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## Pathways to a sustainable, inclusive and healthy food system

**Franziska Gaupp**<sup>1,2</sup>

<sup>1</sup>EAT, Oslo, Norway (franziska@eatforum.org)

<sup>2</sup>PIK, Potsdam, Germany

Currently, the global food system is the single largest threat to people and planet. Food is the leading cause behind transgressing five of the nine planetary boundaries. It is a major source of carbon emissions, as well as the single largest contributor to global deforestation, overuse of fresh water and eutrophication of our aquatic ecosystems. And while agriculture has been a major engine of poverty reduction, agricultural activities are unable to deliver a decent livelihood for an estimated 80 percent of those living in extreme poverty. The projected increase in frequency and severity of climate extreme events is posing additional threats to the global food system.

A transformation towards a more inclusive, sustainable and health-promoting food system is urgently needed. This presentation will introduce the newly established Food Systems Economics Commission (FSEC) that provides detailed and robust evidence assessing the implications of the policy and investment decisions needed to foster a food system transformation. It integrates global modelling tools such as integrated assessment modelling and innovative applications of agent-based modelling with political economy considerations. It investigates the hidden costs of our current food system, explores transitions pathways towards a new food and land use economy and suggests key policy instruments to foster the transformation towards a sustainable, inclusive, healthy and resilient food system.