## Lectures @ Faculty of Sciences and Technology of University of Coimbra: Calendar and Topic

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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| 18th July – 15h00 @ Department of Electrical and Computer Engineering | **The 2050 EU energy roadmap**  
Mitigation of climate change means that CO2 emissions must be drastically reduced in the long term (i.e. 2050). This implies a substantial reforming of the entire production and consumption pattern in order to decouple economic growth and carbon emissions. This transition to a low carbon economy will be a costly process requiring not only technological efforts but also profound organisational and cultural changes. The predominating model to achieve such a transformation often referred as green growth, risks falling short because of its insufficient focus on the demand-side of the economy. Conversely, the model of sustainable consumption seems to be more suited for meeting 2050 climate objectives (i.e. -80-95% GHG emissions below 1990 level). The two models will be briefly compared and a special emphasis will be placed on outlining the model of sustainable consumption.  
This lecture will be followed by a second one on 27th July, providing a focus on sustainable consumption as a means towards more rational energy production and consumption. |
| 20th July – 15h00 @ Department of Mechanical Engineering | **Moving towards urban sustainability**  
Since the beginning of the 21st century, urban sustainability has increasingly come in the focus of growth, environmental, climate and social policies of the European Union. However there has been no real integration of urban sustainability challenges and opportunities into these policies. Urban sustainability is principally handled at the margin, on an ad-hoc basis or through narrowed thematic angles. The lecture will review the last relevant EU policy developments with a special focus on the Smart Cities & Communities initiative. |
| 25th July – 15h00 @ Department of Civil Engineering | **The EU White Paper on the Transport Policy**  
On 28 March 2011, the European Commission adopted its new White Paper on transport policy with a roadmap of 40 concrete initiatives for the next decade to build a competitive transport system that will increase mobility, remove major barriers and fuel growth and employment. At the same time, the proposals are aimed to dramatically reduce Europe’s dependence on imported oil and cut... |
Sustainable Consumption: a proposal at the heart of economic crisis, and climate and environmental challenges

This lecture is the follow-up of the lecture on 18th July. Mitigation of climate change means that CO2 emissions must be drastically reduced in the long term (i.e. 2050). This implies a substantial reforming of the entire production and consumption pattern in order to decouple economic growth and carbon emissions. This transition to a low carbon economy will be a costly process requiring not only technological efforts but also profound organisational and cultural changes. The predominating model to achieve such a transformation often referred as green growth, risks failing short because of its insufficient focus on the demand-side of the economy. Conversely, the model of sustainable consumption seems to be more suited for meeting 2050 climate objectives (i.e. -80-95% GHG emissions below 1990 level). The two models will be briefly compared and a special emphasis will be placed on outlining the model of sustainable consumption.

Biographical Information

Eric Ponthieu is the Head of Unit of the Section Transport, Energy, Infrastructure and Information Society of the European Economic and Social Committee (EESC). The EESC is one of the two consultative bodies of the EU (besides the Committee of the Regions).

It is now 18 years that Eric has been working at EU institutions in the fields of environment, transport, energy, climate change, sustainable development and R&D. He acquired a very thorough understanding of the developing policies in these domains, and the underlying R&D. He was in charge of EU urban transport research for 5 years and Head of Sector on Urban Sustainability for 2 years. His current function places him in direct relation with the quickly developing EU policies in the area of Energy, Transport and Climate Change but also of Information Society and Sustainable Development. Sustainable Development, Sustainable Mobility, Sustainable Consumption, the policies towards Climate Change mitigation and EU Urban policy are his specialities from an EU policy making perspective.

He regularly gives lectures in different universities worldwide such as La Sapienza (Roma, Italy), La Sorbonne (Paris, France), Kyoto University, Peking University, Ca Foscari University in Venezia (November 2010) or Salerno University (July 2010).