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| **Title** | Definitions of common energy terminology & energy sources |
| **Duration (in weeks)** | 1 |
| **Starting / ending week** | 1/1 |
| **Key Concepts and Issues** | Energy sources, renewable energy, carbon footprint |
| **Intended Purpose** | Provide an overview of energy terminology as well as energy sources and their effects on society. |
| **Learning Outcomes** | The learniers will be able to:   * Get familiar with common energy terminology * Obtain knowledge of non-renewable energy sources and be able to discuss their effects on society * Obtain knowledge on renewable energy technologies |
| **Basic Learning Material** | Presentation slides [Energy Terminology & Sources](https://www.dropbox.com/home/EPOQUE%20project/epoque_o5/Course%20IV/Module%201?preview=%5B4.1.001%5D+O5_EnMS_CourseIV_Module1_Topic1.pptx) provided in online format. |
| **Additional Learning Material** | **Documents:**   * [European Environment Agency, Final energy consumption intensity (ENER 021) - Assessment published Oct 2015](http://www.eea.europa.eu/data-and-maps/indicators/final-energy-consumption-intensity-4/assessment) * [European Environment Agency, Efficiency of conventional thermal electricity and heat production (ENER 019) - Assessment published Oct 2015](http://www.eea.europa.eu/data-and-maps/indicators/efficiency-of-conventional-thermal-electricity-generation-4/assessment) * [European Environment Agency, Progression energy efficiency in Europe (ENER 037) - Assessment published Jan 2016](http://www.eea.europa.eu/data-and-maps/indicators/progress-on-energy-efficiency-in-europe-2/assessment-1) * [Environmental, economic, and energetic costs and benefits of biodiesel and ethanol biofuels](http://www.pnas.org/content/103/30/11206.abstract), , Jason Hill, Erik Nelson, David Tilman, Stephen Polasky, and Douglas Tiffany * [Borel-Saladin, J.M. / I. N. Turok (2013): The Green Economy: Incremental Change or Transformation? Environmental Policy and Governance, 23, 209-220.](https://www.dropbox.com/home/EPOQUE%20project/epoque_o5/Course%20IV/Module%201?preview=%5B4.1.006%5D+Borel-Saladin_et_al-2013-Environmental_Policy_and_Governance.pdf)   **Websites:**   * [ODYSSEE-MURE](http://www.odyssee-mure.eu/) * [Intelligent Energy Europe, EC](http://ec.europa.eu/energy/intelligent/) * [The Energy Technology Data Exchange, ETDE](http://www.etde.org/) * [Depository of all NEEAPs for EU Member States](https://ec.europa.eu/energy/en/topics/energy-efficiency/energy-efficiency-directive/national-energy-efficiency-action-plans) * [Greenhouse Gas Conversion Factor Repository](http://www.ukconversionfactorscarbonsmart.co.uk/) |
| **Educational video** | * [Energy Conservation and Energy Efficiency: Examples and Differences](http://study.com/academy/lesson/energy-conservation-and-energy-efficiency-examples-and-differences.html) |
| **Reading materials** |  |
| **Activities** | none |
| **Checklist** | At the end of this learning module, the leaners will be able to understand common energy terminology and the effects of energy generation. |
| **Evaluation** | Evaluation is not done at this stage of the course. |