

# Informativni dan Obzorje 2020

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## 3. družbeni izziv: Varna, čista in učinkovita energija

Societal Challenge 3: Secure, Clean and Efficient Energy



**Mag. Milena Černilogar-Radež, SC3 NCP**

Ministrstvo za infrastrukturo

Direktorat za energijo



# Vsebina predstavitve

- Pregled rezultatov razpisov 2014-2015
- Razpisi delovnega programa 2016-2017
- Nasveti, priporočila, pobude
- Zaključek



# Pregled rezultatov razpisov 2014-2015

- Na področju energije so naši prijavitelji uspešni v 15 projektih
  - Nadpovprečno uspešni smo bili na področju pametnih omrežij; 30%
    - nekateri projekti obravnavajo tudi hranilnike električne energije
  - Manj uspešni smo bili na področju URE in OVE; 4%
- V 3 projektih na področju energije naši prijavitelji vodijo konzorcij
- Na podlagi uspešnih prijav bo na področju energije vrednost podpisanih pogodb iz DP 2014-2015 presegla 14 mio EUR
- Rezultate DP 2014-2015 je treba NADGRADITI
  - predvsem na področjih, kjer smo bili manj uspešni
  - s ciljem, da bi bila višja oba kazalnika
    - število projektov
    - odobrena sredstva



# Razpisi delovnega programa 2016- 2017

- Vsebina pretežno obravnava dvoje področij:
  - Učinkovita raba energije
  - „Konkurenčna nizko-ogljčna energija“ (omrežja, OVE)
- Pametna mesta in skupnosti
  - Vsebina je obravnavana v okviru področja „Pametna in trajnostna mesta“ („cross-cutting part DP; Annex 20)
    - ni v dokumentu DP - energija
- Razpisi za mala in srednja podjetja
  - Za področje energije
- „Fast track to Innovation“ (Annex 18)
  - Za področje energije
- Other actions
  - Sofinanciranje dejavnosti EU organizacijam in združenjem, dejavnosti SET Načrta in pomoč državam pri implementaciji EU direktiv, ...



# Podatki o razpisih

- Šifra razpisa
- Naslovi razpisanih tem
- Vrsta razpisa (IA, CSA, RIA, ERA NET Cofound)
- Razpoložljiva sredstva
- Sredstva namenjena posameznemu projektu
- Datum odprtja razpisa
- Roki za oddajo prijave

so podani v delovnem programu in povzeti v preglednicah

Nacionalna kontaktna oseba za 3. družbeni izvir (vama, čista in učinkovita energija): Milena Čemiligar Ražej, milena.chemiligar-razej@gov.si

SOCIETAL CHALLENGE 3 - SECURE, CLEAN AND EFFICIENT ENERGY								
		TYPE	AVAILABLE BUDGET	PROJECT WORTH	predvideno št. sofinanc. projektov	COPIE RAZPISA	DEADLINE	1/2 CALL
<b>H2020-EE-2016-2017, CALL - ENERGY EFFICIENCY CALL 2016-2017</b>								
<b>1. Heating and cooling</b>								
EE-01-2017	Waste heat recovery from urban facilities and re-use to increase energy efficiency of district or individual heating and cooling systems	IA	N.D.A.	3-4 mio€	N.D.A.	15.9.2016	19.1.2017	1
EE-02-2017	Improving the performance of inefficient district heating networks	CSA	N.D.A.	1-2 mio€	N.D.A.	19.1.2017	7.6.2017	1
EE-03-2016	Standardised installation packages integrating renewable and energy efficiency solutions for heating, cooling and/or hot water preparation	IA	N.D.A.	3-4 mio€	N.D.A.	15.10.2015	21.1.2016	1
EE-04-2016-2017	New heating and cooling solutions using low grade sources of thermal energy	RIA	N.D.A.	3-4 mio€	N.D.A.	15.10.2015	21.1.2016	1
						15.9.2016	19.1.2017	2
EE-05-2016	Models and tools for heating and cooling mapping and planning	RIA	N.D.A.	2.5-3 mio€	N.D.A.	15.10.2015	21.1.2016	1
<b>2. Engaging consumers towards sustainable energy</b>								
EE-06-2016-2017	Engaging private consumers towards sustainable energy	CSA	N.D.A.	1-2 mio€	N.D.A.	15.3.2016	15.9.2016	1
						19.1.2017	7.6.2017	2
EE-07-2016-2017	Behavioural change toward energy efficiency through ICT	IA	N.D.A.	1-2 mio€	N.D.A.	15.10.2015	21.1.2016	1
						15.6.2016	19.1.2017	2
EE-08-2016	Socio-economic research on consumer's behaviour related to energy efficiency	RIA	N.D.A.	1-1.5 mio€	N.D.A.	15.10.2015	21.1.2016	1
EE-09-2016-2017	Engaging and activating public authorities	CSA	N.D.A.	1-2 mio€	N.D.A.	15.3.2016	15.9.2016	1
						19.1.2017	7.6.2017	2
<b>3. Buildings</b>								
EE-10-2016	Supporting accelerated and cost-effective deep renovation of buildings through Public Private Partnership (EaB PPP)	IA	N.D.A.	3-4 mio€	N.D.A.	15.10.2015	21.1.2016	1
EE-11-2016-2017	Overcoming market barriers and promoting deep renovation of buildings	CSA	N.D.A.	1-2 mio€	N.D.A.	15.3.2016	15.9.2016	1
						19.1.2017	7.6.2017	2
EE-12-2017	Integration of Demand Response in Energy Management Systems while ensuring interoperability through Public Private Partnership (EaB PPP)	IA	N.D.A.	3-4 mio€	N.D.A.	15.6.2016	19.1.2017	1
EE-13-2016	Cost reduction of new Nearly Zero-Energy buildings	CSA	N.D.A.	1-2 mio€	N.D.A.	15.3.2016	15.9.2016	1
EE-14-2016-2017	Construction skills	CSA	N.D.A.	0.5-1 mio€	N.D.A.	15.3.2016	15.9.2016	1
						19.1.2017	7.6.2017	2
<b>4. Industry, services and products</b>								
EE-15-2017	Increasing capacities for actual implementation of energy efficiency measures in industry and services	CSA	N.D.A.	1-2 mio€	N.D.A.	19.1.2017	7.6.2017	1
EE-16-2016-2017	Effective implementation of EU product efficiency legislation	CSA	N.D.A.	1-2 mio€	N.D.A.	15.3.2016	15.9.2016	1
						19.1.2017	7.6.2017	2
EE-17-2016-2017	Valorisation of waste heat in industrial systems (SPIRE PPP)	IA	N.D.A.	4-9 mio€	N.D.A.	15.10.2015	21.1.2016	1
						15.6.2016	19.1.2017	2
EE-18-2017	Energy efficiency of industrial parks through energy cooperation and mutualised energy services	CSA	N.D.A.	3-4 mio€	N.D.A.	19.1.2017	7.6.2017	1
EE-19-2017	Public procurement of innovative solutions for energy efficiency	PPIS	N.D.A.	1-2 mio€	N.D.A.	19.1.2017	7.6.2017	1
EE-20-2017	Bringing to market more energy efficient and integrated data centres	IA	N.D.A.	2-3 mio€	N.D.A.	15.6.2016	19.1.2017	1
EE-21-2016	ERA-NET Cofund actions supporting joint actions towards increasing energy efficiency in industry and services	ERA-NET C	N.D.A.	5 mio€	N.D.A.	15.3.2016	15.9.2016	1
<b>5. Innovative financing for energy efficiency investments</b>								
EE-22-2016-2017	Project Development Assistance	CSA	N.D.A.	0.5-1.5 mio€	N.D.A.	15.3.2016	15.9.2016	1
						19.1.2017	7.6.2017	2
EE-23-2017	Innovative financing schemes	CSA	N.D.A.	1-2 mio€	N.D.A.	19.1.2017	7.6.2017	1
EE-24-2016-2017	Making the energy efficiency market investible	CSA	N.D.A.	1-1.5 mio€	N.D.A.	15.3.2016	15.9.2016	1
						19.1.2017	7.6.2017	2
EE-25-2016	Development and roll-out of innovative energy efficiency services	CSA	N.D.A.	1-2 mio€	N.D.A.	15.3.2016	15.9.2016	1

# „Politično ozadje“

## 2030 Climate-Energy Package

- 40% reduction of Greenhouse Gases
- 27% of renewable energy
- 27% improvement in energy efficiency



## Energy Union

- *Energy security, solidarity and trust*
- *A fully integrated internal energy market*
- *Energy efficiency first*
- *Transition to a low-carbon society*
- *An Energy Union for Research, Innovation and Competitiveness*

## SET-Plan

- *Integrated Roadmap*
- *Communication on Integrated SET-Plan (COM[2015]6317)*



# Pregled področij in predvidena sredstva

## Energy Efficiency (EE)

- Heating and Cooling
- Engaging consumers
- Buildings
- Industry, services and Products
- Innovative financing

## Competitive low-carbon energy Technologies (LCE)

- Energy system (grids, storage)
- Renewable energies
- Decarbonising fossil fuels
- Socio-economic research
- European Research Area in energy

## Smart Cities and Communities (SCC)

- Light-house demonstration projects

## SME instrument (SIE)

### Call budgets (in Mio €)

Call	2016	2017
EE	93	101
LCE	352,66	367,62
SCC	60	71,50
SME	46	50

# Namen – sistemski pristop k zadanim ciljem

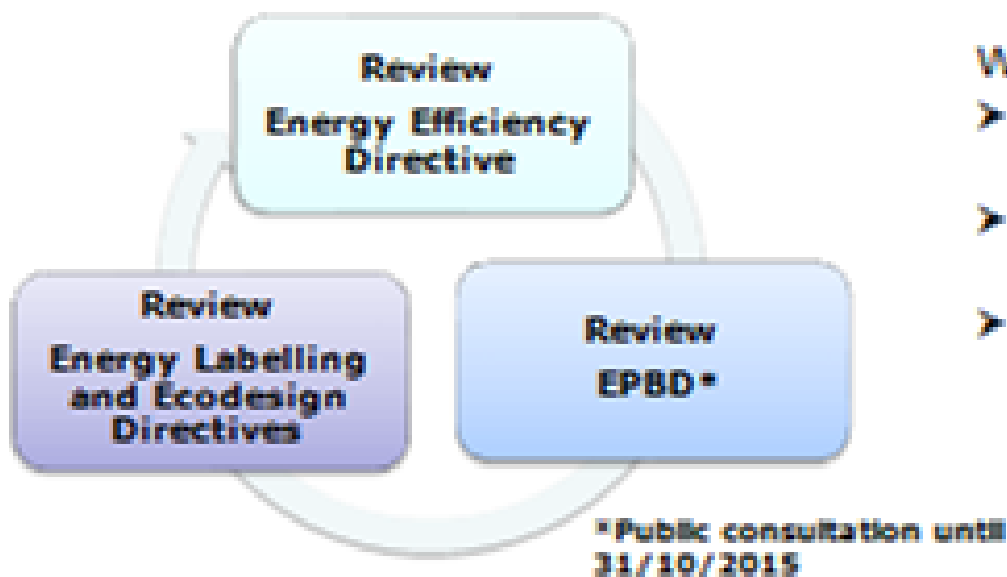




# Področje URE: podlage, teme

## Policy context

- 2020 & 2030 Framework for Climate and Energy
- Energy Union and its third pillar – Energy Efficiency



### WP 2016-2017:

- Focussing on consumer-related issues
- More topics on heating and cooling
- Multi-level approach to eliminate market barriers to finance for energy efficiency



# Področje „LCE“

- Integrated EU energy system
- Renewable energy technologies
- Decarbonization of fossil fuels
- Social, economics and human aspects
- European Research Area in Energy
- Cross cutting Issues



# Pametna mesta in skupnosti





# Za mala in srednja podjetja ...

- **Seamless business innovation support**
- **Completely bottom-up – all areas of the Energy Challenge covered**
- **Only open to SMEs – also single-beneficiaries possible**

## **3 phases of support (no need to start with phase 1)**

- 1. Business innovation grants (feasibility studies, lump sum of EUR 50,000 per project);**
  - 2. Business innovation grants for innovation development & demonstration purposes (between EUR 0.5 – 2.5 million / project)**
  - 3. Free-of-charge business coaching, access to a wide range of innovation support services and facilitated access to risk finance to facilitate the commercial exploitation of the innovation.**
- ✓ **4 submission deadlines per year for phase 1 and 2**
  - ✓ **Budget for the Energy SME topic (SMEInst-09-2016-2017):**
    - ✓ **46 MC in 2016**
    - ✓ **50 MC in 2017**



# Fast-track to Innovation Pilot

- Innovation from the demonstration stage through to market uptake (starting as of TRL 6)
- Completely bottom-up – covers all areas addressed by H2020
- Small consortia with strong participation from industry
- Business plans mandatory
- 3 submission deadlines in 2016 (15/3, 1/6, 25/10/2016)
- Budget 100 M€ (no earmarking for areas)



# Nasveti, priporočila, pobude

- Udeležba na informativnih dnevih, ki jih za posamezna področja organizira EK
  - EE – 14.-15. sept. in LCE – 2. okt (že realizirano)
  - SCC – 6. nov.
  - vse informacije o informativnih dnevih so na spletnih straneh EK (predstavitve, posnetki predavateljev, razprave, ...)
- Aktivno sodelovanje v mednarodnih združenjih
- Poslovno sodelovanje z organizacijami iz tujine in dajanje pobud za prijavo na projekte
- Povezovanje in sodelovanje na državni ravni

# Zaključek

- „Vabili“:
  - pridružite se ocenjevalcem poslanih prijav
    - na področju energije smo predstavniki Slovenije zelo slabo zastopani
  - želimo oblikovati skupino strokovnjakov iz različnih področij, ki dobro poznajo razmere v državi in pretekle razpise, da bi v prihodnje lahko kot „slovenska delegacija“ bolj aktivno sodelovali pri oblikovanju delovnih programov
    - priprave delovnega programa za leti 2018 – 2019 (2020?) se bodo pričele kmalu po novem letu
- „Stati na mestu pomeni nazadovati“ in prav je, da rezultate v prihodnjih dveh letih nadgradimo
  - preglejte vsebine ostalih področij, ki niso samo vaše ožje področje
    - ekologi boste imeli že ta teden razpisano temo v povezavi s hidroelektrarnami
  - želim vas spodbuditi, da se na razpise v delovnem programu 2016-2017 odzovete proaktivno in na visoki strokovni ravni



# Koristne povezave

- MIZŠ in Obzorje 2020: <http://www.mizs.gov.si/si/obzorje2020>
- Participant portal: <http://ec.europa.eu/research/participants/portal/desktop/en/home>
- ERA Portal – AUSTRIA: <http://era.gv.at/>

**Nacionalna kontaktna oseba**  
**Milena Černilogar Radež**

# NCP mrežo tvorijo predstavniki



REPUBLIKA SLOVENIJA  
**MINISTRSTVO ZA GOSPODARSKI  
RAZVOJ IN TEHNOLOGIJO**



REPUBLIKA SLOVENIJA  
**MINISTRSTVO ZA INFRASTRUKTURO**



REPUBLIKA SLOVENIJA  
**MINISTRSTVO ZA IZOBRAŽEVANJE,  
ZNANOST IN ŠPORT**

**SPIRIT** | **I FEEL**  
SLOVENIJA | SLOVENIA  
JAVNA AGENCIJA



REPUBLIKA SLOVENIJA  
**MINISTRSTVO ZA OKOLJE IN PROSTOR**