

# **Eiropas Savienības pētniecības un inovācijas programma «Horizonts 2020»**

## **«Klimata pārmaiņas, vide, resursu efektivitāte un izejvielas»**

**Informatīvs seminārs par aktuāliem  
projektu pieteikumu konkursiem  
Rīga, Latvijas Zinātņu akadēmija  
2014.g. 7. janvāris**

*Andis Zilāns, SZA Nacionālā kontaktpunkta eksperts*

The logo for the Horizon 2020 program. It features the word "HORIZON" in large, white, sans-serif capital letters, followed by a small globe of the Earth, and then the numbers "2020" in the same font. The background is a dark blue gradient with a bright light source behind the globe, creating a lens flare effect.

**HORIZON 2020**

# Eiropas Savienības pētniecības un inovācijas programma «Horizonts 2020» Kas ir jauns?

- €70 miljardu pētniecībai un inovācijai 2014.-2020. gadam
- vienā programmā apvienotas trīs programmas/ iniciatīvas:
  - ietvarprogramma pētniecībai
  - daļa no CIP programmas (Konkurētspējas un inovācijas ietvarprogramma)
  - ES ieguldījums «Eiropas inovāciju un tehnoloģiju institūta iniciatīvā» (EIT)
- apvienota pētniecība ar visa veida inovācijām: no pētījuma līdz komercializācijai
- «izaicinājumi sabiedrībai» (*societal challenges*): veselība, enerģētika, transports, vide, u.c.
- «Klimata, vides, resursu efektivitātes un ilgtspējības» jautājumi iekļauti citās H2020 sadaļās
- 60% no kopējā H2020 budžeta jāsaista ar ilgtspējību, bet 35% ar klimata mainību



H O R I Z  N 2 0 2 0

# Trīs prioritātes



## Izaicinājumi sabiedrībai (*Societal Challenges*) €30 milj.

- Veselība, demogrāfiskās izmaiņas un labklājība
- Pārtikas drošība, ilgtspējīga lauksaimniecība, jūras un piejūras pētniecība, bioekonomika
- Droša, 'tīra' un efektīva enerģija
- Vieds, 'zaļš' un integrēts transports
- **Klimata pārmaiņas, vide, resursu efektivitāte un izejvielas**
- Iekļaujošas un inovatīvas sabiedrības
- Drošas sabiedrības

## Vadība rūpniecībā (*Industrial Leadership*) €16 milj.

- Vadība rūpnieciskās tehnoloģijās
- Piekļuve riska kapitāla finansējumam
- Inovācija MVU

## Izcila zinātne (*Excellent Science*) €24 milj.

- Eiropas Pētniecības padome (ERC)
- Nākotnes un jaunās tehnoloģijas (FET)
- Marijas Sklodovskas-Kirī aktivitātes
- Pētniecības infrastruktūras

HORIZON 2020



## Proposed funding (€ million, 2014-2020)

SC1: Health, demographic change and wellbeing	7 472
SC2: Food security, sustainable agriculture, marine and maritime and inland water research & the Bioeconomy	3 851
SC3: Secure, clean and efficient energy *	5 931
SC4: Smart, green and integrated transport	6 339
<b>SC5: Climate action, environment, resource efficiency and raw materials</b>	<b>3 081</b>
SC6: Europe in a changing world-inclusive, innovative and reflective societies	1 309
SC7: Secure societies-protecting freedom and security of Europe and its citizens	1 695
<i>Science with and for society</i>	462
<i>Spreading excellence and widening participation</i>	816

□ Additional funding for nuclear safety and security from the Euratom Treaty activities (2014-2018)



# HORIZON 2020

# Klimata pārmaiņas, vide, resursu efektivitāte un izejvielas

## Prioritātes

- Mitigācija un pielāgošanās klimata mainībai
- Vides aizsardzība un ilgtspējīga resursu, ūdens, bioloģiskās daudzveidības, ekosistēmu pārvaldība
- Ilgtspējīgs nodrošinājums ar izejvielām (izņemot enerģētikas un lauksaimniecības)
- Virzība uz zaļo ekonomiku pielietojot eko-inovācijas
- Ilgtspējīgas globālās vides novērošanas un informācijas sistēmas
- Kultūras mantojums

HORIZON 2020



# SC5: Klimata pārmaiņas, vide, resursu efektivitāte un izejvielas

## Galvenie jaunumi

- integrēta un starpdisciplināra pieeja ar plaši definētām tēmām
- tiek veicināta «zaļa» ekonomika/ sabiedrība un eko-inovācijas, tai skaitā sociālās inovācijas
- vairāk tiek skatīti sociāli ekonomiskie aspekti
- jauna tēma «izejvielas»
- «vide un veselība» pie veselības sadaļas (SC1)
- no 12 prioritārām H2020 tematikām piecas saistītas ar SC5 – **«atkritumu» un «ūdens»** tēmas atsevišķas sadaļas SC5 2014./2015.g. darbu programmā
- tēma **«Aizsargāta sabiedrība un pielāgošanās klimata mainībai»** iekļauta SC7
- jūras pētniecības tēmas **«blue growth»** iekļautas SC2
- energoefektivitātes (SC3) un kultūras mantojuma (SC5) kopējās tēmas

# SC5: Klimata pārmaiņas, vide, resursu efektivitāte un izejvielas

- SC5 darbu programma veidota uz diviem gadiem (2014./2015.g.)
- **tēmas 2015. gada konkursam ir indikatīvas – izmaiņas iespējamās**
- SC5 2014. gada konkurss izsludināts 2013. gada 11. decembrī - **€300 milj.,**
- **30 tēmas**

## 2014. gada tēmas

- iesniegšanas termiņš 2014-04-08 – vienpakāpes un divpakāpju vērtēšana (pirmā kārtā).
- iesniegšanas termiņš 2014-09-16 - divpakāpju vērtēšana (otrā kārtā).

## 2015. gada tēmas

- iesniegšanas termiņš vienpakāpes vērtēšana - 2015-03-10.
- iesniegšanas termiņš divpakāpju vērtēšana - 2014-10-16; 2015-03-10.

□Additional funding for nuclear safety and security from the Euratom Treaty activities (2014-2018)

HORIZON 2020





# SC5: Klimata pārmaiņas, vide, resursu efektivitāte & izejvielas



HORIZON 2020

The EU Framework Programme for Research and Innovation

<http://ec.europa.eu/programmes/horizon2020/>

**HORIZON 2020**

**WORK PROGRAMME 2014 – 2015**

*12. Climate action, environment, resource efficiency and raw materials*

□Additional funding for nuclear safety and security from the Euratom Treaty activities (2014-2018)

HORIZON 2020

2014. gada "VIDES" konkursa sadaļas	Tēmu skaits	
	2014. gads	
	vienpakāpes	divpakāpju
<b>ATKRITUMI</b>	5	2
<b>ŪDENS</b>	3	2
<b>SC5</b>		
<b>Klimats</b>	1	3
<b>Vides/ dabas aizsardzība</b>	4	1
<b>Izejvielas</b>	5	0
<b>Globālās vides novērošanas sistēmas</b>	1	1
<b>Zaļā ekonomika</b>	1	0
<b>Horizontālās tēmas</b>	1	0

□Additional funding for nuclear safety and security from the Euratom Treaty activities (2014-2018)

**HORIZON 2020**



# ATKRITUMI: Resursi pārstrādei, otreizējai izmantošanai un izejvielu atgūvei

## **H2020-WASTE-2014-one-stage**

WASTE-3-2014: Recycling of raw materials from products and buildings

WASTE-4a-2014: An EU near-zero waste stakeholder platform

WASTE-4b-2014: Global waste dimension

WASTE-4c-2014: Secondary raw materials inventory

WASTE-5-2014: Preparing and promoting innovation procurement for resource efficiency

## **H2020-WASTE-2014-two-stage**

WASTE-1-2014: Moving towards a circular economy through industrial symbiosis

WASTE-2-2014: A systems approach for the reduction, recycling and reuse of food

HORIZON 2020



# INOVĀCIJA ŪDENS JOMĀ

## **H2020-WATER-2014-one-stage**

WATER-3-2014: Stepping up EU research and innovation cooperation in the water area

WATER-4a-2014: Dissemination and exploitation, ICT, knowledge, gaps, research needs, etc

WATER-5a-2014: Strategic cooperation partnerships

## **H2020-WATER-2014-two-stage**

WATER-1a-2014: First application and market replication

WATER-2a-2014: Water cycle under future climate

HORIZON 2020



## SC5: Mitigācija un pielāgošanās klimata mainībai

SC5-01-2014: Advanced Earth-system models (2020-SC5-2014-two-stage)

SC5-03a-2014: Economic assessment of climate change (2020-SC5-2014-two-stage)

SC5-03b-2014: Linkages between climate change actions and sustainable development  
(2020-SC5-2014-two-stage)

SC5-05a-2014: Climate change mitigation options (2020-SC5-2014-one-stage)

HORIZON 2020



# SC5: Vides aizsardzība un ilgtspējīga resursu, ūdens, bioloģiskās daudzveidības, ekosistēmu pārvaldība

SC5-06-2014: Biodiversity and ecosystem services: drivers of change and causalities **(2020-SC5-2014-two-stage)**

SC5-08-2014: Preparing and promoting innovation procurement for soil decontamination **(2020-SC5-2014-one-stage)**

SC5-09-2014: Consolidating the European Research Area on biodiversity and ecosystem services **(2020-SC5-2014-one-stage)**

SC5-10a-2014: Enhancing mapping ecosystems and their services **(2020-SC5-2014-one-stage)**

SC5-10b-2014: Structuring research on soil, land-use and land management in Europe **(2020-SC5-2014-one-stage)**

HORIZON 2020



# SC5: Ilgtspējīgs nodrošinājums ar izejvielām (izņemot enerģētikas un lauksaimniecības)

SC5-11a-2014: New solutions for sustainable production of raw materials (2020-SC5-2014-one-stage)

SC5-11b-2014: Flexible processing technologies (2020-SC5-2014-one-stage)

SC5-12a-2014: Materials for electronic devices (2020-SC5-2014-one-stage)

SC5-13a-2014: Mineral deposits of public importance (2020-SC5-2014-one-stage)

SC5-13b-2014: Strategic international dialogues and cooperation on raw materials with technologically advanced countries (2020-SC5-2014-one-stage)

HORIZON 2020



# SC5: Ilgtspējīgas globālās vides novērošanas un informācijas sistēmas

SC5-16-2014: Making Earth Observation and Monitoring Data usable for ecosystem modelling and services (2020-SC5-2014-two-stage)

SC5-18a-2014: Coordinating European Observation Networks to reinforce the knowledge base for climate, natural resources and raw materials (2020-SC5-2014-one-stage)

## SC5: Virzība uz zaļo ekonomiku pielietojot eko-inovācijas

SC5-14-2014: Consolidating global knowledge on the green economy in support of sustainable development objectives in Europe and internationally (2020-SC5-2014-one-stage)

HORIZON 2020





(A-Z) [Sitemap](#) [About this site](#) [Contact](#) [Legal Notice](#) English ▾



# RESEARCH & INNOVATION

## Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

HOME | [FUNDING OPPORTUNITIES](#) | [HOW TO PARTICIPATE](#) | [EXPERTS](#) | [SUPPORT ▾](#) | [LOGIN](#) | [REGISTER](#)

### Welcome to the Research and Innovation Participant Portal

**About the Participant Portal:**

The Participant Portal is your entry point for the electronic administration of EU-funded research and innovation projects. It hosts services for managing proposals and projects throughout their lifecycle.

The Participant Portal supports activities funded mainly by the following EU programmes:

- **7th Framework Programme for Research and Technological Development (FP7)**
- **Competiveness and Innovation Framework Programme (CIP)**

**Using the Participant Portal:**


**As a guest user,** browse the public pages to:

- search for funding opportunities
- download guidance and legal documents
- search for the participant identification code (PIC) of an organisation
- contact the FP7 support services and browse the FAQ for guidance on the Participant Portal tools

**As a registered user,** benefit from personalised services for proposal submission, negotiation, and project management.




WHATS NEW




FUNDING OPPORTUNITIES




HOW TO PARTICIPATE?



WORK AS AN EXPERT



ACCESS MY PERSONAL AREA



INFORMATION AND SUPPORT

RESEARCH ON EUROPA | [CORDIS](#) | [OLAF](#)



# RESEARCH & INNOVATION

## Participant Portal

**BETA VERSION 4**

European Commission > Research & Innovation > Participant Portal > Funding Opportunities

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS

SUPPORT

LOGIN

REGISTER

Calls

Horizon 2020

COSME

Search Topics

Call Updates

Other Funding Opportunities

Previous Framework Programmes (FP7 & CIP)

## HORIZON 2020 CALLS

FUNDING GUIDE

66 results

Filter options

Specific Programme:

- Excellent Science
- Industrial Leadership
- Societal Challenges
- Spreading excellence and widening participation
- Science with and for society

Type:

- Calls for proposal
- Calls for tender

Status:

- Open calls
- Closed calls
- Forthcoming calls

Sort by:

- Publication date
- Deadline
- Title
- Call ID

<b>research infrastructures</b> H2020-RIDEV-2014/2015 PUBDATE 2013-12-11 DEADLINE 2014-03-12	<b>Materials and KET support</b> H2020-NMK-2014/2015 PUBDATE 2013-12-11 DEADLINE 2014-03-12	<b>H2020-SFS-2014/2015</b> PUBDATE 2013-12-11 DEADLINE 2014-03-18
<i>call for proposals</i> <b>SOCIETAL CHALLENGES</b> Water Innovation: Boosting its value for Europe H2020-WATER-2014/2015 PUBDATE 2013-12-11 DEADLINE 2014-03-18	<i>call for proposals</i> <b>EXCELLENT SCIENCE</b> Marie Skłodowska-Curie Innovative Training Network H2020-MSCA-ITN-2014 PUBDATE 2013-12-11 DEADLINE 2014-04-08	<i>call for proposals</i> <b>SOCIETAL CHALLENGES</b> Mobility for Growth H2020-MG-2014/2015 PUBDATE 2013-12-11 DEADLINE 2014-03-18
<i>call for proposals</i> <b>EXCELLENT SCIENCE</b> FET Open - fostering novel ideas H2020-FETOPEN-2014/2015	<i>call for proposals</i> <b>INDUSTRIAL LEADERSHIP</b> Biotechnologies H2020-BIOTEC-2014/2015	<i>call for proposals</i> <b>SOCIETAL CHALLENGES</b> Blue Growth: Unlocking the potential of the oceans H2020-BG-2014/2015

Stay informed

RSS feed

iCal

Email notification



# RESEARCH & INNOVATION Participant Portal

**BETA VERSION 4**

European Commission > Research & Innovation > Participant Portal > Funding Opportunities

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS

SUPPORT



LOGIN



REGISTER

Calls

Horizon 2020

COSME

Search Topics

Call Updates

Other Funding Opportunities

Previous Framework Programmes (FP7 & CIP)

## HORIZON 2020 CALLS

FUNDING GUIDE

### WATER INNOVATION: BOOSTING ITS VALUE FOR EUROPE

H2020-WATER-2014/2015

<b>Publication date:</b>	2013-12-11	<b>Deadline Date:</b>	2014-03-18 +17:00:00 (Brussels local time)
		<b>Stage 2:</b>	2014-05-22 +17:00:00 (Brussels local time)
<b>Budget:</b>	€65.000.000	<b>Specific programme:</b>	Societal challenges
<b>Status:</b>	Open	<b>OJ reference:</b>	<a href="#">OJ C2020 11 of December 2013</a>

#### Call summary

Water is an invaluable resource for human health, food security, sustainable development and the environment, and is an economic sector of growing importance for Europe. However, water resources are constantly under pressure from climate change, urbanisation, pollution, overexploitation of freshwater resources and increasing competition between various user groups, and the improvement of the state of water resources will trigger substantial economic benefits. [More...](#)

#### Topics

- ▶ [WATER 1 – 2014/2015: Bridging the gap from innovative water solutions to market replication](#)
- ▶ [WATER 2 – 2014/2015: Integrated approaches to water and climate change](#)
- ▶ [WATER 3 – 2014/2015: Stepping up EU research and innovation cooperation in the water area](#)
- ▶ [WATER 4 – 2014: Harnessing EU water research and innovation results for industry, policy makers and citizens](#)
- ▶ [WATER 5 – 2014/2015: Strengthening international R&I cooperation in the field of water](#)

Latest info

Call documents

Submission Service

Get support

Subscribe to Notification

Stay informed

RSS feed ⓘ

iCal ⓘ

Email notification ⓘ



# RESEARCH & INNOVATION Participant Portal

**BETA VERSION 4**

European Commission > Research & Innovation > Participant Portal > Funding Opportunities

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS

SUPPORT



LOGIN



REGISTER

Calls

Horizon 2020

COSME

Search Topics

Call Updates

Other Funding Opportunities

Previous Framework Programmes (FP7 & CIP)

Stay informed

RSS feed ⓘ

iCal ⓘ

Email notification ⓘ

## HORIZON 2020 CALLS

FUNDING GUIDE

**Call:** [Water innovation: boosting its value for Europe](#)

**Topic:** *Bridging the gap from innovative water solutions to market replication*

WATER 1 – 2014/2015

Topic Description

Topic Conditions

Call Documents

Submission Service

**Specific challenge:** One of the main factors hampering the market uptake of innovative solutions in the field of water is the lack of real scale demonstration of their long term viability. In addition, highly promising and advanced eco-innovative water technologies, processes, products and services often do not reach the market due to pre-commercialisation challenges and the residual risk linked to scaling-up. The first Strategic Implementation Plan of the European Innovation Partnership (EIP) on Water has identified as priority areas: water reuse and recycling; water and wastewater treatment, including recovery of resources; water and energy integration; flood and drought risk management; and the role of ecosystem services in the provision of water related services.

**Scope:** Actions should address one or more of the following:

- demonstration/pilot activities of new or improved innovative water solutions (technologies, processes, products and/or services) in a real environment
- the first application and market replication of near commercial water solutions.

They should focus on the priorities identified in the first Strategic Implementation Plan of the European Innovation Partnership (EIP) on Water, and/or helping process industries become less water dependant while ensuring efficient management of other resources (e.g. raw materials and energy), and/or exploiting untapped potential of ICT by developing and deploying advanced ICT solutions for water resources management in agriculture and urban areas.

**Expected impact:** Wide and fast deployment of eco-innovation in the water sector in line with the priority areas of the EIP 'Water'. Support to the objectives of the Sustainable Process Industries Public-private Partnership (SPIRE PPP), in particular helping process industries to view water as a highly valuable asset rather than a consumable. Market penetration, long-term application and sustained use of successful solutions by various end-users, and creation of new market opportunities both inside and outside Europe. Increased resource efficiency and environmental performance of the water sector, through synergies between public water authorities, water utilities, various economic sectors, big companies, SMEs and research organisations.

**Type of action:** Innovation actions (70%)

# Pieci soļi no konkursa līdz projekta pieteikumam

## How to participate

<http://ec.europa.eu/research/participants/portal/desktop/en/funding/index.html>

**Step 1 - Find a suitable Call for Proposals** [H2020 search according to your research topic](#);  
[H2020 online manual](#)

**Step 2 - Find project partners or apply as an individual team or researcher** [partner search services](#)

**Step 3 - Create an account on the portal** [H2020 online manual](#)

**Step 4 - Register your organisation** [H2020 online manual](#): register and have a 9-digit Participant Identification Code (PIC) [Organisation Register page](#)

**Step 5 - Submit your project proposal to the Commission** [H2020 online manual](#) Electronic Proposal Submission on Topic page that belongs to a call. Log in with your Participant Portal account to start filling in standard forms and submit your proposal to the Commission.



H O R I Z  N 2 0 2 0

# Projektu veidi

1. **Research & Innovation actions** *EU funding rate – 100%.*
2. **Innovation actions** *EU funding rate – 70% (except non-profit, which are still funded 100%).*
3. **Coordination & support actions** *EU funding rate – 100%.*
4. **Grants of the European Research Council (ERC) to support frontier research** *EU funding rate – 100%.*
5. **Marie Skłodowska-Curie actions (MSCA)** *EU funding rate – 100%*
6. **COFUND actions** *EU funding rate – varies (joint funding from the EU and national governments, industry or other bodies): ERA-NET Cofund (max. 33% of the total eligible costs).*

HORIZON 2020



# Projektu izmaksu kategorijas

## A. direct personnel costs;

**B. direct costs of subcontracting** (including related duties, taxes and charges such as non-deductible value added tax (VAT) paid by the beneficiary)

## D. other direct costs;

Travel costs and related subsistence allowances

Depreciation costs of equipment, infrastructure or other assets

Costs of other goods and services (including related duties, taxes and charges such as non-deductible value added tax (VAT) paid by the beneficiary)

## E. indirect costs;

Indirect costs are eligible if they are declared on the basis **of the flat-rate (vienotas likmes izmaksas)**

**of 25% of the eligible direct costs** from which are excluded:

(a) costs of subcontracting [and][;]

(b) costs of in-kind contributions provided by third parties which are not used on the beneficiary's premises



HORIZON 2020

# Paldies par uzmanību!

**Andis Zīlāns**

28390057; 67518014

[azilans@hotmail.com](mailto:azilans@hotmail.com)

<http://ec.europa.eu/programmes/horizon2020/>

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/index.html>

**Studiju un zinātnes administrācija**

**Merķeļa iela 11-320, Rīga**

**Tālrunis 67227151**

**E-pasts [nkp@sza.gov.lv](mailto:nkp@sza.gov.lv)**

**HORIZON 2020**

