



# CLAUDIU EDUARD NEDELCIU

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## ADAPTECONII - PROJECT 3

### ADAPTECONII RESEARCH FOCUS

Eduard's role in the AdaptEconII project is to assess and model the global supply of food for a growing world population. In doing so, he primarily analyzes the current and future phosphorus stocks for fertilizers in agriculture by looking at P consumption rates, P cycle, the socio-economic and political aspects underpinning the P market. Additionally, Eduard explores the concept of circularity in the food production system; the role of politics and corruption for food security; food waste and its impact; food consumption patterns and their implications for future food security; and the worldwide distribution of food.

### EXPERIENCE

Eduard graduated with a BSc in Geography from Coventry University, UK, with a dissertation on "Challenges and opportunities for the organic farming sector in Moldova". He then worked as a Project Assistant and later as the Agriculture and Rural Development Coordinator at CEEweb in Budapest, an umbrella NGO, which has the mission to promote biodiversity conservation through sustainable development in Central and Eastern Europe. In parallel, Eduard was also an Independent External Monitor in Romania for the Fair Labor Association, which involved evaluating labor standards and reporting on the socio-economic status of growers and manufacturers throughout Syngenta's seed supply chain in Romania. In 2014, he graduated with an MSc in Environmental Sciences and Policy from the Central European University in Budapest, with a thesis on the "Preservation of High Nature Value farmland cultural landscapes in Transylvania, Romania".

### KEYWORDS

- Agriculture
- Phosphorus
- System dynamics modelling
- Food security
- Food waste
- System dynamics

### SUPERVISORS

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