

**Day - 17/12/2013**

- 1) Why did the West shift from coal to oil after World War II?
- 2) Explain the EU energy policy towards *non Member States*?
- 3) Reserves and resources and how they influence an investment decision-making. Focus on the example of shale gas.
- 4) Elasticities
- 5) Game theory and environmental agreements.
- 6) Pollution target setting.

**Day - 16/01/2014**

- 1) When and why the OPEC has been created? Which are his main goals and events? Which kind of importance does it have now?
- 2) Relationship between Russia and EU.
- 3) Explaining decision-making.
- 4) Energy intensity and how it can be computed in the National Energy Balance.
- 5) EKC, explain it under a pessimistic view.
- 6) Pollution policy investments by governments or by market are more efficient, why?

**Day - 14/12/2015**

- 1) Which countermeasures have been adopted by the Europe for the 1973's oil crisis?
- 2) Describe the policies of energy security in the EU nowadays.
- 3) Elasticities.
- 4) How to prevent uncertainty and risk in gas and petroleum exploration.
- 5) Describe one of the institutional approaches.
- 6) Kyoto Protocol and game theory.

**Day - January 2016**

- 1) When and why the OPEC has been created? Which are his main goals and events? Which kind of importance does it have now?
- 2) What does energy diplomacy mean for Europe?
- 3) Cost function of hydrocarbons and return of scale.
- 4) Define energy security and describe how to calculate it. Explain the characteristics of the indicators.
- 5) Pros and cons of command and control.
- 6) How can be calculated the optimal quantity of pollution?

**Day - February 2016**

- 1) What is an energy mix? How can a government try to modify it?
- 2) Energy relations between Europe and Russia.
- 3) Explain the effects that energy price have on economic activity through different channels. Describe of the main transmission mechanism through which oil prices impact on consumer price developments by distinguishing into first and second round effect and direct and indirect.
- 4) Explain why the national monopoly is relevant for every worker. Define the subaddictivity of the cost function to energy producers and its relation with the cost function of a not monopoly.
- 5) Impact of demography on the environment using IPAT model.
- 6) Discuss the characteristics of different pollution sources with a special reference to the absorption capacity of the environment.

### Day - July 2016

- 1) What does energy diplomacy mean for Europe?
- 2) Reactions of EU countries to the first oil crisis
- 3) Elasticities, what they are, what are their functions? Which are the methods to compute them?
- 4) Define energy security and describe how to calculate it. Explain the characteristics of the indicators.
- 5) Explain the Buter environmental agreements through the game theory.
- 6) Pollution: how do we find the current level? Explain through graphs.

### Day - 15/12/2016

- 1) What is the role of stockpile in the EU? Are they an efficient insurance policy against supply disruptions?
- 2) Why did the West shift from coal to oil after World War II?
- 3) Explain the effects that energy price have on economic activity through different channels. Describe of the main transmission mechanism through which oil prices impact on consumer price developments by distinguishing into first and second round effect and direct and indirect.
- 4) Energy demand elasticity is a key indicator of policy maker. Explain the different methods for computing elasticities according to a simple descriptive approach and plus the econometric approach. Describe the characteristics of the indicator in some approaches, in particular with reference to the short and long-run perspective of the analysis.
- 5) Classify different pollution sources and describe how the optimal level of pollution can be found in a flow pollution model following different perspectives (e.g. production, pollution, abatement). Use graphics.
- 6) Describe the market for pollution permits considering auction as mechanism to allocate permits. Under which condition a secondary market for permits will start after the auction? What about EU's experience?

### Day - Dicembre 2017

- 1) When and why Opec was founded
- 2) Energy Relations between Europe and Russia
- 3) Effects that energy price have on economic activity through different channels: main transmission mechanism through which oil prices impact on consumer price developments (first and second round effect and direct/indirect)
- 4) How to prevent risks and uncertainties in the oil exploration
- 5) How to calculate pollution targets (numbers were given and we had to calculate the optimal pollution and explain)
- 6) pessimistic Kuznets Curve and other metaphors (la parte delle metaphors non ho capito bene cosa voleva...)