

## **General information**

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## **Targeted topics**

LC-SC3-B4E-10-2020: Self-assessment and self-optimisation of buildings and appliances for a better energy performance LC-SC3-B4E-14-2020: Enabling next-generation of smart energy services valorising energy efficiency and flexibility at demand-side LC-SC3-B4E-5-2020: Integrated design concepts for energy-efficient ICT in buildings LC-SC3-B4E-6-2020: Big data for buildings LC-SC3-EC-3-2020: Consumer engagement and demand response LC-SC3-ES-3-2018-2020: Integrated local energy systems (Energy islands) LC-SC3-ES-5-2018-2020: TSO – DSO – Consumer: Large-scale demonstrations of innovative grid services through demand response, storage and small-scale (RES) generation LC-SC3-ES-10-2020: DC – AC/DC hybrid grid for a modular, resilient and high RES share grid development LC-SC3-SCC-1-2018-2019-2020 : Smart Cities and Communities LC-SC3-SCC-2-2020: Smart Airports

Distrib. intelligence – MAS: flexible optimisation of complex problems	 Monitoring & optimal management of energy for local prosumers' communities
Stream Data platform: process and analyse of monitoring signals at various time scales	Predictive maintenance
Explanable AI: experts' knowledge modelisation for automated reasoning	Infrastructures monitoring

TABEDE, Mas2tering & DRIvE: monitoring and optimal management of local communities of prosumers

PENTAGON: unlocking EU grid local flexibility trough augmented energy conversion capabilities at district-level

**THERMOSS**: integration of advanced technologies for heating and cooling at building and district level.

**SW4EU**: Smart Water Network for sustainable water supply, QC, energy optimization and improved customers' interaction

**EURITRACK & C-BORD**: solution for the generalized non-intrusive inspection of large-volume freight to protect EU borders.

## List<br/>CENtechProject idea: collaborative learning<br/>for smart energy systems

