

# List of Projects

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### **Green technologies: How are they created and regulated? What impact do they have?**

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Climate change is a major concern in academia and policy arena. Whereas governments adopt various market regulations to reduce the GHGs and increase consumer awareness, businesses define new objectives aiming at reduction of pollution. Doing so, they innovate in green technologies to gain market shares by introducing new climate neutral products also impacting on their productivity, efficiency, and energy efficiency. The proposed research will comprehensively study determinants of such eco-innovations in Austria and the EU, and what impact they have on firm performance. The proposed research will first study how eco-innovations are undertaken at the firm-level by focusing on the role of firm-level characteristics such as productivity and quality of highly educated and skilled labour as well as financing and credits. Moreover, it will study how such eco-innovations and green technologies allow firms to become more energy efficient and more productive. Second, it will study how firms adjust their production with green regulations to supply and export products with better quality. Third, it will analyse how such novel green technologies are spurred in European regions by focusing on the role of Framework Programmes (FP) and public policies directed at the EU level. The role of joint research collaboration among inventors in different regions of the European Union, financing, funding, credits, and environmental regulations in the EU and abroad will be the key factors under these investigations.

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