New eBook

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Peace not Pollution How Going Green Can Tackle Both Climate Change and Toxic Politics

Edited by Christian Gollier and Dominic Rohner

Structure of the book

- Part I: Curbing energy demand
- Part II: Boosting green energy supply
- Part III: Macroeconomics
- Part IV: Toxic politics

Part I: Curbing energy demand

2 Taxing carbon

Thomas Sterner, Jens Ewald and Erik Sterner

3 The fast track to global carbon taxation Laurence Kotlikoff, Andrey Polbin and Simon Scheidegger

4 Carbon pricing and social acceptability: Using EU ETS auction revenues for social expenditures in a changing world Simone Borghesi and Albert Ferrari

5 Phase-out policies Estelle Cantillon

6 Sobriety Katheline Schubert

7 Managing energy demand with information-based policies in times of crises Sébastien Houde

Part II: Boosting green energy supply by decarbonising electricity

8 Promoting solar energy: Accounting for barriers to the transition Aude Pommeret

9 Decarbonisation and regulation of the electricity sector in Europe Dominique Bureau

10 Challenges for retail electricity Claude Crampes

11 Assessing the scientific impact of sustainable development, climate change and biodiversity projects in the Horizon 2020 programme Phoebe Koundouri, Haris Papageorgiou and Conrad Landis

Part III: The macroeconomics of the green transition

12 Is green growth achievable?

Pierre-Louis Girard and Agnès Bénassy-Quéré

13 Equitable climate mitigation strategies in a world of high energy prices lan Parry

14 The green energy transition, part 1: Background and hurdles Francesco Paolo Mongelli

15 The green energy transition, part 2: Drivers, effects of carbon pricing, new externalities and policy challenges Francesco Paolo Mongelli

16 The green energy transition, part 3: Climate finance opportunities, perspectives and strains Francesco Paolo Mongelli

Part IV: Political economics of green energy

17 The green transition, energy security and energy independence Tatyana Deryugina

18 Unextractable minerals and metals for the energy transition Jérémy Laurent-Lucchetti and Evelina Trutnevyte

19 On the new geopolitics of critical materials and the green transition Rabah Arezki and Rick van der Ploeg

20 Mineral extraction and conflict in the era of green technologies: Implications and consequences Mathieu Couttenier

21 Clean energy, clean politics: The key importance of decentralisation, transparency and local empowerment for the green transition Dominic Rohner

Zooming in on Part IV on toxic politics ...

- Deryugina focuses on how the green transition can make a country safer from foreign aggression -> see talk later
- Laurent-Lucchetti and Trutnevyte focus on
 - Demand for minerals and metals
 - Supply of minerals and metals
 - Propose a «materials tax» to account for social costs and prevent mineral curse
- Arzeki and van der Ploeg focus on geopolitics of critical minerals -> see talk later
- Couttenier focuses
 - on impact of green transition on artisanal and small-scale mining
 - Investigates the role of policies such as transparency initiatives

Zooming in on Part IV on toxic politics ...

- Last chapter by Rohner focuses on how to organize renewable energy to mitigate rent-seeking and appropriative conflict
 - Decentralization of energy production
 - Providing local jobs
 - Equal distribution of benefits
 - Avoid local environmental degradation

Conclusion

 Do not only focus on curbing supply of dirty energy → also curb energy demand and boost green energy provision

2. Ensure progressive distributional effects, tackling global warming <u>and</u> inequality

3. Step up communication

4. Avoid toxic politics by designing well mineral extraction and green energy provision