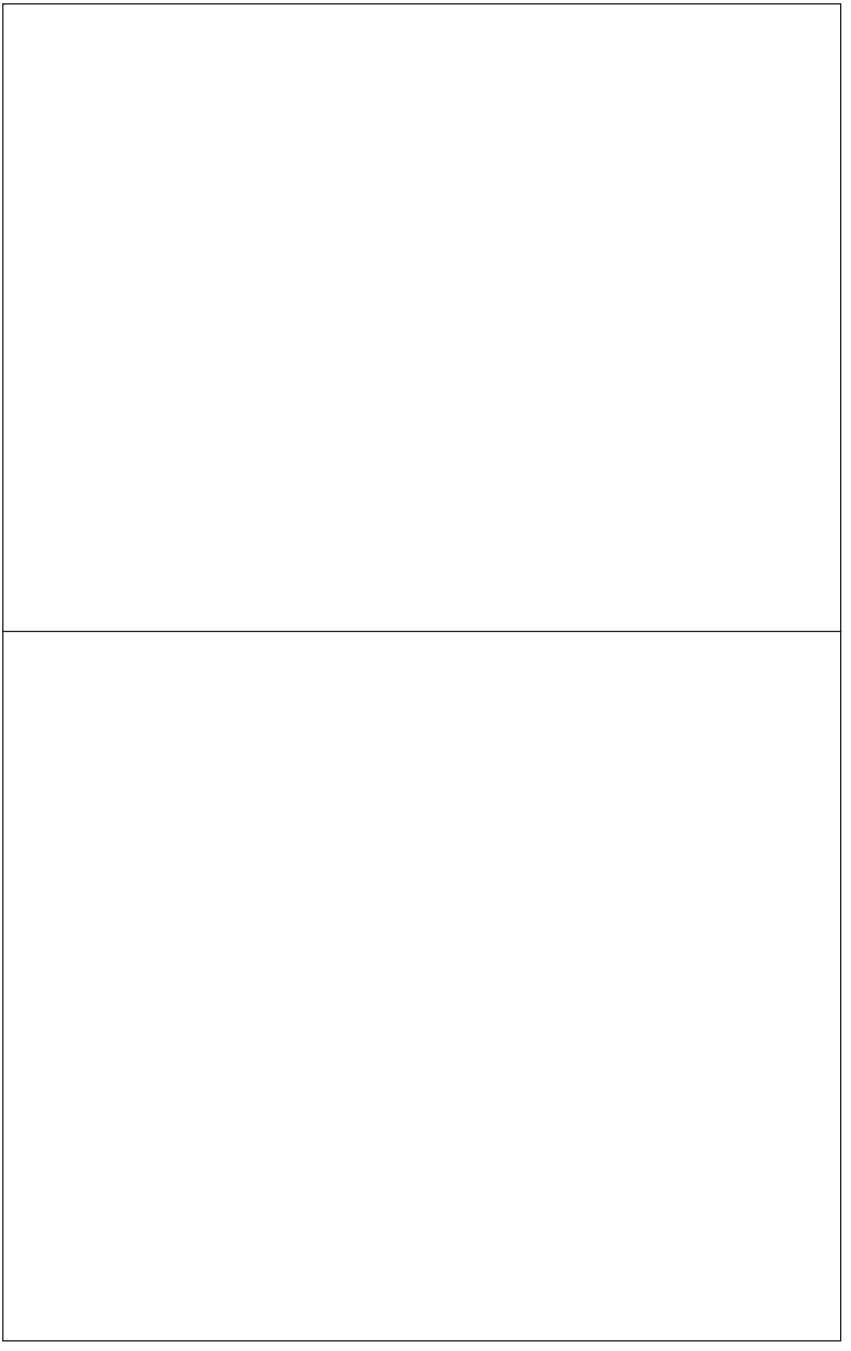
Renate Pirstner-Ebner

European Energy Law

Market System for Electricity and Gas – Energy Supply Security – Green Energy System of the Future (Green Smart Grid)

Nomos



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Foreword

European energy law is the basis for the energy law in all Member States of the European Union. However, it is also important for the states of South-Eastern Europe and the Black Sea region which have joined together to form the Energy Community to implement the European Union internal energy market rules and principles in their countries. Central to the European energy law are the rules for the electricity and gas market. An additional core element are the provisions for supply security for electricity and gas (e.g. gas emergency plan, principle of solidarity), which have gained particular importance because of the dramatic events in the Ukraine. The Ukraine crisis and the climate crisis show that the future of an energy system lies in the independence from fossil energy sources. Energy independence, supply security, and climate protection can be reached by establishing a green energy system. Separate chapters of this book deal with the main criteria of a green energy system, such as renewable energies, energy efficiency, decentralisation (e.g. energy communities) or digitalisation (e.g. smart meters). Because of their importance, an additional chapter, "energy system of the future" (green smart grid), has been dedicated to these aspects.

The book furthermore covers an introduction to energy law (scope, terminology etc) and an overview of the energy law legislation. This part starts with the European Union competences set in primary law, followed by the relevant secondary law. In addition, the book deals with the European regulatory and coordination organisation (ACER, ENTSO for Electricity, ENTSO for Gas, regional coordination centre etc).

As the book combines the introduction to European energy law with an in-depth analysis of advanced topics (e.g. electricity and gas market, green smart grid) it is directed at an audience of law students and academics. Thus, it may be used in classes on climate protection law, energy law and sustainability on the bachelor as well as on the master and PhD levels. It may also serve as a reliable source of reference for legal professionals and engineers.

I would like to express my sincere thanks to Univ.-Prof. Dr. Christoph Bezemek for supporting this project from the very beginning. I am happy to receive suggestions and criticism and ask you to send them to the following e-mail address: renate.pirstner@uni-graz.at.

Graz, 9.3.2022 Renate Pirstner-Ebner

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