

# HORIZON 2020 - Übersicht der Topics 2018-20 (nach WP)

## "Secure, clean and efficient energy"



Call - BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: SECURE, CLEAN AND EFFICIENT ENERGY	Opening Date	Deadline	Instrument
<b>Energy efficiency</b>			
LC-SC3-EE-1-2018-2019-2020: Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation	12.09.2019	03.09.2019	IA
LC-SC3-EE-2-2018-2019: Integrated home renovation services	12.03.2019	03.09.2019	CSA
LC-SC3-EE-3-2019-2020: Stimulating demand for sustainable energy skills in the construction sector	24.01.2019	03.09.2019	CSA
LC-SC3-EE-4-2019-2020: Upgrading smartness of existing buildings through innovations for legacy equipment	24.01.2019	03.09.2019	IA
LC-SC3-EE-5-2018-2019-2020: Next-generation of Energy Performance Assessment and Certification	12.03.2019	03.09.2019	IA
LC-SC3-EE-6-2018:2019-2020: Business case for industrial waste heat/cold recovery	12.03.2019	03.09.2019	CSA
LC-SC3-EE-8-2018-2019: Capacity building programmes to support implementation of energy audits	12.03.2019	03.09.2019	CSA
LC-SC3-EE-9-2018-2019: Innovative financing for energy efficiency investments	12.03.2019	03.09.2019	CSA
LC-SC3-EE-10-2018-2019-2020: Mainstreaming energy efficiency finance	12.03.2019	03.09.2019	CSA
LC-SC3-EE-11-2018-2019-2020: Aggregation - Project Development Assistance	12.03.2019	03.09.2019	CSA
LC-SC3-EE-13-2018-2019-2020: Enabling next-generation of smart energy services valorising energy efficiency and flexibility at demand-side as energy resource	12.03.2019	03.09.2019	IA
LC-SC3-EE-14-2018-2019-2020: Socio-economic research conceptualising and modelling energy efficiency and energy demand	12.03.2019	03.09.2019	RIA
LC-SC3-EE-16-2018-2019-2020: Supporting public authorities to implement the Energy Union	12.03.2019	03.09.2019	CSA
LC-SC3-EE-17-2019: European City facility - European Cities as key innovation hubs to unlock finance for energy efficiency	01.08.2018	05.02.2019	CSA
LC-SC3-EE-18-2019: Bioclimatic approaches for improving energy performance in buildings in Africa and Europe	12.03.2019	03.09.2019	CSA
<b>Global leadership in renewables</b>			
LC-SC3-RES-7-2019: Solar Energy in Industrial Processes	07.05.2019	27.08.2019	RIA
LC-SC3-RES-8-2019: Combining Renewable Technologies for a Renewable District Heating and/or Cooling System	05.09.2018	11.12.2018	IA
LC-SC3-RES-15-2019: Increase the competitiveness of the EU PV manufacturing industry	05.09.2018	11.12.2018	IA
LC-SC3-RES-16-2019: Development of solutions based on renewable sources that provide flexibility to the energy system	07.05.2019	27.08.2019	RIA
LC-SC3-RES-17-2019: Demonstration of solutions based on renewable sources that provide flexibility to the energy system	05.09.2018	11.12.2018	IA
LC-SC3-RES-23-2019: Development of next generation biofuel and alternative renewable fuel technologies for aviation and shipping	07.05.2019	27.08.2019	RIA
LC-SC3-RES-24-2019: Boosting pre-commercial production of advanced aviation biofuels	05.09.2019	11.12.2018	IA
LC-SC3-RES-28-2018-2019-2020: Market Uptake support	05.09.2018	11.12.2018	CSA
LC-SC3-RES-29-2019: Converting Sunlight to storable chemical energy	07.05.2019	27.08.2019	RIA

LC-SC3-RES-30-2019: Demonstration of plug and play solutions for renewable off-grid electricity	05.09.2018	11.12.2018	IA
<b>Smart and clean energy for consumers</b>			
LC-SC3-EC-1-2018-2019-2020: The role of consumers in changing the market through informed decision and collective actions	12.03.2019	03.09.2019	CSA
LC-SC3-EC-2-2018-2019-2020: Mitigating household energy poverty	12.03.2019	03.09.2019	CSA
<b>Smart citizen-centred energy system</b>			
LC-SC3-ES-1-2019: Flexibility and retail market options for the distribution grid	05.09.2018	05.02.2019	IA
LC-SC3-ES-2-2019: Solutions for increased regional cross-border cooperation in the transmission grid	05.09.2018	05.02.2019	IA
LC-SC3-ES-6-2019: Research on advanced tools and technological development	05.09.2018	05.02.2019	RIA
LC-SC3-ES-8-2019: European Islands Facility - Unlock financing for energy transitions and supporting islands to develop investment concepts	05.09.2018	05.02.2019	CSA
LC-SC3-ES-9-2019: ERA-NET Co-Fund Enhanced cooperation in Digitalisation of Energy Systems and Networks	14.11.2018	27.08.2019	ERA-NET
<b>Smart Cities and Communities</b>			
LC-SC3-SCC-1-2018-2019-2020: Smart Cities and Communities	05.09.2018	05.02.2019	IA
<b>Enabling near-zero CO2 emissions from fossil fuel power plants and carbon intensive industries</b>	<b>Opening</b>	<b>Deadline</b>	<b>Instrument</b>
LC-SC3-NZE-4-2019: Integrated solutions for flexible operation of fossil fuel power plants through power-to-X-to-power and/or energy storage	07.05.2019	27.08.2019	IA
LC-SC3-NZE-5-2019-2020: Low carbon industrial production using CCUS	07.05.2019	27.08.2019	IA
<b>Joint Actions</b>			
LC-SC3-JA-2-2018-2019: Support to the realisation of the Implementation Plans of the SET Plan	14.11.2018	27.08.2019	CSA
LC-SC3-JA-3-2019: European Pre-Commercial Procurement Programme for Wave Energy Research & Development	14.11.2018	27.08.2019	PCP
<b>Cross-cutting issues</b>			
LC-SC3-CC-1-2018-2019-2020: Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition	07.05.2019	27.08.2019	RIA
LC-SC3-CC-3-2019: Support for the opening of low-carbon energy research databases in Europe	14.11.2018	27.08.2019	CSA

## **voraussichtliche Topics für 2020 (Deadlines stehen noch nicht fest)**

### **Energy efficiency**

LC-SC3-EE-7-2020: Increasing energy efficiency of small data centres

LC-SC3-EE-12-2020: Innovation procurement for energy efficiency

### **Global leadership in renewables**

LC-SC3-RES-3-2020: International Cooperation with USA on alternative renewable fuels for energy and transport

LC-SC3-RES-9-2020: Next generation of thin-film photovoltaic technologies

LC-SC3-RES-10-2020: Pre-Commercial Procurement for a 100% Renewable Energy Supply

LC-SC3-RES-18-2020: Demonstration of the solutions based on renewable sources that provide flexibility to the energy system

LC-SC3-RES-19-2020: Demonstration of floating wind farms

LC-SC3-RES-20-2020: Efficient combination of concentrated solar power (CSP) and desalination (with particular focus on the Gulf Cooperation Council (GCC) region)

LC-SC3-RES-25-2020: International cooperation for Research and Innovation on advanced biofuels and alternative renewable fuels

LC-SC3-RES-26-2020: Development of next generation biofuel and alternative renewable fuel technologies from CO<sub>2</sub> and renewable energy (Power and Energy to Fuels)

LC-SC3-RES-27-2020: Demonstration of advanced biofuels production from aquatic biomass

### **Smart and clean energy for consumers**

LC-SC3-EC-3-2020: Consumer engagement and demand response

### **Enabling near-zero CO<sub>2</sub> emissions from fossil fuel power plants and carbon intensive industries**

LC-SC3-NZW-6-2020: Geological Storage Pilots

RIA: Research and Innovation Action

IA: Innovation Action

CSA: Coordination and Support Action

SME: SME Instrument