

3794 Climate Change and Electricity Trade

Professor Petri Mäntysaari



The perspective

Addressing climate change and the green energy transition belong to the biggest challenges of humankind. We obviously should do something about them in the EU.

The values of Western liberal democracies include the rule of law. We use law to fight climate change and create sustainable energy.

What we do is use regulation (by states) as well as technology and business models (by firms) to increase energy efficiency and energy generation from renewable sources. In practice, this means increased reliance on electrification.



Such aspects are connected on this commercial law course.

On the one hand, the course discusses regulation designed to address climate change.

On the other hand, it tries to understand the impact of regulation on firms and their new business opportunities.

This means that the course has a connection to business strategy. The course will also discuss various forms of electricity trade.



Lectures

There will be about 11 written lectures about large topics in this area. Some lectures are easier, some a bit trickier. Since this really is a very complex area, you will not see me lecturing on videos. You will need to read and think a bit.

In particular, you will need to read the lectures and follow the instructions in each lecture. The lectures are complemented by other readings and simple questions or exercises that you can do yourself. I will also add links to some entertaining stuff.

Because of the very fast development of this area, I will be updating all lectures during the course. When I focus on updating the text, the text will be closer to the latest knowledge.



I am planning to upload appr. 3 lectures per week to keep the momentum going.



The rough topics

- Setting the scene: From morality to business.
- Climate change goals.
- Carbon markets and other ways to reach the goals.
- Electricity wholesale markets in the EU.
- Corp. strategies, business models and long-term supply contracts in electricity markets.
- Spot markets, balancing, transmission, financial markets.
- Energy efficiency, generation, buildings.
- Electricity storage, hydrogen.
- Energy efficiency, buildings.
- Mobility.



Term paper

When all the lectures are in place, I will tell you more about a term paper. There will be no exam, just one term paper. No retake. You will have plenty of time to write the term paper. Please read the instructions carefully when I post them!

What you should do now is study the lectures that I will upload at a steady pace. Reading all lectures will help you write the term paper.

Thank you for taking this course!