



Dr. Uroš Novak, Koordinator misije REMEDIES



Instructions

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KEMIJSKI INŠTITUT

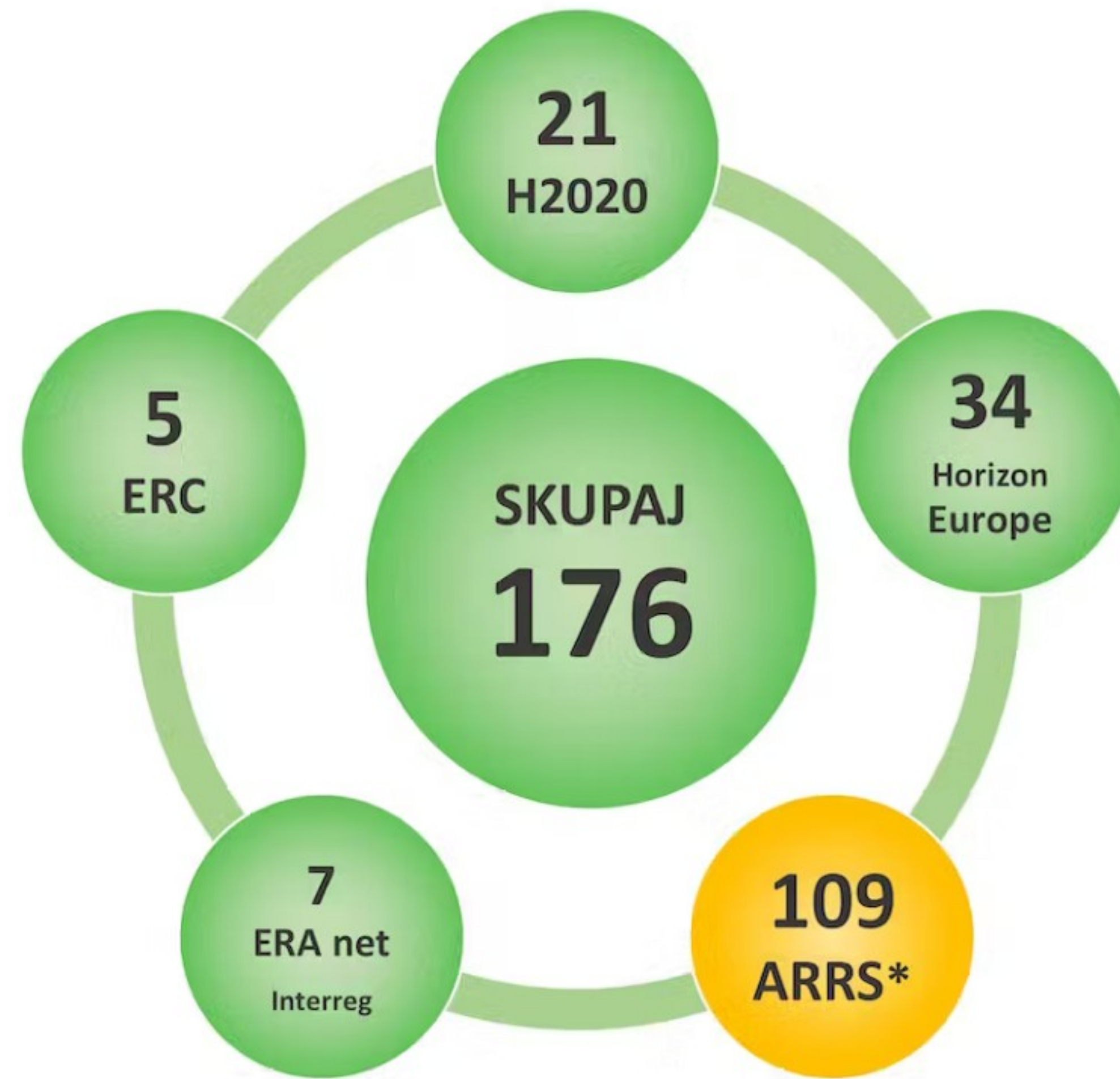
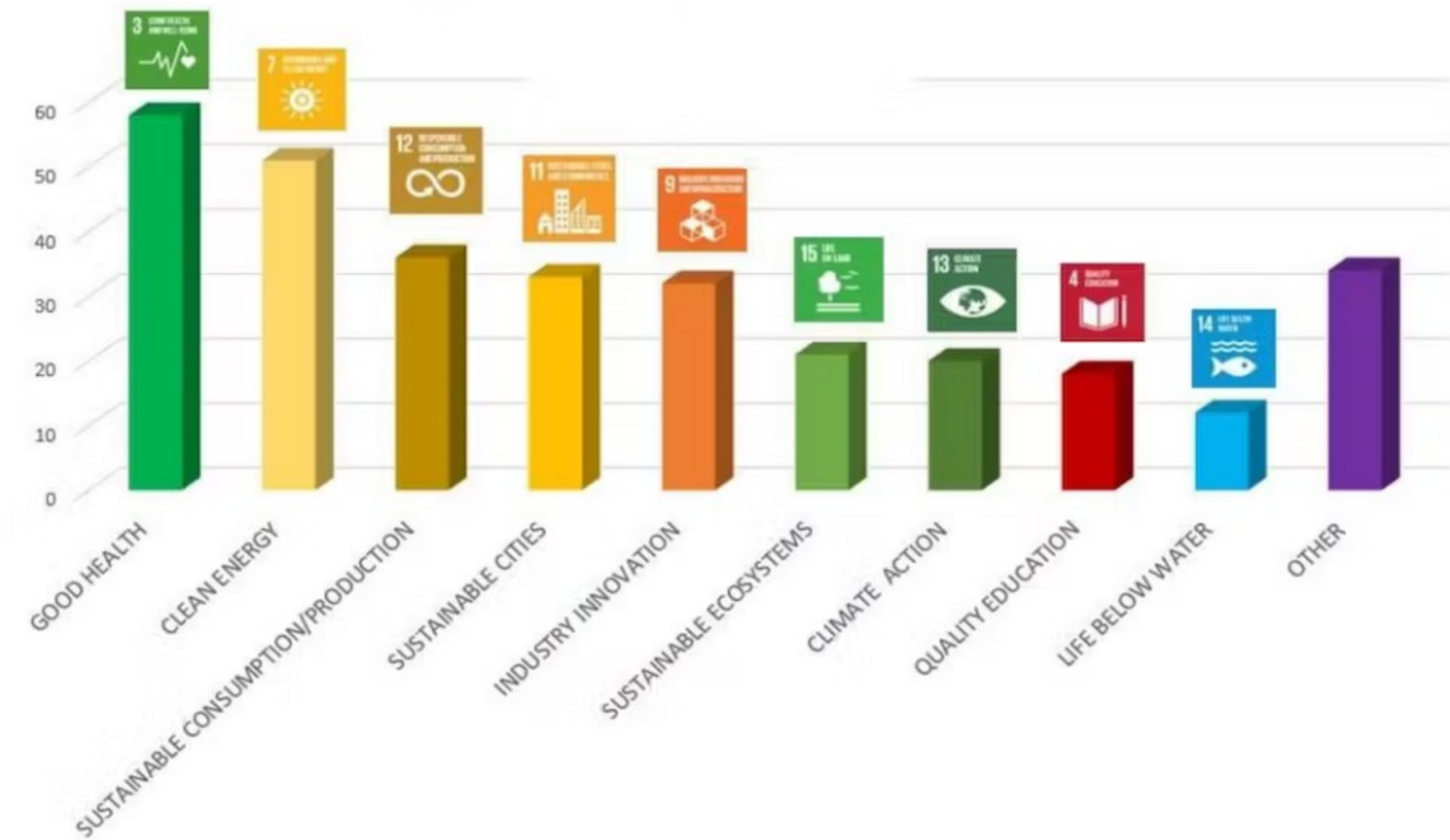
O nas

- Kemijski inštitut
- Raziskovalna skupina za Bioplastiko, biokompozite in zero-waste tehnologije
- Misija REMEDIES



KEMIJSKI INŠTITUT

Projekti Kemijskega inštituta glede na Trajnostne cilje Združenih narodov



*PROJEKTI IN PROGRAMI



Scientists
against
plastic

#BioApp #zerowaste #RemediesForOcean

<https://bioapp-plasticfree.eu/>

Mentimeter



8 November 2022
Plenary lecture: 6. International Professional Conference TRENDS AND CHALLENGES IN food technology, nutrition, hospitality, tourism, education and training
From the 27 to 28 of October 2022 the Biotechnical Educational Centre Ljubljana (BEC Ljubljana) organized a 6th...

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28 October 2022
Lecture: NATURAL BIOPOLYMERS AND THEIR CONTRIBUTION TO SOCIETY 5.0
As part of the events organized by the Institute Science on the Green, you are invited to a...

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11 October 2022
Event: ECO-DESIGN IN CIRCULAR ECONOMY AND GREEN TRANSITION OF SLOVENIAN TOURISM
On Wednesday, November 30, 2022, the event entitled Eco-design in circular economy and green transition of Slovenian tourism...

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13 April 2022
Sustainable fashion exhibition REFASHION
Between 21 February and 5 March 2022, a sustainable fashion exhibition called Refashion took place in Povezovanica on Gornji...

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18 April 2022
Exhibition THE FUTURE BEGINS NOW
As part of the LPW, an international exhibition on sustainable design entitled The Future Begins. Now took place...

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16 March 2022
Shemakes: Workshop on the creation of innovative biomaterials
Women* studying textile and fashion design, architecture, industrial design, biology or chemical technology are invited to apply for...

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8 August 2022
Special Issue "Natural Polymer Materials and Their Derivatives Building a Sustainable Biorefinery Platform"
Special issue of Polymer is coming up with two guest editors, dr. Uroš Novak and dr. Lidija Čuček...

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8 July 2022
Finalist of Competition of Science Breakthroughs of the Year 2022 in Art and Science- Falling Walls
It is our pleasure to announce that member of our group Scientists against plastic, Petra Jerič, became a...

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13 June 2022
Workshop for children: BIOMOLECULAR CANDIES
On the 9 of June 2022, Scientists against plastics carried out a workshop for children entitled Biomolecular Candies...

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14 March 2022
Innovative Biomaterials in Design: a Shemakes symposium
Shemakes symposium Monday 21 March 2022 17:00-19:00 Online Symposium (Facebook Live: Innovative Biomaterials in Design) Our guests will...

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25 February 2022
Workshop for children: BIOMOLECULAR CANDIES
BioApp-Scientists against plastic and Urban Beekeeper's Association of Slovenia made edible sweets and honey delicacies with children in...

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20 April 2022
Workshop: TAKE YOUR RESEARCH TO THE NEXT LEVEL – BECOME AN ENTREPRENEUR
On 8 December 2021, a workshop on entrepreneurial skills was held at the Faculty of Economics in Ljubljana...

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15 June 2022
Round table: WHAT ARE THE FORMS OF SUSTAINABILITY?
On June 7, 2022, a round table was held at the Museum of Architecture and Design in cooperation...

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2 June 2022
Festival of Science- ZNANSTIVAL
On the 28 and 29 of May 2022, our group of researchers working at the National Institute of...

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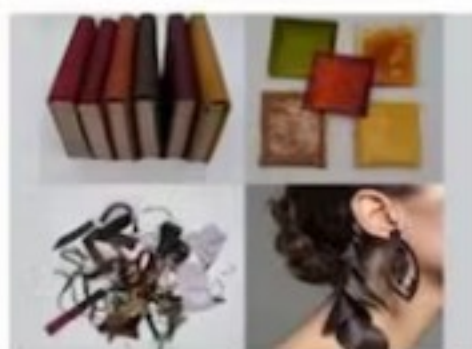
30 May 2022
Shemakes workshop – INNOVATIVE BIOMATERIALS
We are happy to spread knowledge about biomaterials, which we are successfully acquiring through experimentation in the laboratory...

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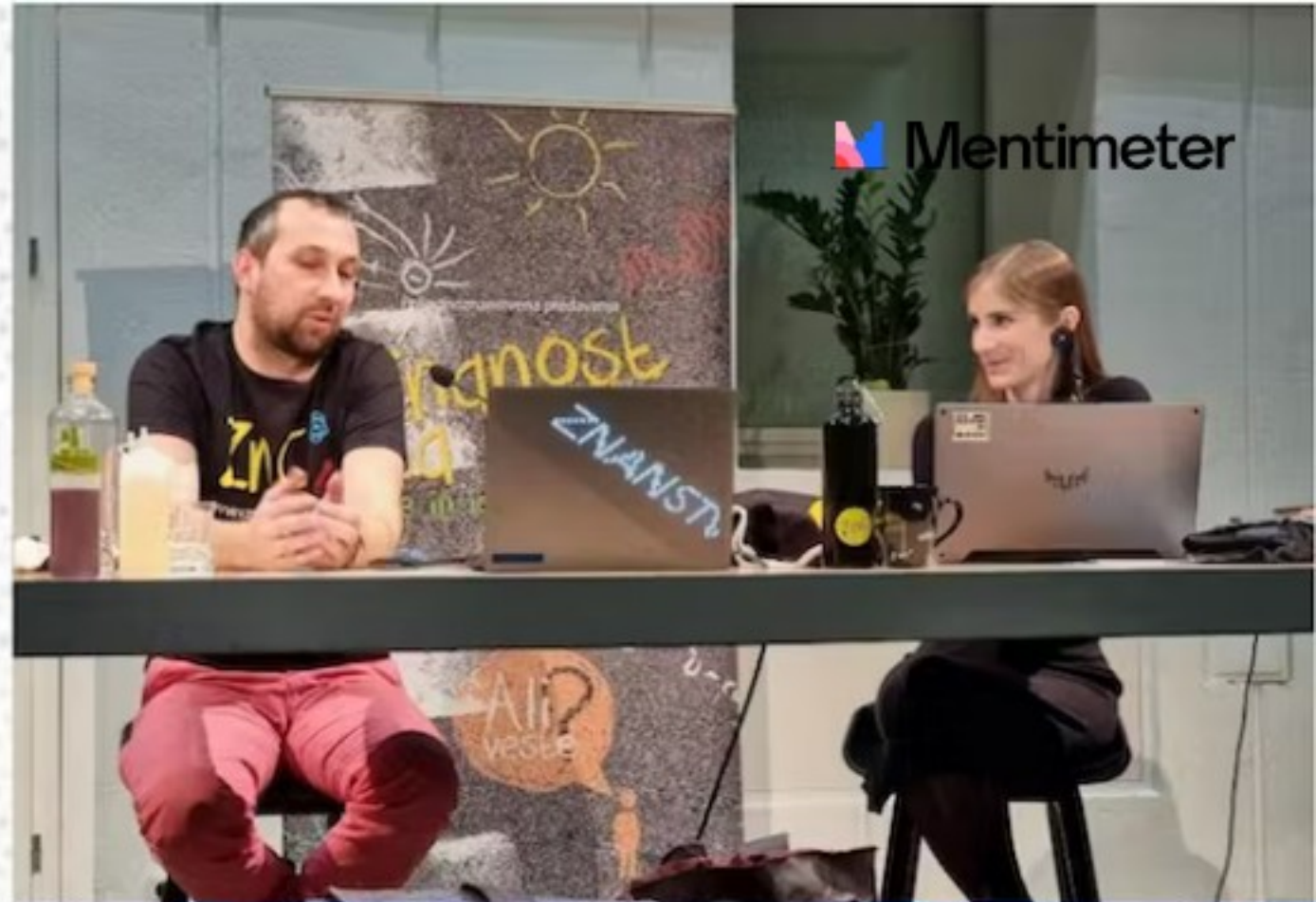
4 May 2022
EVENT: TRANSITION TO A WASTE-FREE SOCIETY AND SUSTAINABLE TOURISM
On 4 November 2021, the Faculty of Economics in Ljubljana hosted the event Transition to a Waste Free Society...

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12 May 2022
Exhibition CIRCULAR. LOW CARBON. INNOVATIVE
From 22 of December 2021 till 31 of January 2022, the exhibition New Biomaterials by dr. Uroš Novak...

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Umeščajo se v Evropski zeleni dogovor, digitalizacijo Evrope, načrt EU boja proti raku in vizijo evropskega podeželja

**Misije so zaveze k reševanju nekega
velikega izziva našega časa.**

EU MISSIONS

Mentimeter



Concrete solutions for our greatest challenges

Misije so nov način za iskanje konkretnih rešitev in so en del programa za raziskave in inovacije Horizon Europe so pa hkrati tudi njihova novost



Razvrstite po pomembnosti





REMEDIES

MEDITERRANEAN SEA BASIN LIGHTHOUSE



EUROPEAN UNION



EU MISSIONS

RESTORE OUR OCEAN & WATERS

2021 call for proposals

20
projects
selected

€117+
million EU funding

#HorizonEU #EUmissions #MissionOcean



This project has received funding from HORIZON Programme grant agreement No. 101093964



REMEDIES
MEDITERRANEAN SEA BASIN LIGHTHOUSE



Mission lighthouses: spaces of transformation to pilot, demonstrate, develop and deploy the Mission activities across EU.
Basin-level initiatives before being scaled up to European level in the second phase 2025-2030

Baltic & North sea basin



MAKE THE BLUE ECONOMY CARBON-NEUTRAL AND CIRCULAR

Mediterranean sea basin



PREVENT AND ELIMINATE POLLUTION OF OUR OCEAN, SEAS AND WATERS

Danube river basin



PROTECT AND RESTORE MARINE AND FRESHWATERS ECOSYSTEMS AND BIODIVERSITY

Atlantic & Arctic coast





REMEDIES

MEDITERRANEAN SEA BASIN LIGHTHOUSE



EUROPEAN UNION

WHAT'S
IN IT FOR ME ?

What are the **lighthouses** and **how do they work?**

In the Mission Ocean and Waters we will set up **four Mission lighthouses** at basin scale in:

- the Mediterranean Sea
- the Danube river basin
- the Baltic and North Sea
- the Atlantic-Arctic basin

For centuries, lighthouses have been guiding sailors through storms to safety.

The four Mission Ocean and Waters lighthouses will act as **hubs that will develop, demonstrate and deploy new solutions** far and wide across the world. Building on existing governance structures, the lighthouses will bring together relevant Member States, the European Commission and other partners, through a political implementation charter. In the charters, the partners commit to cooperating and aligning resources to achieve the Mission objectives.



This project has received funding from HORIZON Programme grant agreement No. 101093964



REMEDIES

MEDITERRANEAN SEA BASIN LIGHTHOUSE



EUROPEAN UNION

WHAT'S
IN IT FOR ME?

The Mediterranean lighthouse

Objective: preventing and eliminating pollution of our ocean, seas and waters.

Targets:

- Reduce by at least **50%** plastic litter at sea.
- Reduce by at least **30%** microplastics released into the environment.
- Reduce by at least **50%** nutrient losses, the use and risk of chemical pesticides.



This project has received funding from HORIZON Programme grant agreement No. 101093964

Kje je po vašem mnenju največje onesnaženje z (mikro)plastiko?





Katera rešitev najbolj pripomore k zmanjšanju negativnega vpliva plastičnih odpadkov v naravi?

0

Bioplastika nadomesti plastiko

0

Biorazgradljive ribiške mreže

0

Filtri ki zadržujejo mikroplastiko



Sprememba našega obnašanja do plastike



Novi poslovni modeli ki uporabijo plastične odpadke kot surovino

**Konkretni rezultati
misij naj bi
prispevali k
strateškim in
političnim ciljem in
zakonodaji EU**





MISIJA REMEDIES

Razpis: HORIZON-MISS-2021-OCEAN-03-01– Svetilnik Sredozemskega morskega bazena – ukrepi za preprečevanje, zmanjšanje in sanacijo onesnaževanja z odpadki in plastiko



23 partnerjev iz 12 držav



Skupna vrednost projekta **9.14 milijona €**

Koordinator: **Kemijski Inštitut**

Začetek projekta: **15.12.2022**

Trajanje projekta: **4 leta**

Specifični cilji misije REMEDIES

- Spremljanje makro- in mikroplastičnih odpadkov na 8 območjih v Sredozemlju
- Zbrati in valorizirati >422 ton plastičnih odpadkov
- Preprečiti nadaljnje odlaganje ekvivalenta >61 ton plastike
- Doseči >250.000 ljudi in aktivirati >2.000 državljanov
- Razširiti in replicirati inovacije zero-waste na približno 70 drugih lokacijah



REMEDIES

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MEDITERRANEAN 2023 : REMEDIES 2030



REMEDIES

MEDITERRANEAN SEA BASIN LIGHTHOUSE

KJE?

9 demo centrov v 8 državah

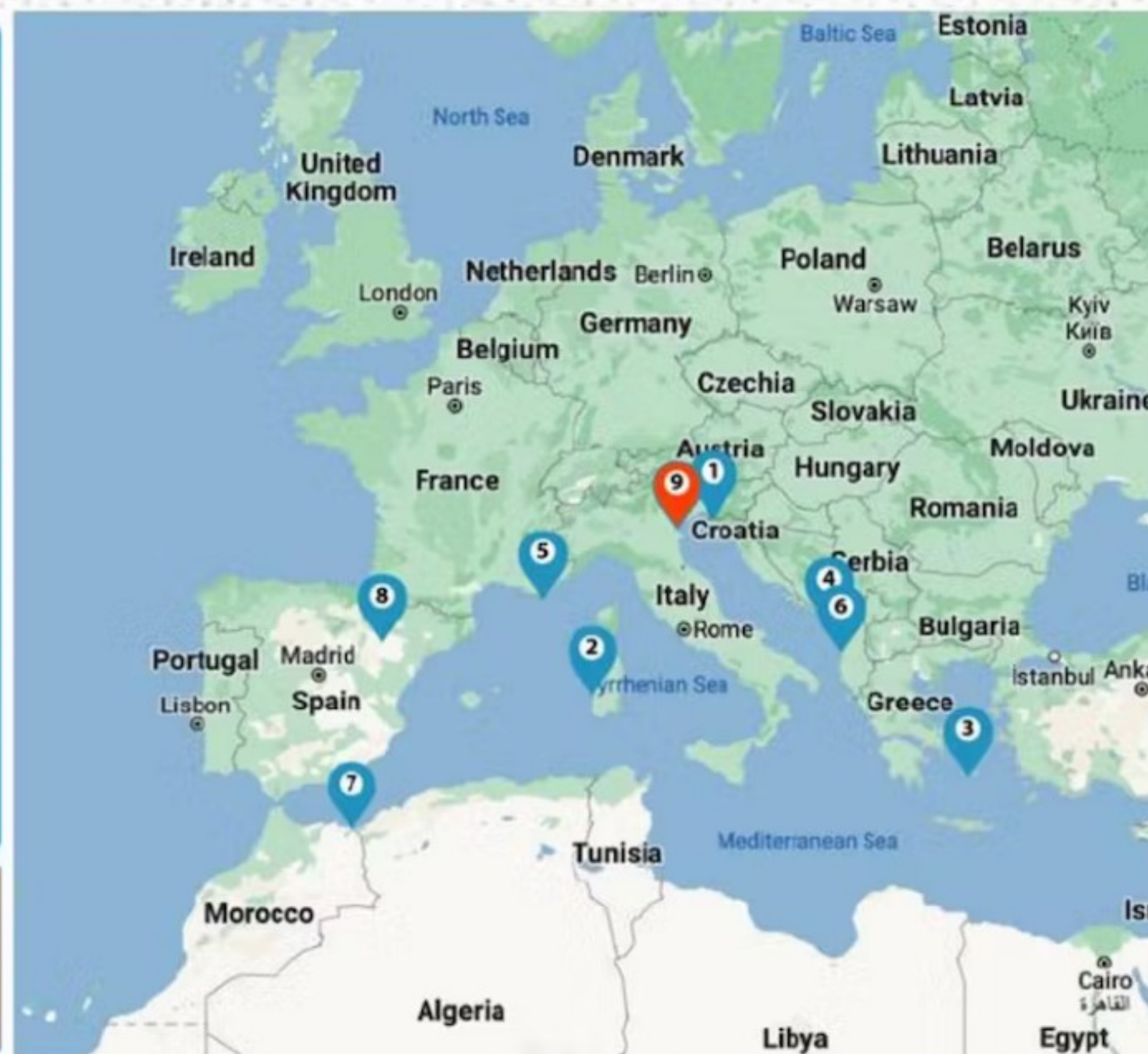


Demo sites

- 1 Koper, Slovenia (UM)
- 2 Sinis Peninsula, Sardinia, Italy (CNR)
- 3 Cyclades, Greece (NTUA)
- 4 Sea Dance Festival, Budva, Montenegro (EXIT)
- 5 Island of Porquerolles, France (SMILO)
- 6 Durrës & Tirana, Albania (ETMI)
- 7 Saïdia, Morocco (MOH)
- 8 Zaragoza, Spain (AITIIP)

Lighthouse

- 9 Venice Lighthouse, Italy (VLPF)



REPLICIRANJE REŠITEV NA 70 LOKACIJ PO SVETU



Spremljanje & Detekcija



Zbiranje & valorizacija



Preprečevanje & Ponovna uporaba

**»Ne moremo se
več samo zapreti v
laboratorij moramo
govoriti in
predebatirati vse
te stvari z vsemi
deležniki, ki se jih to
tika«**

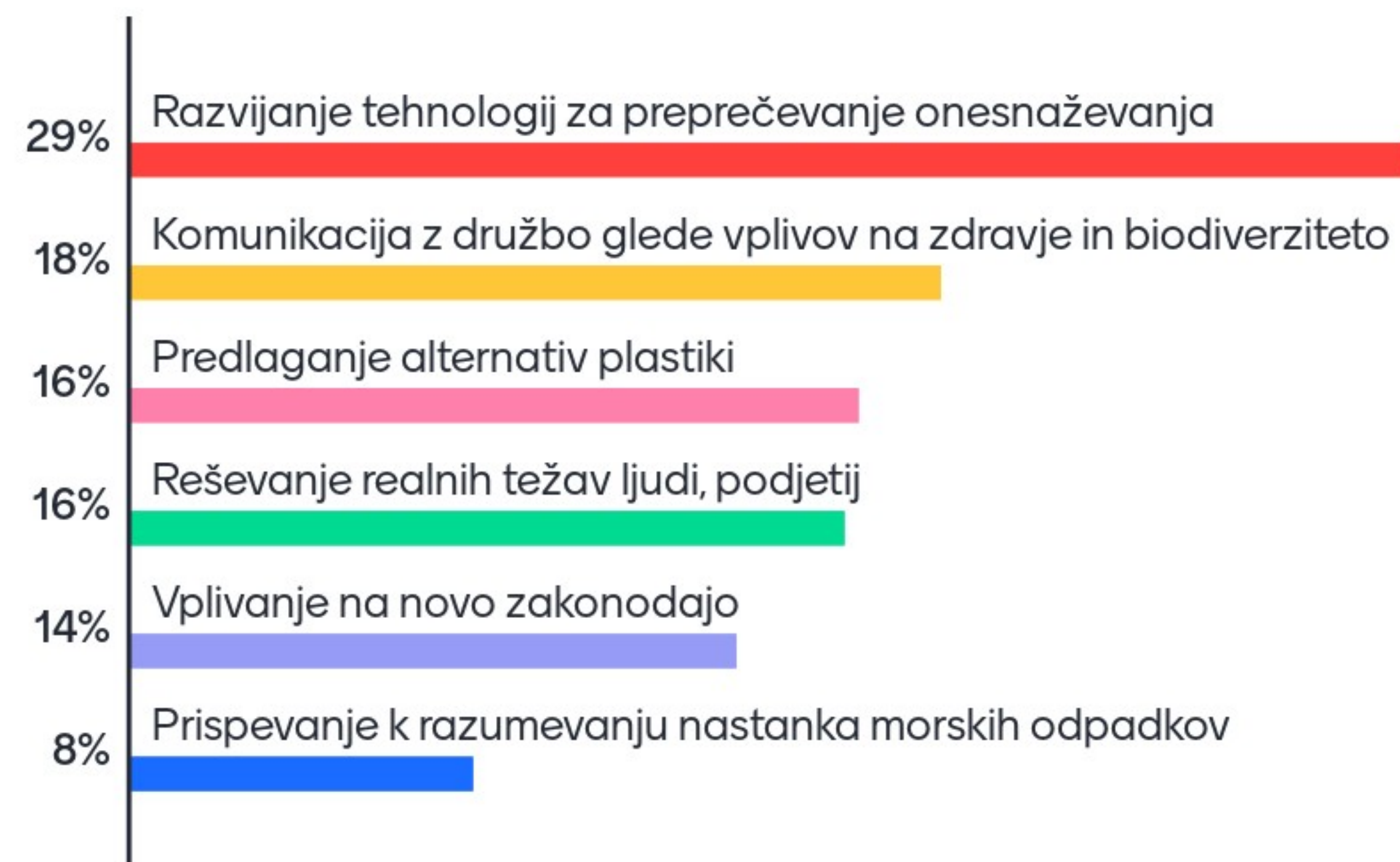
dr. Jerneja Jug Jerše, Vodja predstavništva EC v
Sloveniji





Kje je po vašem mnenju vloga raziskovalnega sektorja najbolj pomembna, ko gre za onesnaženost z (mikro)plastiko v vodah?

Mentimeter







FA-L

Kaj za vas pomeni zero-waste?



KEMIJSKI INŠTITUT



Rešitev je v naših rokah :)



REMEDIES

MEDITERRANEAN SEA BASIN LIGHTHOUSE

VSE SE ZAČNE PRI NAS

MANJ PLASTIKE.
VEČ REŠITEV.



This project has received
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Mission Ocean Waters @eumiss... · 17 Feb
“In order to retain science research talent we need to pay them more.” - Uroš Novak, project coordinator of REMEDIES, Kemijski Institut
[#MissionOcean](#)



**Hvala za vašu
pozornost**

Kako nasloviti plastiko na globalni ravni.

Najbrž ni naključje, da ste ravno vi/mi (SLO) Kemijski inštitut koordinator tega ambicioznega projekta?

Kako ste koordinirali prijavo projekta, uskladili vsebine?

Kaj pa mikroplastika v zraku, ki ga dihamo?

Kako lahko sodelujemo?

Zakaj vključitev v misije in ne v neko partnerstvo?

Kako ste se povezali s 23 partnerji pred prijavo projekta?

Koliko časa ste porabili za pripravo prijave (vključno s komunikacijo s partnerji in deležniki)