

**“conCERNed for Humanity”  
invites you to a video-  
conference and debate on**

**Monday 2nd April  
17:30 - 19:00  
40-S2-D01 Salle Dirac**

# **Is Nuclear power a viable alternative energy source?**

## **Applying new protocols in energy analysis**

*by*

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<http://www.eco2bcn.es/?q=node/94>

In recent decades, there has been growing concerns among scientists as regards to the usefulness and effectiveness of “crisp” quantitative analyses used in normative terms for the governance of sustainability, especially in relation to energy analysis. Moreover, the unavoidable existence of multiple dimensions and multiple scales associated with the discussion of sustainability imply that economic analysis alone cannot define “the best course of action”. Indeed, the usefulness of a quantitative information depends on: (i) the quality of the choice made on the normative side – that is the relevance of the narratives used when choosing models and indicators; and (ii) the quality of the choices on the descriptive side – that is the pertinence of the quantitative representation.

During this talk, I will introduce a new quantitative approach to characterize and compare the performance of alternative energy sources. This approach consists in an integrated quantitative analysis based on the concept of “grammar” used to handle the inherent ambiguity associated with energy accounting. In particular, I will provide a comparison between nuclear energy and fossil energy in making electricity. From here, we will see how the characterization of the process of production of energy supply systems fits into the big picture so as to assess the viability of alternative energy sources in relation to the energetic metabolism of societies.



*For more information about the club  
<https://espace.cern.ch/ConCERNedForHumanity/default.aspx>*