

Developing a Successful EU Missions Horizon Europe Project:

REMEDIES - Co-Creating Strong Uptake of REMEDIES for the Future of Our Oceans Through Deploying Plastic Litter Valorisation and Prevention Pathways

Dr. Uroš Novak

National Institute of Chemistry, Slovenia

uros.novak@ki.si



UNIVERZA V LJUBLJANI
University of Ljubljana



KR PAN



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA IZOBRAŽEVANJE,
ZNANOST IN ŠPORT



NAČRT ZA
OKREVANJE
IN ODPORNOST



Financira
Evropska unija
NextGenerationEU



NATIONAL INSTITUTE
OF CHEMISTRY



EUROPEAN UNION



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Our goals

- Monitor macro & microplastic waste in 8 Mediterranean countries
- Collect & valorise +400 tonnes of plastic litter in the marine & riverine environment
- Prevent the further deposition of 61 tonnes of plastic
- Reach +250,000 citizens
- Distribute 500,000€ of cascade funding through 2 open calls for associate regions
- Scale and replicate zero-waste innovations in +33 more sites
- Organise 115 coastline clean-ups



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NATIONAL INSTITUTE
OF CHEMISTRY

Leading scientific institution
Focus on chemistry (in broad sense!)

Basic and applied research (excellence, publications, projects, partners, industry)

12 Departments
3 Technological centers
450 Employees
240 Researchers with PhD
120 PhD students





Department of Catalysis and Chemical Reaction Engineering – D13



Head: prof.dr. Blaž Likozar

Carbon dioxide and hydrogen technologies

Group leader: **dr. Blaž Likozar**

Bioplastic, biocomposites and zero-waste technologies

Group leader: **dr. Uroš Novak**

Process and product engineering for pharma and food

Group leader: **dr. Filipa A. Vicente**

Biorefinery and bioeconomy

Group leader: **dr. Miha Grilc**



- *Expanding knowledge of chemistry, chemical engineering and biotechnology*
 - *Applying newly acquired knowledge to industry*
 - *Transferring knowledge to young generation and public*



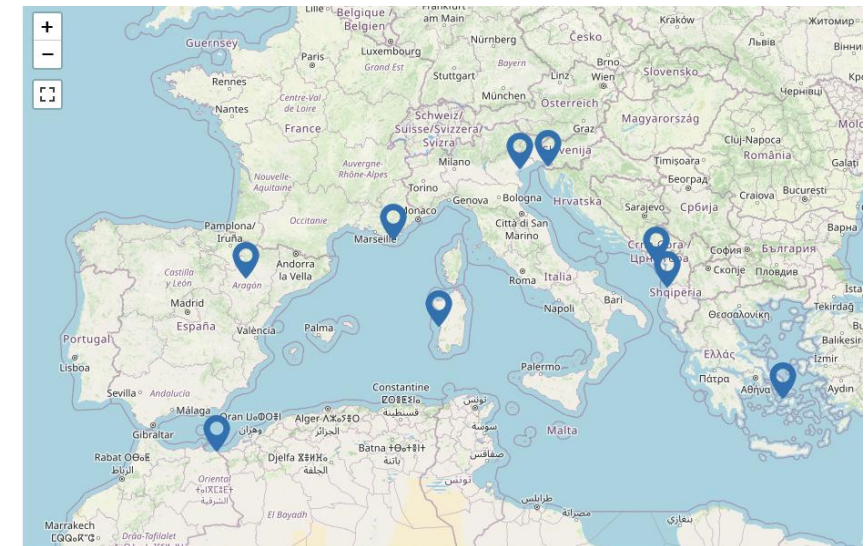


Who we are?

23 Partners from 12 countries joined forces in order to develop innovative, & participatory solutions to reduce plastic waste in the Mediterranean Sea

Where we operate?

8 demo site, 1 Lighthouse and 5 associated regions in 13 Mediterranean countries



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OPEN CALLS FOR ASSOCIATE REGIONS

Open Call 1
Collection & Valorisation [total: 200.000.00 €]



Open Call 2
Prevention & Zero-waste [total: 300.000.00 €]



What we do...



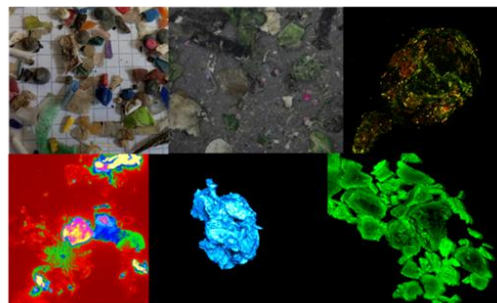
AI-enabled drones



Underwater drones



Fluorescent dyes and automated microscopic detection



Marine litter monitoring app and dashboard



What we do...

**Plastic collection and valorisation
through citizen science**



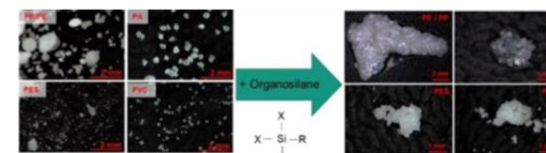
**Microplastics filtrations for washing
machines & marinas**



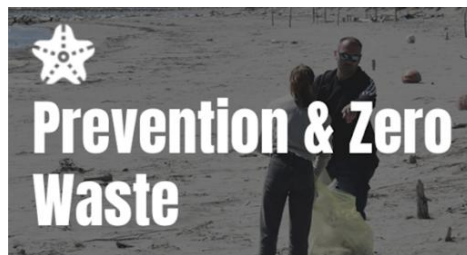
River Cleaning



Clump and Skim technology



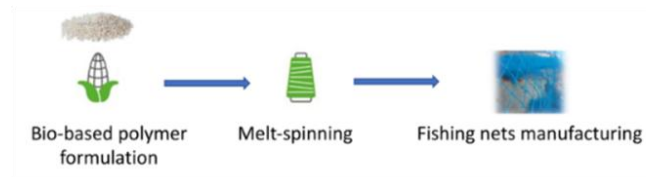
What we do...



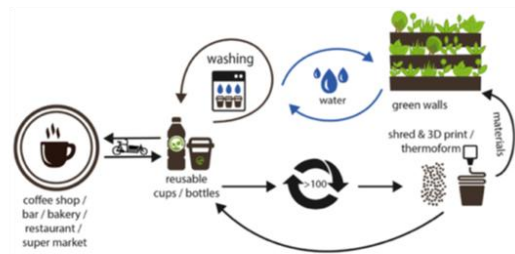
Anti-litter campaigns and zero plastic waste solutions



Application of biodegradable fishing gear



Zero-Waste Cups & Bottles



Zero waste natural cosmetics





REMEDIES

MEDITERRANEAN SEA BASIN LIGHTHOUSE

Our legacy

Raised awareness, inspired behaviour or behavioural change & new actions on plastic waste prevention

Empowered and active communities of citizens, stakeholders and actors who are taking action against pollution

Engaged multidisciplinary target audiences, through participatory practices, co-creative and citizens science formats for the promotion of a participatory socio-ecological governance



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MEDITERRANEAN SEA BASIN LIGHTHOUSE

FEEL THE BEAT.



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EU EVENTS



Vesna Kuralt @VesnaKuralt · 17 Feb
Misinformation and fake news are one of the great issues of the #BlueEconomy, explains @KouvelisSpyros, member of the Mission Board, Mission "Restore our Ocean & Waters" @remedies_EU @eumissionocean

Mission Ocean Waters @eumissionocean · 17 Feb
 40% of the world's population live along the coast
 80% of world trade happens on the seas
 Blue Economy is one of the biggest economies in the world and set to double by 2030 to €3 trillion.

Spyros Kouvelis member of the #MissionOcean Board.



2 5 263



Mission Ocean Waters @eumissionocean · 17 Feb
 "In order to retain science research talent we need to pay them more." - Uroš Novak, project coordinator of REMEDIES, Kemijski Institut
 #MissionOcean



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REMEDIES

MEDITERRANEAN SEA BASIN LIGHTHOUSE

120 Clean-Ups

#20tonneschallenge

Beach Monitoring and
Clean-Up at Merchias
Beach, Mykonos



Beach Clean-up in Syros
island, Greece



1st Moroccan Beach
Clean-Up



Beach Clean up at
Patalon Faliron, Greece



Beach Clean up in
Athens, Greece



Sinis Peninsula Clean up



Sea and Marine Culture
Day



Bele Skale beach and
Ronek Peninsula Clean
up



REMEDIES Lighthouse
workshop in Venice



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PLASTIC FANTASTIC Online Hackathon

Our network:

24 successful applicants from 18 countries

55+ experts, instructors & judges

40+ community partners

Awards:

8.000 euro in cash awards

2.000 euro in tech equipment

3 months acceleration program from Impact Hub Athens

Winners



CAPTOPLASTIC



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Cluster meetings

- **4 Cluster event** with more than **45 speakers** and **1000 viewers**:
 - 1st REMEDIES Cluster Meeting - Venue: University Mohammed Premier, Morocco
 - 2nd REMEDIES Cluster Meeting - Venue: Tirana, Albania
 - EU Green Week 2024 - REMEDIES & UPSTREAM Cluster Meeting
 - 4th REMEDIES Cluster Meeting – Venue: Ljubljana, Slovenia (Science month)

EU Green Week
PARTNER EVENT

**REMEDIES &
UPSTREAM
Cluster Meeting**

LIVE NOW



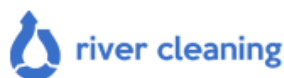


REMEDIES

MEDITERRANEAN SEA BASIN LIGHTHOUSE

#PlasticLitterFree
#RemediesForOcean
#20tonneschallenge
#MissionOcean
#HorizonEU

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How to make a winning proposal

dr. Uroš Novak



8 rules to apply

- Relevance
- Practicality & usability
- Inclusiveness
- Creativity and ambition
- Partnership
- Communication and dissemination
- References and connections
- Political and legislative aspects



Thank you



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