

WHEP Open seminar



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CCHS - SALA 3F MANUEL DE TERÁN
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ONLINE



Three decades of nitrogen dynamics in European agri-food systems: key patterns and implications for sustainable transitions

European agri-food systems face the challenge of reducing nitrogen losses while maintaining agricultural biomass production for food and non-food uses. Understanding long-term structural changes is key to addressing this issue. This presentation examines the trajectories of agri-food systems across 120 European regions between 1990 and 2019 using the GRAFS framework, revealing increasing specialization, greater reliance on external inputs, and strong path-dependency effects. It then investigates the drivers of yield changes over time, between fertilization levels, climate variability, and other techniques and management practices and finally outlines an approach to project future yields under contrasting climate and agricultural production scenarios



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