

#### 4.1.6. Political Economy of Energy Transitions

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| Theme/Topic:            | Political Economy of Energy Transitions                                                                 |
| Expert:                 | <b>Prof. François Bafoil</b> , CERI Paris<br><b>Giulia Cretti</b> , Pooled Fund on International Energy |
| Character:              | Optional                                                                                                |
| ECTS Credits:           | 3 ECTS credits                                                                                          |
| Teaching methods:       | Lecture, seminar and discussion at the presence workshop, guided forum                                  |
| Assessment methods:     | Final exam at the end of the term, assignments, active participation in workshop and forum activity     |
| Skills and competences: | Gaining a broad understanding of the political economy of energy transitions in Europe and in the world |

##### Objective and course content:

##### 4 parts:

##### **History**

Overview of the development of energy systems over the last two centuries in Europe and in the world.

##### **Determinants**

Three main dimensions of the field of the political economy of energy are going to be analysed:

1. how the demographic evolutions impact the energy demand
2. how urbanisation, industrialisation, mobility and consumption practices contribute to the climate crisis
3. how the energy transitions and resources can address the energy and climate challenges together

##### **Resources and conflicts**

Some major energy conflicts in Europe and its neighbourhood are going to be analysed.

##### **Organisations and regulation**

This chapter explores how energy transitions transform and are transformed by international and European institutions as well as by the State and the market.

##### Bibliographical advice

Mitchell, C. (2008). *The Political Economy of Sustainable Energy*. Basingstoke: Palgrave Macmillan  
Moe, E., and P. Midford (eds) (2014). *The Political Economy of Renewable Energy and Energy Security: Common Challenges and National Responses in Japan, China and Northern Europe*, Basingstoke: Palgrave Macmillan.  
Smil V., (2017). *Energy and Civilization. A History*, Cambridge: MIT Press