

Sustainable policy for energy, land and natural resources

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This thesis focuses on the challenges individuals and policymakers face in developing and emerging countries when making decisions on energy, land use and natural resources which aim to be simultaneously economically sound and sustainable.

In papers 1 & 2, we analyse the role of market failures in energy sectors when prices fail to signal outcomes that are uneconomical and unsustainable. We assess options for improved investment decisions by households and government that identify imperfections and realign incentives for all stakeholders.

In papers 3 & 4, we evaluate decisions over land use in developing countries where imperfect markets for capital, labour and environmental resources can bias against long-term investments. We appraise decisions facing rural stakeholders in the agricultural and conservation sectors of two developing countries.

By analysing stakeholder incentives and environmental economics associated with critical decisions, this thesis informs the sustainability field with practical policy experiences.



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