



The 18th IERE General Meeting and Japan Forum
May 21-24, 2018, Kyoto, Japan

Social meanings of grid mutation

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Keywords: *Energy transition, grid, social impact*

Abstract

The energy transition gives a new role to the distribution networks which will connect renewables energies and electric vehicles, deploy smart meters to ensure the digitalization of the energy system and eventually develop the smart grids with new flexibilities. The new key role of the grid is now widely understood. However, the societal meaning of this mutation isn't well recognized yet. Indeed, the development of autonomous micro-grids has an impact on social cohesion, evolution of the tariff structure and will affect some population sectors. Those social dimensions must be anticipated.