion to motivation: the role of social support for researchers, *INGENIO Working Papers*, 2021-01.