

EU Megagrid and Microgrids

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Summary

The EU Megagrid is foreseen in order to exploit the very large resource of solar energy in southern Europe and of wind power in northern Europe. Microgrids with enhanced control capabilities can integrate and coordinate local distributed resources enhancing the resilience of the EU Megagrid and providing local supply restoration capabilities. The future modeling challenges of Microgrids and in particular the shift to distributed control, enhancing further the EU system resilience, are highlighted.