

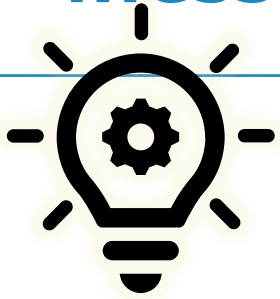


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SPOTLIGHTS 2022 EDITION

JOINT PROGRAMMING PLATFORM
SMART ENERGY SYSTEMS

Messages from the Working Groups

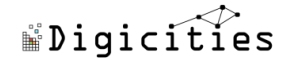


The Joint Programming Platform (JPP) Smart Energy Systems (SES) initiative unites scientific experts in smart energy systems within its Knowledge Community. On the basis of their profound experience and expertise, these researchers develop an informed opinion of key aspects which – according to their perspective – should be considered by decision makers on different levels. With its Working Groups, the JPP SES initiative provides a platform for developing expert Topics.



The Joint Programming Platform Smart Energy Systems initiative has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements no. 646039, 775970 and 883973.

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Messages from the Working Group Consumer and Citizen Involvement

Topics

- 💡 **Topic A:** identifying user types for engagement strategies
- 💡 **Topic B:** actor-specific levels of accessibility
- 💡 **Topic C:** empowerment through access to technologies and tools
- 💡 **Topic D:** adoption of technical solutions for higher socio-economical return
- 💡 **Topic E:** the role of reward and punishment in customer adoption to technology

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Messages from the Working Group Regional Matters

Topics

- 💡 **Topic A:** tools to put the end-user in contact with the supplier
- 💡 **Topic B:** reliable solutions for operational planning
- 💡 **Topic C:** open-source tool for an easy, fast creation of building information models
- 💡 **Topic D:** advanced control schemes and predictive models for DHC systems
- 💡 **Topic E:** long-term planning with integration of heating and cooling, and other energy vectors

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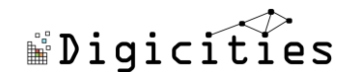


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Messages from the Working Group Regulatory and Market Development

Topics

- 💡 **Topic A:** electricity tariffs and network charges for renewable energy
- 💡 **Topic B:** designation of a single regulatory authority for electricity and gas (and possibly heat)
- 💡 **Topic C:** technical and economic challenges of implementing energy storage for the grid
- 💡 **Topic D:** allocation of costs for balancing and backup capacities in DH systems: unbundling and role of third parties

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Messages from the Working Group Storage and Cross Energy Carrier Synergies

Topics

- 💡 **Topic A:** blue hydrogen is difficult to justify on climate grounds
- 💡 **Topic B:** facilitate the reuse of waste heat to build a more circular system
- 💡 **Topic C:** promote low temperature district heating

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Messages from the Working Group System Architecture and Implementation Modelling

Topics

- 💡 **Topic A:** community-driven management approaches as suitable alternatives to cope with missing holistic and system-independent solutions
- 💡 **Topic B:** reproducible solutions and “easy approaches” for integration should be considered/developed
- 💡 **Topic C:** smart grid interoperability is an important enabling aspect of electricity technology deployments
- 💡 **Topic D:** profiling tasks

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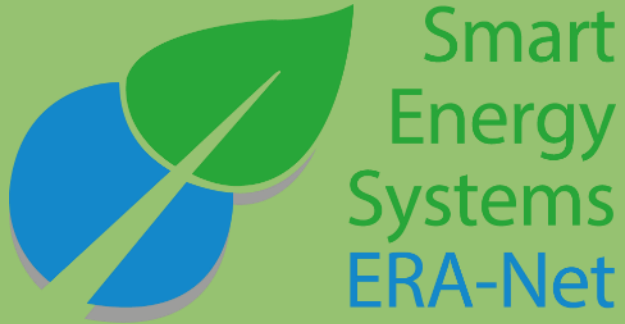
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Funding Partners



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