

## Joint statement:

### Strengthening efforts to shift to a 100% renewable energy system for a sustainable and peaceful future

The consortium partners of the [Paris Agreement Compatible \(PAC\) Scenarios for Energy Infrastructure](#) project deplore the Russian invasion of Ukraine and express their support to Ukrainian citizens. This war brings multi-layered geopolitical consequences: first and foremost, a major humanitarian crisis and deep human sufferings for the region. But the war and its geopolitical, social and economic implications also have severe impacts on energy security and decarbonisation efforts.

Dependence on Russian fossil fuels imports have led to soaring energy prices affecting the entire economy. The response to the energy crisis must be the same as to the climate crisis, as both are rooted in heavy dependence on fossil fuels. This war reaffirms that the only sustainable way forward is to push forward with decarbonisation efforts and accelerate energy savings and the deployment of renewable energy sources, including but not limited to solar and wind.

It is possible to run energy systems with 100% renewable energy sources, the abilities to do it are already in place and a growing number of energy scenarios<sup>1</sup>, among them [the PAC scenario](#), show that a 100% renewable future is indeed possible at both the European and global scale. Such a system requires careful planning, optimisation of all resources and fast implementation that place special attention on the system's efficiency, savings, and optimisation across supply chains and demand. This requires integrated resources planning, including nature and ecosystems protection objectives, and appropriate regulatory frameworks and policies.

Understanding challenges and opportunities related to these aspects are of utmost importance if we want to accelerate and shift towards a 100% renewables-based system. The PAC consortium partners are committed to continue exploring ways to address these goals in our activities and actions in order to contribute to building a sustainable and peaceful future.

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<sup>1</sup> See for example: SolarPower Europe and LUT University (2020): [100% Renewable Europe: How To Make Europe's Energy System Climate-Neutral Before 2050](#), April 2020.; Ram M., Bogdanov D., Aghahosseini A., Gulagi A., Oyewo A.S., Child M., Caldera U., Sadovskaia K., Farfan J., Barbosa LSNS., Fasihi M., Khalili S., Dalheimer B., Gruber G., Traber T., De Caluwe F., Fell H.-J., Breyer C. [Global Energy System based on 100% Renewable Energy – Power, Heat, Transport and Desalination Sectors](#). Study by Lappeenranta University of Technology and Energy Watch Group, Lappeenranta, Berlin, March 2019.