General description

The 5th TBI symposium took place online at the 10th of march. There were two plenary lectures and 10 elevator pitch videos: Roey Angel, Janna Barel, Davide De Battisti, Sarah Duddigan, Guusje Koorneef, Luise Ohmann, Matteo Petit Bon, Taru Sandén, Adriano Sofo, TeaTales project. About 60 people participated during the day.

PROGRAM

TBI studio Livestream

15:00   *Drop-in and welcome* Taru and Judith

15:30   *"The Tea Bag Index, Teatime around the world!?"* by Taru and Judith

Summary: Nearly 10 years after the publication of the method, teabags have become well integrated in many scientific fields, and our database is taking huge proportions. In this lecture we will shortly explain the efforts so far and show the insights that it has given us about global decomposition patterns. We will also discuss the involvement of citizen scientists.

16:00   *"Soil carbon in the climate system: modelling challenges and opportunities"* Keynote lecture by Chris Jones

Summary: Globally, soils hold a lot of carbon – more than double the amount I the atmosphere. Land ecosystems absorb a significant fraction of human CO2 emissions, helping to slow the pace of climate change – this carbon is stored in above ground biomass and also as organic matter in soils. Knowing how this will change in the future – as climate affects plant growth and soil decomposition processes – is vital for planning how we plan emissions reductions to meet global climate goals. In this talk I will outline how climate models represent the carbon cycle with a focus on soil biogeochemistry, and how this has developed over recent generations of IPCC report, but seemingly without huge

advances in the modelled ability to represent real-world carbon stores. I will outline challenges for the modelling and the role for observational studies to inform future research directions.

17:00 Break Time to refill your tea cup!

Breakout rooms

17:10 Discussion groups and meeting with elevator pitch presenters.
17:50 Wrap-up and closing in the 'Tea Bag Index breakout room'