List of Topics – H2020 Work Programme Energy

Call – BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: SECURE, CLEAN AND EFFICIENT ENERGY – Hakukierros 2020, sisältö vahvistettu 2.7.2019

Energy efficiency

LC-SC3-B4E-1-2020: Towards highly energy efficient and decarbonised buildings (CSA, 16.7.19–15.1.20, 7 M€)

LC-SC3-B4E-2-2020: Stimulating demand for sustainable energy skills in the building sector (CSA, 5.3.20–10.9.20, 4 M€)

LC-SC3-B4E-3-2020: Upgrading smartness of existing buildings through innovations for legacy equipment (IA, 5.3.20–10.9.20, 8 M€)

LC-SC3-B4E-4-2020: Next-generation of Energy Performance Assessment and Certification (CSA, 5.3.20–10.9.20, 6 M€)

LC-SC3-B4E-5-2020: Integrated design concepts for energy-efficient ICT in buildings (IA, 16.7.19–15.1.20, 3 M€)

LC-SC3-B4E-6-2020: Big data for buildings (IA, 16.7.19–15.1.20, 12 M€)

LC-SC3-B4E-7-2020: EU building stock data 4.0 (CSA, 16.7.19–15.1.20, 4 M€)

LC-SC3-B4E-8-2020: Renewable and energy efficient solutions for heating and/or cooling, and domestic hot water production in multi-apartment residential buildings (IA, 16.7.19–15.1.20, 7 M€)

LC-SC3-B4E-9-2020: Support to the coordination of EU smart buildings innovation community (CSA, 16.7.19–15.1.20, 1½ M€)

LC-SC3-B4E-10-2020: Self-assessment and self-optimisation of buildings and appliances for a better energy performance (IA, 16.7.19–15.1.20, 6 M€)

LC-SC3-B4E-11-2020: Financing for energy efficiency investments - Smart Finance for Smart Buildings (CSA, 5.3.20–10.9.20, 16 M€ shared with "13")

LC-SC3-B4E-12-2020: National roundtables to implement the Smart Finance for Smart Buildings initiative (CSA, 16.7.19–15.1.20, 3 M€, and 5.3.20–10.9.20, 3 M€)

LC-SC3-B4E-13-2020: Aggregation - Project Development Assistance (CSA, 5.3.20–10.9.20, 16 M€ shared with "11")

LC-SC3-B4E-14-2020: Enabling next-generation of smart energy services valorising energy efficiency and flexibility at demand-side (CSA, 5.3.20–10.9.20, 6 M€)

Renewable energy

LC-SC3-RES-1-2019-2020: Developing the next gener. of renewable energy technologies (RIA, 3.12.19–21.4.20, 45 M€)

LC-SC3-RES-3-2020: International Cooperation with USA and/or China on alternative renewable fuels from sunlight for energy, transport and chemical storage (RIA, 5.5.20–1.9.20, 10 M€)

LC-SC3-RES-9-2020: Next generation of thin-film photovoltaic technologies (IA, 3.9.19–11.12.19, 20 M€)

LC-SC3-RES-10-2020: Pre-Commercial Procurement for a 100% Renewable Energy Supply (PCP, 26.9.19–26.3.20, 15 M€)

LC-SC3-RES-31-2020: Offshore wind basic science and balance of plant (RIA, 3.12.19–21.4.20, 8 M€)

LC-SC3-RES-32-2020: New test rig devices for accelerating ocean energy technology dev't (RIA, 3.12.19–21.4.20, 8 M€)

LC-SC3-RES-18-2020: Advanced drilling and well completion techniques for cost reduction in geothermal energy (RIA LUMPSUM, 3.12.19–21.4.20, 8 M€)

LC-SC3-RES-19-2020: Demonstration of innovative technologies for floating wind farms (IA, 3.9.19–11.12.19, 25 M€)

LC-SC3-RES-20-2020: Efficient combination of Concentrated Solar Power and desalination (with particular focus on the Gulf Cooperation Council (GCC) region) (IA, 5.5.20–1.9.20, 10 M€)

LC-SC3-RES-33-2020: Increase performance and reliability of photovoltaic plants (IA, 3.9.19–11.12.19, 20 M€)

LC-SC3-RES-34-2020: Demonstration of innovative and sustainable hydropower solutions targeting unexplored small-scale hydropower potential in Central Asia (IA, 5.5.20–1.9.20, 10 M€)

LC-SC3-RES-35-2020: Reduce the cost and increase performance & reliability of CSP plants (IA, 3.9.19–11.12.19, 10 M€)

LC-SC3-RES-25-2020: International cooperation for Research and Innovation on advanced biofuels and alternative renewable fuels (RIA, 5.5.20–1.9.20, 5 M€)

LC-SC3-RES-26-2020: Development of next generation renewable fuel technologies from CO2 and renewable energy (Power and Energy to Renewable Fuels) (RIA, 3.12.19–21.4.20, 8 M€)

LC-SC3-RES-36-2020: International cooper. with Canada on advanced biofuels & bioenergy (RIA, 5.5.20–1.9.20, 5 M€)

LC-SC3-RES-27-2020: Demonstr of advanced biofuels production from aquatic biomass (IA, 3.9.19–11.12.19, 10 M€)

LC-SC3-RES-37-2020: Combined clean biofuel production and phytoremediation solutions from contaminated lands worldwide (RIA, 3.12.19–21.4.20, 6 M€)

LC-SC3-RES-28-2018-2019-2020: Market Uptake support (CSA, 3.9.19–11.12.19, 25 M€)

Energy for Consumers

LC-SC3-EC-1-2018-2019-2020: The role of consumers in changing the market through informed decision and collective actions (CSA, 5.3.20–10.9.20, 12 M€ shared with "2")

LC-SC3-EC-2-2018-2019-2020: Mitigating household energy poverty (CSA, 5.3.20–10.9.20, 12 M€ shared with "1")

LC-SC3-EC-3-2020: Consumer engagement and demand response (IA, 3.9.19–29.1.20, 16 M€)

LC-SC3-EC-4-2020: Socio-economic research: non-energy impacts and behavioural insights on energy efficiency interventions (RIA, 16.7.19–15.1.20, 10 M€)

LC-SC3-EC-5-2020: Supporting public authorities in driving the energy transition (CSA, 5.3.–10.9.20, 9 M€)

Joint actions

LC-SC3-JA-5-2020: Long Term EU-Africa Partnership for Research and Innovation actions in the area of renewable energy (RIA, 26.9.19–26.3.20, 15 M€)

Smart citizen-centred energy system

LC-SC3-ES-3-2018-2020: Integrated local energy systems (Energy islands) (IA, 3.9.19–29.1.20, 15 M€)

LC-SC3-ES-4-2018-2020: Decarbonising energy systems of geographical Islands (IA, 3.9.19–29.1.20, 40 M€)

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 (IA, 3.9.19–29.1.20, 24 M€)

LC-SC3-ES-10-2020: DC – AC/DC hybrid grid for a modular, resilient and high RES share grid development (RIA, 3.9.19–29.1.20, 14 M€)

LC-SC3-ES-11-2020: Rapid Relief through Transitions on Islands (IA, 3.9.19–29.1.20, 6 M€)

LC-SC3-ES-12-2020: Integrated local energy systems (Energy islands): International cooperation with India (IA, 3.9.19–29.1.20, 9 M€)

Smart airports

LC-SC3-SA-1-2020: Smart airports (IA, 3.9.19–29.1.20, 12 M€)

Smart Cities and Communities

LC-SC3-SCC-1-2018-2019-2020: Smart Cities and Communities (IA, 3.9.19–29.1.20, 55 M€)

LC-SC3-SCC-2-2020: Positive Energy Districts and Neighbourhoods for urban energytransitions (ERA-NET-COFUND, 5.5.20–1.9.20, 5 M€)

Enabling near-zero CO2 emissions

LC-SC3-NZE-5-2020: Low carbon industrial production using CCUS (IA, topic published in CC activities list, 5.5.20–1.9.20, 15 M€)

LC-SC3-NZE-6-2020: Geological Storage Pilots (RIA, 5.5.20–1.9.20, 14 M€)

Cross-cutting issues and activities (energy part)

LC-SC3-CC-1-2018-2019-2020: Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition (RIA, 5.5.20–1.9.20, 10 M€)

LC-SC3-CC-7-2020: European Energy and Climate Modelling Forum (2020-2024) (RIA, 5.5.20–1.9.20, 5 M€)

LC-SC3-CC-9-2020: Industrial (Waste) Heat-to-Power conversion (IA, published in CC activities, 5.5.20–1.9.20, 14 M€)

LC-BAT-8-2020: Next-generation batteries for stationary energy storage (RIA, topic published in CC activities list under Next Generation Batteries, 3.12.19–21.4.20, 20 M€)

LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage (RIA, topic published in CC activities list under Next Generation Batteries, 3.12.19–21.4.20, 10 M€)

Hakujen otsikot, päivämäärät ja eurot ovat hyväksytyistä versioista 2.7.2019.

Työohjelman tekstit löytyvät tästä: https://ec.europa.eu/programmes/horizon2020/h2020-sections
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