



FFG

HERZLICH WILLKOMMEN

**Ausschreibungen 2018: Vom Energie- und
Verkehrssektor bis zur
Produktionstechnik - Relevante
Technologien für Forschung & Industrie**

7. November 2017, 10 Uhr

WEBINAR ZEITPLAN (Richtwerte)



- 10:00 Sichere, saubere und effiziente Energie / **DI Loicht**
- 10:30 Intelligenter, umweltfreundlicher und integrierter Verkehr/
DI Rohowetz
- 10:50 Weltraum / **DI Rohowetz**
- 11:10 Nanotechnologies, advanced materials, advanced
manufacturing and processing / **DI Kern**

Sichere, saubere und effiziente Energie

Siegfried Loicht

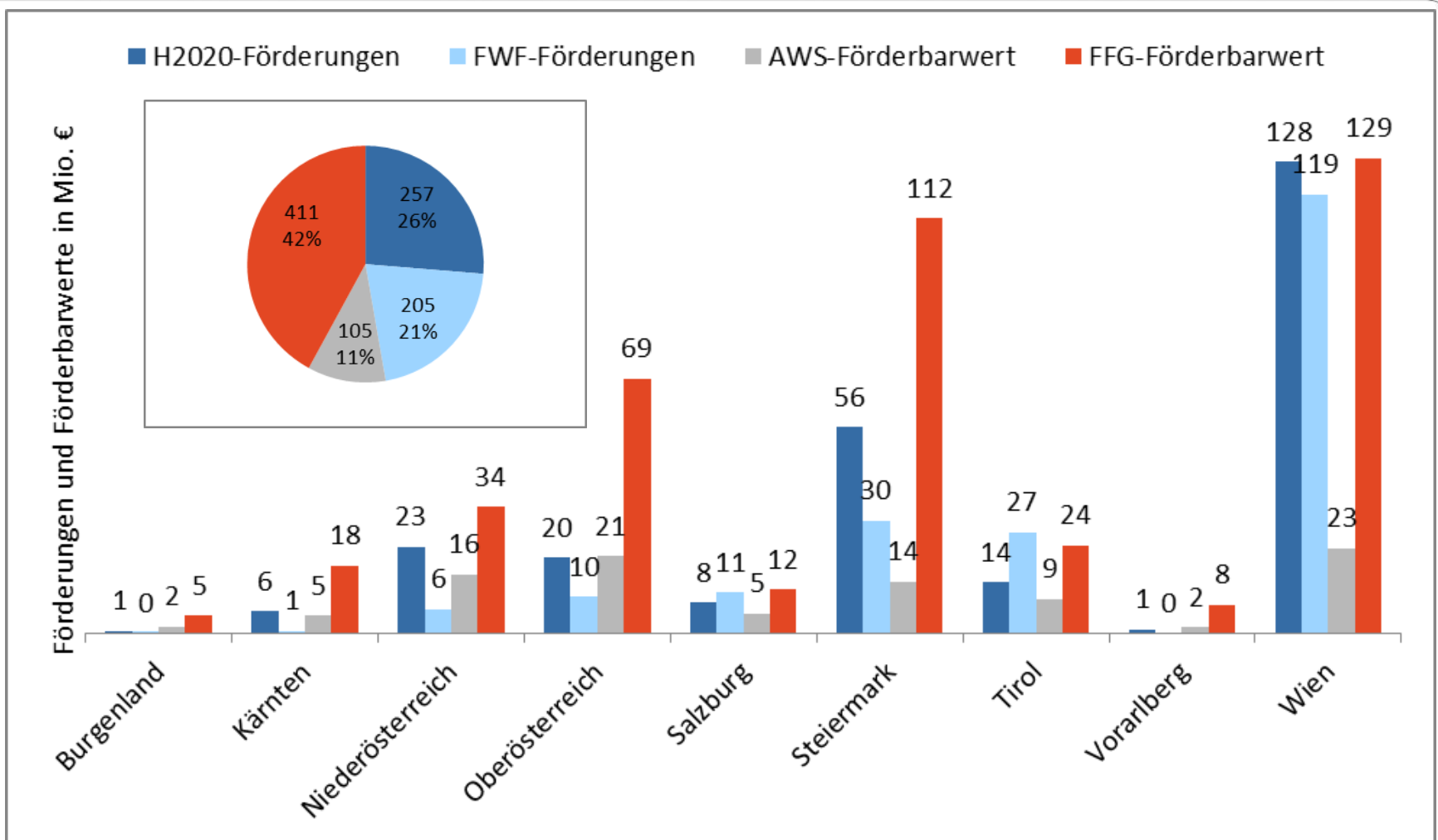
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siegfried.loicht@ffg.at



Wien, 7. November 2017

H2020 IN RELATION ZU NATIONALEN MITTELN FÜR DIREKTE FTI-FÖRDERUNG





HORIZON 2020 – DIE STRUKTUR

BUDGET: ca. 75 Milliarden Euro



Wissenschafts- exzellenz

Excellent Science

Ziel:
Wissenschaftsbasis

1. European Research Council (ERC)
2. Future and Emerging Technologies (FET)
3. Marie Skłodowska-Curie
4. Forschungsinfrastrukturen

Führende Rolle der Industrie

Industrial Leadership

Ziel:
Wachstum

1. Grundlegende und industrielle Technologien (LEIT) inkl. Schlüsseltechnologien (KETs)
2. Risikofinanzierung
3. Innovation in KMU

Gesellschaftliche Herausforderungen

Societal Challenges

Ziel:
**Lösung gesellschaftlicher
Probleme**

1. Gesundheit, demografischer Wandel
2. Ernährung, Biowirtschaft
3. **Energie**
4. **Verkehr**
5. Klimaschutz, Rohstoffe
6. Integrative, innovative und reflexive Gesellschaften
7. Sichere Gesellschaften

- Spreading excellence and widening participation
 - Science with and for Society
 - Europäisches Innovations- und Technologieinstitut (EIT)
 - Gemeinsame Forschungsstelle (JRC)

Rückblick: Energy - Erfolge Eckdaten



	BETEILIGUNGEN		
	ALLE STAATEN	ÖSTERREICH	ANTEIL ÖSTERREICH AN ALLE STAATEN
H2020	59.791	1.684	2,8%
Excellent Science	17.506	409	2,3%
Industrial Leadership	14.434	445	3,1%
Societal Challenges	25.215	757	3,0%
Health, demographic change and wellbeing	4.362	99	2,3%
Food security, sustainable agriculture and forestry, marine and maritime and inland water policy and food, bio-economy and rural development	3.976	66	1,7%
Secure, clean and efficient energy	4.973	183	3,7%
Smart, green and integrated transport	5.351	221	4,1%
Climate action, environment, resource efficiency and raw materials	3.441	91	2,6%
Europe in a changing world - inclusive, innovative and reflective Societies	1.393	47	3,4%
Secure societies - Protecting freedom and security of Europe and its citizens	1.719	50	2,9%
Societal Challenges - Cross-theme	0	0	-
Spreading excellence and widening participation	612	19	3,1%
Science with and for Society	693	38	5,5%

EU-PM: Datenstand: 31.5.2017

Rückblick: Energy - Erfolge Eckdaten



	ALLE STAATEN	ÖSTERREICH	ANTEIL AN ALLE STAATEN
PROJEKTE	775	121	15,6%
BETEILIGUNGEN	4.973	183	3,7%
FÖRDERUNG	2.126.401.155	81.673.760	3,8%
KOORDINATIONEN	775	29	3,7%
BETEILIGUNGEN IN VERTRÄGEN	4.647	183	3,9%
ERFOLGSQUOTE	15,9%	18,9%	

EU-PM: Datenstand: 31.5.2017

Background Energy Work Programme

Policy Context:

- EU Energy Union Strategy
- 2015 Paris Agreement
- 'Clean Energy for all Europeans' package (Nov. 2016)
 - Communication on "Accelerating Clean Energy Innovation (ACEI)
- SET Plan – 10 Key Actions

Core Priorities

- renewable energy
- smart energy systems
- energy efficiency
- Carbon Capture Utilization and Storage (CCUS)

Aim

- decarbonising the EU building stock by 2050
- strengthening EU leadership on renewables
- developing affordable and integrated energy storage solutions

Überblick Energy Work Programme



- **WP** wurde am 27.10. veröffentlicht:
http://ec.europa.eu/research/participants/portal4/desktop/en/funding/reference_docs.html#h2020-work-programmes-2018-20
- Call Start: **ab 31.10.2017**
- ausgeschriebene Themen ähnlich wie bisher, jedoch neue „Struktur“
2018: **40 Topics – 537,3 Mio EUR**
2019: **37 Topics – 592,7 Mio EUR**
- Deadlines:
 - 31 Jan 2018 (First Stage)
 - 23 Aug 2018 (Second Stage)
 - einstufig: 13 Feb/5 Apr/19 Apr/4 Sep/6 Sep/11 Sep 2018 (vom Topic abhängig)

Call - BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: SECURE, CLEAN AND EFFICIENT ENERGY

8 Themenbereiche:

- **Energy efficiency (LC-SC3-EE)**
- **Global leadership in renewables (LC-SC3-RES)**
- **Smart and clean energy for consumers (LC-SC3-EC)**
- **Smart citizen-centred energy system (LC-SC3-ES)**
- **Smart Cities and Communities (LC-SC3-SCC)**
- **Enabling near-zero CO2 emissions from fossil fuel power plants and carbon intensive industries (LC-SC3-NZE)**
- **Joint Actions (LC-SC3-JA)**
- **Cross-cutting issues (LC-SC3-CC)**

Überblick Calls 2018 (1)

Start: 31.10.17



Topic	Budget [Mio.]	Deadlines	Titel
LC-SC3-JA-4-2018 (CSA)	1	31.01.18	Support action in preparation of a Joint Programming activity
LC-SC3-RES-11-2018 (RIA)	30	first stage: 31.01.18	Developing solutions to reduce the cost and increase performance of renewable technologies
LC-SC3-RES-4-2018 (RIA)	27,5	second stage: 23.08.18	Renewable energy system integrated at the building scale
LC-SC3-RES-12-2018 (IA)	30	13.02.18	Demonstrate highly performant renewable technologies for combined heat and power (CHP) generation and their integration in the EU's energy system
LC-SC3-RES-13-2018 (IA)	45		Demonstrate solutions that significantly reduce the cost of renewable power generation
LC-SC3-RES-21-2018 (RIA)	25		Development of next generation biofuels and alternative renewable fuel technologies for road transport
LC-SC3-RES-28-2018-2019-2020 (CSA)	15		Market Uptake support
LC-SC3-RES-5-2018 (IA)	10		Increased performance of technologies for local heating and cooling solutions
LC-SC3-RES-6-2018 (IA)	30		Demonstrate significant cost reduction for Building Integrated PV (BIPV) solutions

Überblick Calls 2018 (2)

Start: 05.12.17



Topic	Budget [Mio.]	Deadlines	Titel
LC-SC3-ES-3-2018-2020 (IA)	26,3	05.04.18	Integrated local energy systems (Energy islands)
LC-SC3-ES-4-2018-2020 (IA)	19		Decarbonising energy systems of geographical Islands
LC-SC3-ES-5-2018-2020 (IA)	30		TSO – DSO – Consumer: Large-scale demonstrations of innovative grid services through demand response, storage and small-scale (RES) generation
	3		Pan-European Forum for R&I on Smart Grids, Flexibility and Local Energy Networks
LC-SC3-ES-7-2018 (CSA)	20		Demonstration of cost effective advanced biofuel pathways in retrofitted existing industrial installations
LC-SC3-RES-22-2018 (IA)	43		Smart Cities and Communities
LC-SC3-SCC-1-2018-2019-2020 (IA)	8,5		19.04.18
LC-SC3-CC-4-2018 (CSA)	12	Disruptive innovation in clean energy technologies	

Überblick Calls 2018 (3)

Start: 25.01.18



Topic	Budget [Mio.]	Deadlines	Titel
LC-SC3-EC-1-2018-2019-2020 (CSA)	5.00	04 Sep 2018	The role of consumers in changing the market through informed decision and collective actions
LC-SC3-EC-2-2018-2019-2020 (CSA)	5.00		Mitigating household energy poverty
LC-SC3-EE-1-2018-2019-2020 (IA)	9.00		Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation
LC-SC3-EE-10-2018-2019-2020 (CSA)	6.00		Mainstreaming energy efficiency finance
LC-SC3-EE-11-2018-2019-2020 (CSA)	7.00		Aggregation - Project Development Assistance
LC-SC3-EE-13-2018-2019-2020 (CSA)	4.00		Enabling next-generation of smart energy services valorising energy efficiency and flexibility at demand-side as energy resource
LC-SC3-EE-14-2018-2019-2020 (RIA)	4.00		Socio-economic research conceptualising and modelling energy efficiency and energy demand
LC-SC3-EE-15-2018 (CSA)	5.00		New energy label driving and boosting innovation in products energy efficiency
LC-SC3-EE-16-2018-2019-2020 (CSA)	8.00		Supporting public authorities to implement the Energy Union
LC-SC3-EE-2-2018-2019 (CSA)	7.00		Integrated home renovation services
LC-SC3-EE-5-2018-2019-2020 (CSA)	5.00		Next-generation of Energy Performance Assessment and Certification
LC-SC3-EE-6-2018-2019-2020 (IA)	9.00		Business case for industrial waste heat/cold recovery
LC-SC3-EE-8-2018-2019 (CSA)	10.00		Capacity building programmes to support implementation of energy audits
LC-SC3-EE-9-2018-2019 (CSA)	6.00		Innovative financing for energy efficiency investments

Überblick Calls 2018 (4)

Start: 15.05.18



Topic	Budget [Mio.]	Deadlines	Titel
LC-SC3-JA-1-2018 (ERA-NET-Cofund)	10.00	11 Sep 2018	Joint programming actions to foster innovative energy solutions
LC-SC3-JA-2-2018 (CSA)	6.00		Support to the realisation of the Implementation Plans of the SET Plan
CE-SC3-NZE-2-2018 (RIA)	12.00	06 Sep 2018	Conversion of captured CO2
LC-SC3-CC-1-2018-2019-2020 (RIA)	10.00		Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition
LC-SC3-CC-2-2018 (RIA)	5.00		Modelling in support to the transition to a Low-Carbon Energy System in Europe
LC-SC3-CC-5-2018 (CSA)	4.00		Research, innovation and educational capacities for energy transition
LC-SC3-CC-6-2018 (CSA)	2.00		Transition in coal intensive regions
LC-SC3-NZE-1-2018 (RIA)	20.00		Advanced CO2 capture technologies
LC-SC3-NZE-3-2018 (CSA)	3.00		Strategic planning for CCUS development

Weitere EU-Fördermöglichkeiten (Auswahl)



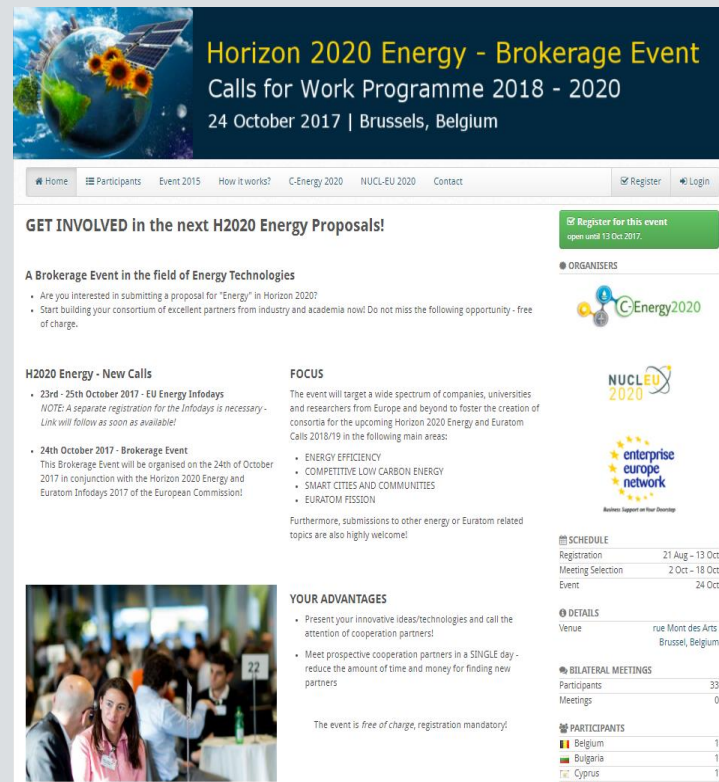
Horizon 2020:

- FCH₂ JU Call: Themen im Bereich Fuel Cells and Hydrogen
Call-Öffnung: vorauss. Jan 2018, Deadline: 2. QT 2018
Budget: rd. 120 M€
<http://www.fch.europa.eu/>
- KMU-Instrument: Innovationsprojekte mit hohem Wachstumspotenzial, Einzel-KMU-Teilnahmen möglich!
Einreichfristen: Phase 1: 08.02.2018, 03.05.2018
Phase 2: 10.01.2018, 14.03.2018
- Fast Track to Innovation: marktnahe Innovationsprojekte in kl. Konsortium (3-5 Partner), schneller Marktstart
Nächste Einreichfristen: 21.02.2018, 31.05.2018
- Eurostars2: thematisch offenes Förderprogramm für F&E treibende KMU
Nächste Einreichfrist: 01.03.2018
www.eurostars-eureka.eu

Horizon 2020 Energy Brokerage Event

Some Key Figures:

- ~280 B2B Participants
- ~ 500 Cooperation Profiles
- ~ 35 countries involved
- ~ 1100 B2B Meetings



Horizon 2020 Energy - Brokerage Event
Calls for Work Programme 2018 - 2020
24 October 2017 | Brussels, Belgium

Home | Participants | Event 2015 | How it works? | C-Energy 2020 | NUCLEU 2020 | Contact

Register for this event
open until 13 Oct 2017.

GET INVOLVED in the next H2020 Energy Proposals!

A Brokerage Event in the field of Energy Technologies

- Are you interested in submitting a proposal for "Energy" in Horizon 2020?
- Start building your consortium of excellent partners from industry and academia now! Do not miss the following opportunity - free of charge.

H2020 Energy - New Calls

- **23rd - 25th October 2017 - EU Energy Infodays**
NOTE: A separate registration for the Infodays is necessary - Link will follow as soon as available!
- **24th October 2017 - Brokerage Event**
This Brokerage Event will be organised on the 24th of October 2017 in conjunction with the Horizon 2020 Energy and Euratom Infodays 2017 of the European Commission!

FOCUS

The event will target a wide spectrum of companies, universities and researchers from Europe and beyond to foster the creation of consortia for the upcoming Horizon 2020 Energy and Euratom Calls 2018/19 in the following main areas:

- ENERGY EFFICIENCY
- COMPETITIVE LOW CARBON ENERGY
- SMART CITIES AND COMMUNITIES
- EURATOM FISSION

Furthermore, submissions to other energy or Euratom related topics are also highly welcome!

YOUR ADVANTAGES

- Present your innovative ideas/technologies and call the attention of cooperation partners!
- Meet prospective cooperation partners in a **SINGLE day** - reduce the amount of time and money for finding new partners

The event is *free of charge*, registration mandatory!

ORGANISERS

C-Energy2020

NUCLEU 2020

enterprise europe network
Business Support on Your Priority

SCHEDULE

Registration	21 Aug - 13 Oct
Meeting Selection	2 Oct - 18 Oct
Event	24 Oct

DETAILS

Venue: rue Mont des Arts, Brussels, Belgium

BILATERAL MEETINGS

Participants	33
Meetings	0

PARTICIPANTS

Belgium	1
Bulgaria	1
Cyprus	1
France	1

Find YOUR Cooperation Partner at:

<http://b2match.eu/energycall2018>

Take Home Message!



Tipps für Ihren Erfolg:

- Realistische Zeitplanung!
- Lesen Sie den Calltext (inkl. Introduction)!
- Richtige Zusammenstellung des Konsortiums – Expertise!
- Klare Angaben zu den TRLs (Technology Readiness Levels)!
- Welchen Impact schaffen Sie mit Ihrem Projekt? (Quantifizieren)
- Adäquate u. nachvollziehbare Budgetplanung!
- Stimmige Struktur u. leichte Lesbarkeit (roter Faden)!

Weiterführende Links



FFG – Horizon 2020

<https://www.ffg.at/Europa>

FFG - Energie

<https://www.ffg.at/sichere-saubere-und-effiziente-energie>

Europäische Kommission

<http://ec.europa.eu/energy>

http://ec.europa.eu/research/energy/index_en.cfm

Fuel Cells and Hydrogen JTI

<http://www.fch.europa.eu/>

SET Plan Information System

<http://setis.ec.europa.eu/>

H2020 Energy Infodays – Recordings & Presentations

<https://ec.europa.eu/easme/en/horizon-2020-secure-clean-and-efficient-energy-info-day>