

Settlement Network Supplying Energy

Authors : Balázs Kulcsár

Abstract : Few people now doubt the future of the global energy transition. The only question is whether the pace of renewables' penetration will be sufficient to compete with the rate of warming. Dynamic changes are also taking place in the Hungarian electricity system. In addition to nuclear power, which provides the basic electricity supply, the most dynamic is solar power, which is largely small-scale and residential. The emergence of solar power is outlining the emergence of energy production and supply fabric of municipalities. This creates the potential for over-producing municipalities to supply the electricity needs of neighboring settlements with lower production beyond renewables. By taking advantage of this energy sharing, electricity supply based on pure renewables can be achieved more quickly.

Keywords : renewable energy, energy geography, self-sufficiency, energy transition

Conference Title : ICGSP 2022 : International Conference on Geography and Spatial Planning

Conference Location : Tokyo, Japan

Conference Dates : September 08-09, 2022