

**FACT SHEET BIP: 23-27 March 2026**

<b>Name institution</b>	KU Leuven, campus De Nayer
<b>Title / Name BIP:</b> <i>(Enter the official name of the BIP)</i>	On the path towards energy-wisdom
<b>Abstract:</b> <i>(Brief summary of the activity – what it is about in 3–5 lines)</i>	Technologies for a more sustainable electrical energy production are available and proven (solar panels, windmills). For the massive implementation for the energy transition, a lot of challenges remain. Concerns about the grid stability and energy infrastructure, (cyber)security, capacity need explanation and interpretation.
<b>Goal:</b> <i>(What is the main objective or purpose?)</i>	Students get the necessary background to have a critical voice in debates about electric energy and energy transition. International project work. Intercultural exchange.
<b>Topics covered:</b> <i>(List the key themes or subject areas that will be addressed)</i>	Electrification of society. Injection in the grid for sustainable energy systems Rise of AI and blockchain technology: energy consumption Electrification of society: e-mobility, heating pumps... Off shore windfarms, tidal centrals <> on the grid Redundancy, mitigation of errors on the grid, black start of grid (cfr Spain and Portugal after the black-out) Stability of the grid: rotating masses in powerplants, flywheel technology Hydrogen SMR nuclear powerplants. Biogas plants ....
<b>Expected outcome(s):</b> <i>(What should students gain or achieve by the end?)</i>	Students get the necessary background to have a critical voice in debates about electric energy. Student teams design a boardgame to spread knowledge to (non)peers. Student teams function like a team of professionals

<b>Start and end date of the BIP</b>	23-27 March 2026
<b>Content of virtual component:</b> <i>(Describe any online or hybrid elements – e.g., webinars, online modules, collaborative tools)</i>	<p>Before the mobility:</p> <p>Literature reading (Factfulness (H. Rosling))</p> <p>Personality test to assign international teams</p> <p>Collect personal energy data (how much energy you use for heating, electricity, transport at home, numbers and characteristics (e.g. type of heating, nominal power, invoices for gas and electricity))</p> <p>After the mobility:</p> <p>Group work to prepare final report and finish the boardgame.</p> <p>Active participation during Q&amp;A-sessions.</p>
<b>Start and end date of the virtual component</b>	23 Feb, introduction seminar, assignment 14 May: delivery final report
<b>Maximum number of students:</b> <i>(Total number of participants allowed)</i>	30 international
<b>Maximum number per university:</b> <i>(Limit per institution, if applicable)</i>	Not applicable
<b>BIP ID</b> <i>(If already available)</i>	