

HORIZONT 2020 pályázatok 2016-17

NKFIH
National Contact Point
for H2020 Secure, Clean and Efficient Energy
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NRDI Office

- The National Research, Development and Innovation Office founded by the Act "about scientific research, development and innovation" (Act2014/XXLVI) accepted by the Hungarian Parliament (RDI law) with the aim to

"create stable institutional framework for the governmental coordination of the **national research, development and innovation ecosystem**, provide **predictable** funding and implements an efficient and **transparent** use of available resources.,,

Started to work on January 1st 2015

<http://nkfi.gov.hu/english>

<http://www.h2020.gov.hu/>

NEMZETI KUTATÁSI, FEJLESZTÉSI
ÉS INNOVÁCIÓS HÍVATÁL

Management

- Dr. József Pálinkás** - President
ordinary member of the Hungarian Academy of Sciences, PhD in physics
- Gyula P Szigeti MD/PhD** - Vice President for Research and Development
2001: PhD in Physiology and Neurobiology, University of Debrecen
- Endre Spaller** - Vice President, Sociologist

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HONLAPOK

- <http://nkfi.gov.hu/>
- <http://www.h2020.gov.hu/>
- <http://nkfia.kormany.hu>

NEMZETI KUTATÁSI, FEJLESZTÉSI
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HORIZONT 2020

HORIZONT 2020 PROGRAM HOGYAN PÁLYÁZZUNK I. KIVÁLÓ TUDOMÁNY II. IPARI VEZETŐ SZEREP III. TÁRSADALMI KIHÍVÁSOK KAPCSOLÓDÓ FELHÍVÁSOK

III. Társadalmi kihívások → 3. Társadalmi kihívás: Biztonságos, tiszta és hatékony energia

A 3. társadalmi kihívás: Biztonságos, tiszta, hatékony energia

1. Társadalmi kihívás: Egyszerű, biztonságos, megújuló energiák és hőerő
2. Társadalmi kihívás: Életminőség, fenntartható megújultság, környezetvédelem és energiatermelés
3. Társadalmi kihívás: Biztonságos, tiszta és hatékony energia

Hogyan? Secure, clean and efficient energy programmes will play a leading role

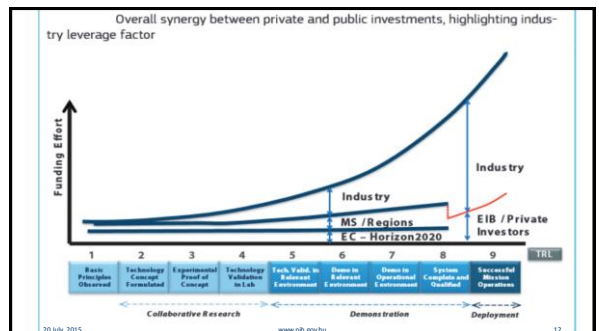
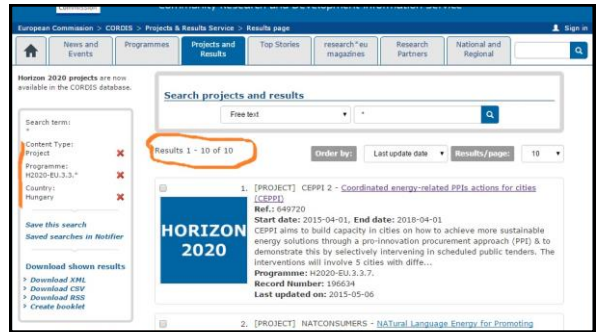
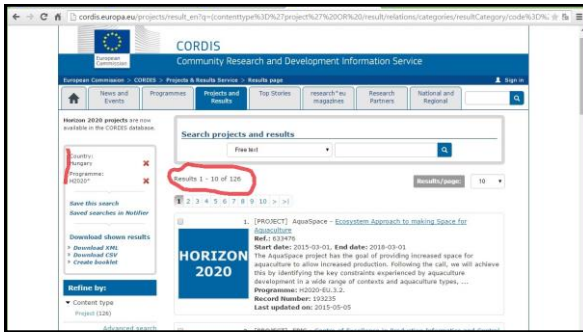
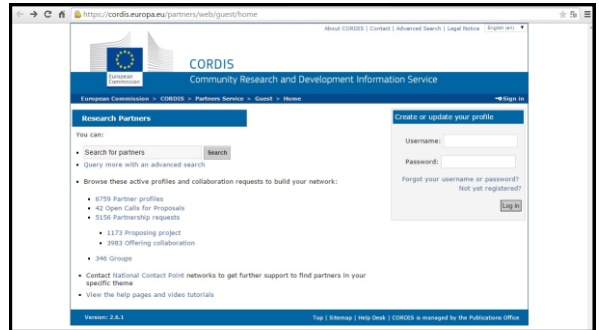
A Horizont 2020 Keretprogram pályázataiban történő részvétel alapvető feltételei

- Kutatási és innovációs akciók (Research & Innovation actions)**
Minimum három független jogalany, amelyek három különböző EU tagállam, vagy társult ország területén lettek létrehozva.
- Innovációs akciók (Innovation actions)**
Minimum három független jogalany, amelyek három különböző EU tagállam, vagy társult ország területén lettek létrehozva.
- KKV Eszköz (SME Instrument)**
Egy profitorientált kis, vagy közepes vállalkozás, amely EU tagállam, vagy társult ország területén lett létrehozva.
- Koordinációs és támogató akciók (Coordination & support actions)**
Minimum egy jogalany, amely EU tagállam, vagy társult ország területén lett létrehozva.
- ERA-NET társfinanszírozott akciók (ERA-NET Cofund)**
Minimum három független jogalany, amelyek három különböző EU tagállam, vagy társult ország területén lettek létrehozva.
Az akcióban résztvevő jogalanyoknak kutatás finanszírozó szervezeteknek kell lenniük.

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Hogyan Pályázzunk

- <http://www.h2020.gov.hu/hogyan-palyazzunk/palyazas-folyamata>
- A Participant Portal-on a H2020 pályázati kiírásokon kívül, az ezekhez tartozó hivatalos útmutatók, legfrissebb információk és a még folyamatban levő 7. kutatási keretprogram (FP7), illetve a Versenyképességi és Innovációs Keretprogram (CIP) felhívásai is megtalálhatók. A Participant Portal-on menedzsment projektek elektronikusan, valamennyi hivatalos jogi anyag és útmutató is innen tölthető le. Intézményét regisztrálhatja, jogi és pénzügyi adatait, hozzáférési jogosultságait, valamint a szerződéseket, időszaki beszámolókat online kezelheti.



ENERGY EFFICIENCY

Heating and cooling related to energy efficiency including research on the implementation of EU product efficiency legislation

EE 1 – 2017: Waste heat recovery/heat recycling from urban built spaces (Building and transport infrastructures) and from waste water for district heating networks

EE 2 – 2017: Demonstration of the applicability of low temperature district heating in areas of buildings with high energy standards

EE 3 – 2017: Replication of successful approaches for the retrofit of multi-family district heating networks guaranteeing substantial primary energy savings and efficiency gains

EE 4 – 2016: Standardised installation packages for the integration of multi-component (hybrid) renewable and energy efficiency packages including smart energy storage into buildings

EE 5 – 2016: Development and demonstration of energy heating and cooling systems and of heating and cooling solutions using low and very low temperature resources

EE 6 – 2016: Models and tools for heating and cooling mapping and planning

EE 7 – 2017: Engaging private consumers towards sustainable energy

EE 8 – 2016/2017: Behavioural change toward energy efficiency through ICT

EE 9 – 2016: Research on behavioural economics

EE 10 – 2017: Public Procurement of Innovative Solutions to increase the energy efficiency of buildings, products and services

EE 11 – 2016: Engaging and activating public authorities

EE 12 – 2016/2017: Peer learning for public bodies involving national district heating network authorities (ERAMUs) - step on public authorities guaranteeing substantial primary energy savings and capacity to help delivering the energy transition

EE 13 – 2016: Supporting accelerated and cost-effective deep renovation of buildings

EE 14 – 2016/2017: Overcoming the market failures and promoting deep renovation of buildings

EE 15 – 2017: Demand response and energy management in buildings

EE 16 – 2016: Cost reduction of new Nearly Zero-Energy Buildings

EE 17 – 2016/2017: Construction skills: Industry, products and services

EE 18 – 2016: Actual implementation of sustainable energy measures in industry and services

EE 19 – 2016/2017: Ensuring effective

EE 20 – 2017: Innovative solutions of industrial symbiosis between intensive industries for the valorisation of waste heat

EE 21 – 2017: Improvement of the energy efficiency of industrial parks by developing energy industrial symbiosis and optimising energy flows by dedicated energy utilities

EE 22 – 2016: New technologies for the efficient recovery of waste heat in large industrial systems

EE 23 – 2017: Driving energy innovation through large buyer groups

EE 24 – 2017: Pre-commercial Innovation procurement of Public Green Data Centres (PCP)

EE 25 – 2016/2017: Project Development Assistance

EE 26 – 2017: Innovative financing schemes

EE 27 – 2016/2017: Making the energy efficiency market invisible

EE 28 – 2016: Development and roll-out of innovative energy efficiency services

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COMPETITIVE LOW-CARBON ENERGY Towards an integrated EU energy system

LCE 1 – 2016: Next generation innovative technologies enabling smart grids, storage and energy system integration with increasing share of renewables, distribution network

LCE 2 – 2016: Demonstration of smart grid, storage and system integration technologies with increasing share of renewables

LCE 3 – 2016: Support to R&I strategy for smart grids and storage

LCE 4 – 2017: demonstration of smart transmission grid, storage and system integration technologies with increasing share of renewables

LCE 5 – 2017: Tools for integration and coordination of the energy system

LCE 6 – 2017: New knowledge and technologies for the next generation of renewable electricity and heating/cooling

LCE 8 – 2016/2017: Development of next generation biofuel technologies

Demonstrating innovative renewable energy technologies (Demonstration activities)

LCE 9 – 2016: Supporting the EU PV manufacturing industry

LCE 10 – 2017: Reducing the cost of PV electricity

LCE 11 – 2017: Near-to-market solutions for reducing the water consumption of CSP plants

LCE 12 – 2017: Near-to-market solutions for the use of solar heat in industrial processes

LCE 13 – 2016: Solutions for reduced maintenance, increased reliability and extended life-time of wind turbines

LCE 14 – 2017: Demonstration of offshore large-110MW wind turbines

LCE 15 – 2016: Development of a >10MW ocean energy array

LCE 16 – 2017: 2nd Generation of design tools for array development and deployment

LCE 17 – 2017: Easy to install and efficient geothermal systems for retrofitting

LCE 18 – 2017: EGS in different geological situations and up-scaling of existing plants

LCE 19 – 2016/2017: Demonstration of the most promising advanced biofuel pathways

LCE 20 – 2016: Market uptake of renewable energy technologies

LCE 21 – 2016: International Cooperation with Brazil on advanced lignocellulosic biofuels

LCE 22 – 2016: International Cooperation with Mexico on geothermal energy

LCE 23 – 2017: Development of new biofuel molecules and their evaluation for the transport sector (joint topic to be discussed with CSA)

XXIX – 2016: Multi-use of the oceans: compatibility, regulations, environmental and legal issues

NEMZETI KUTATÁSI, FELSZERZÉSI ÉS INNOVÁCIÓS HÍVATAL

COMPETITIVE LOW-CARBON ENERGY Towards an integrated EU energy system

Enabling the decarbonisation of the use of fossil fuels during the transition to a low-carbon economy

LCE 24 – 2016: New generation high-efficiency capture processes

LCE 25 – 2016: Utilisation of captured CO2 as feedstock for the process industry

LCE 26 – 2016: Cross-thematic ERA-NET on Applied Geosciences

LCE 27 – 2017: ERA-NET Cofund on Large-Scale Demonstration of CCS

LCE 28 – 2017: Highly flexible and efficient fossil fuel power plants

LCE 29 – 2017: CCS in industry, including Bio-CCS

LCE 30 – 2017: Geological storage pilots

Social, economic and human aspects of the energy system

LCE 31 – 2016/2017: Social Sciences and Humanities Support for the Energy Union

LCE 32 – 2016: European Platform for energy-related Social Sciences and Humanities research (CSA)

Supporting the development of a European research area in the field of energy

LCE 33 – 2016: Pilot action on European Common Research Agendas (ECRAS) in support of the implementation of the SET Plan

LCE 34 – 2016: Framework Partnership Agreement supporting Joint Actions towards the demonstration and validation of innovative energy solutions

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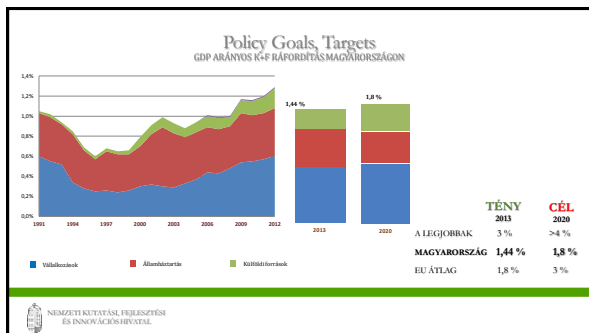
CALL – SMART CITIES AND COMMUNITIES – WITH NATURE-BASED SOLUTIONS

SCC 1 – 2016/2017: Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) project

CALL – STIMULATING THE INNOVATION POTENTIAL OF SMES FOR A LOW CARBON AND EFFICIENT ENERGY SYSTEM

SIE 1 – 2016/2017: Stimulating the innovation potential of SMEs for a low carbon and efficient energy system

NEMZETI KUTATÁSI, FELSZERZÉSI ÉS INNOVÁCIÓS HÍVATAL



National Research, Development and Innovation Fund (NRDI Fund)

- The only fund succeeds the former Research and Technology Innovation Fund and the Hungarian Scientific Research Fund.
- According to the RDI law the NRDI Office handles the NRDI Fund.
 - www.nkfi.gov.hu
 - http://www.portfolio.hu/unios_forrasok/gazdasagfejlesztes/itt_a_bejelentes_atgvurjak_az_idei_eu-s_palyazatok_menetrendjet.1.215644.html
- http://palyazat.gov.hu/megjelentek_a_2014_2020_as_fejlesztési_idoszak_első_felhívásai

KÖSZÖNÖM A FIGYELMÜKET