

3rd sDiv working group meeting summary

“sTWIST” Theory and Workflows for Alien and Invasive Species Tracking 19.-23.09.2022

In-person participants

Eduardo Arlé (Tel Aviv University); Jonathan Belmaker (Tel Aviv University); Yehezkel Buba (Tel Aviv University); David Clarke (La Trobe University); Laura Fernandez (CIB/Univ Stellenbosch), Marie Vestergaard Henriksen (Norwegian Institute of Bioeconomy Research); Melodie McGeoch (La Trobe University); Carsten Meyer (iDiv); Arman Pili (Monash University); John Wilson (CIB/Univ Stellenbosch); Quentin Groom (Meise Botanic Garden)

Remote participants

Marten Winter (iDiv); Hanno Seebens (Senckenberg Biodiversity and Climate Research Centre); Joana Vicente (CIBIO / InBIO); Emili García-Berthou (GRECO/invasIBER); Richard Li (Yale University); Walter Jetz (Yale University)

Third meeting (hybrid): 19.-23.09.2022

The sTWIST group has had its third and final meeting in the week of 19th-23rd September 2022 to present and discuss progress on several team projects, work on three different publications stemming from the [McGeoch et al. \(2021\) preprint](#), and conduct a crucial stakeholder webinar.

The first two days were full of short relevant updates from various sTWIST colleagues as well as a summary of the status quo of the analyses and planned publications. sTWIST welcomed three early career researchers who have been involved in sTWIST work but not participated in an in-person meeting (Laura, Arman & Richard).

Some updates have been: Quentin Groom reported on a relevant newly funded project in which indicators and workflows will play an important role. John Wilson and Laura Fernández provided an update on indicator work in South Africa and how it is facilitating national reporting. Joana Vicente provided a final summary of the published sTWIST review paper ([Vicente et al. 2022](#)). Hanno Seebens mainly focused on a short introduction into his new highly relevant workflow and dataset DASCO ([Seebens & Kaplan 2022](#)). Hezi Buba and Jonathan Belmaker introduced the new methods behind the trend indicator, which need to correct for detection probability and recording effort.

On the 1st day, we had several discussions dedicated to the revised strategy on how we will publish the indicators. After intense discussions and many also strategic considerations, we decided that the trend indicator has to be an own publication and that the impact and risk indicator will together with the knowledge indicator also be in an individual publication. Especially the impact indicator is novel and needs more explanation and space. The main paper (bringing all three indicators together) will be now a short and concise opinionated paper. We identified leaders and teams responsible for the different studies.

On our 2nd day and 1st half of the 3rd day, we mainly discussed the stakeholder survey outcomes and prepared in small teams the different presentations for the stakeholder session. We discussed a detailed agenda, revised and harmonized the different short presentations.

On the 2nd half of the 3rd day the team conducted a successful stakeholder meeting attended by 19 stakeholder participants from a range of national and intergovernmental agencies (e.g. CBD, GEO BON, European Commission, UNEP, IUCN, Map of Life, national stakeholders from Belgium, Spain & Germany). At the start of the meeting we all provided short introductions into sTWIST indicators and very interesting discussions were had with the stakeholders while addressing their questions and comments. In general we got positive feedback and will send out a short summary and the presentation slides to the participants.

On the 4th day the future of sTWIST was discussed and several potential future funding routes (e.g. Biodiversa, EU Horizon, EU Cost Action) were highlighted to continue sTWIST research. We also made huge progress in revising

the publications and worked on a new draft for the main/opinionated paper, which is the summary of our indicators. We developed new conceptual figures and tables.

On the last day we had updates on the state of each manuscript and options for conceptual figures and tables were discussed. Timelines were defined for manuscripts to be circulated for input and to be submitted by the end of the year.

The technology worked perfect for the hybrid setting and the stakeholder meeting. The sDiv support was as always great. Several sTWIST'ers supported the hybrid meeting with writing notes, checking the Zoom interactions and helped the PI with various organizational tasks. We had a lot of fun in the evenings. Thanks again to Doreen and the helping sDiv hands.

