

SCHEME OF THE VIRTUAL LAB



Project co-funded by European Union funds (ERDF and IPA)

Contact: ecoinn.danube@cvtisr.sk

WP4

Output 4.2

Scheme of the virtual lab

Project number DTP1-291-1.1

Title of the project Eco-innovatively connected Danube Region (EcoInn Danube)

Version Final

Author LP, SCSTI

Revised by Project partners

Date 2019

Front picture by: ©WDGPhoto/Fotky&Foto

Project „Eco-innovatively connected Danube Region (EcoInn Danube)“

General objective of the project EcoInn Danube is to increase the cooperation of innovation actors in the field of eco-innovations with special emphasis on development and application of ecotechnologies in the Danube Region.

Programme: Danube Transnational Programme

Priority: Innovative and socially responsible Danube Region

Specific objective: Improve framework conditions for innovation

Duration of the project: 01/12/2016 – 31/05/2019

Budget: Overall: 2 126 924,97 €

ERDF Contribution: 1 587 447,20 €

IPA Contribution: 220 439 €

www.interreg-danube.eu/ecoinn-danube

Project co-funded by European Union funds (ERDF, IPA)

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Introduction

General objective of the **EcoInn Danube project** is to enhance cooperation of innovation actors in the field of Eco innovations with special emphasis on development and application of Eco technologies in the Danube Region.

Virtual lab – ecoinnovative.eu connects demand and production sector with research and innovation sector. It enhances and enables the cooperation and finding matches between demand and supply of eco-innovations and interconnects the ecoinnovations demand and supply actors.

The purpose of this document is to provide reader with comprehensive manual and introduce the functionality of Virtual lab available at www.ecoinnovative.eu .

The scheme of function of the virtual lab is explained also in a video manual.

1. TOOLS IN THE VIRTUAL LAB

Ecoinnovative.eu virtual lab offers following tools:

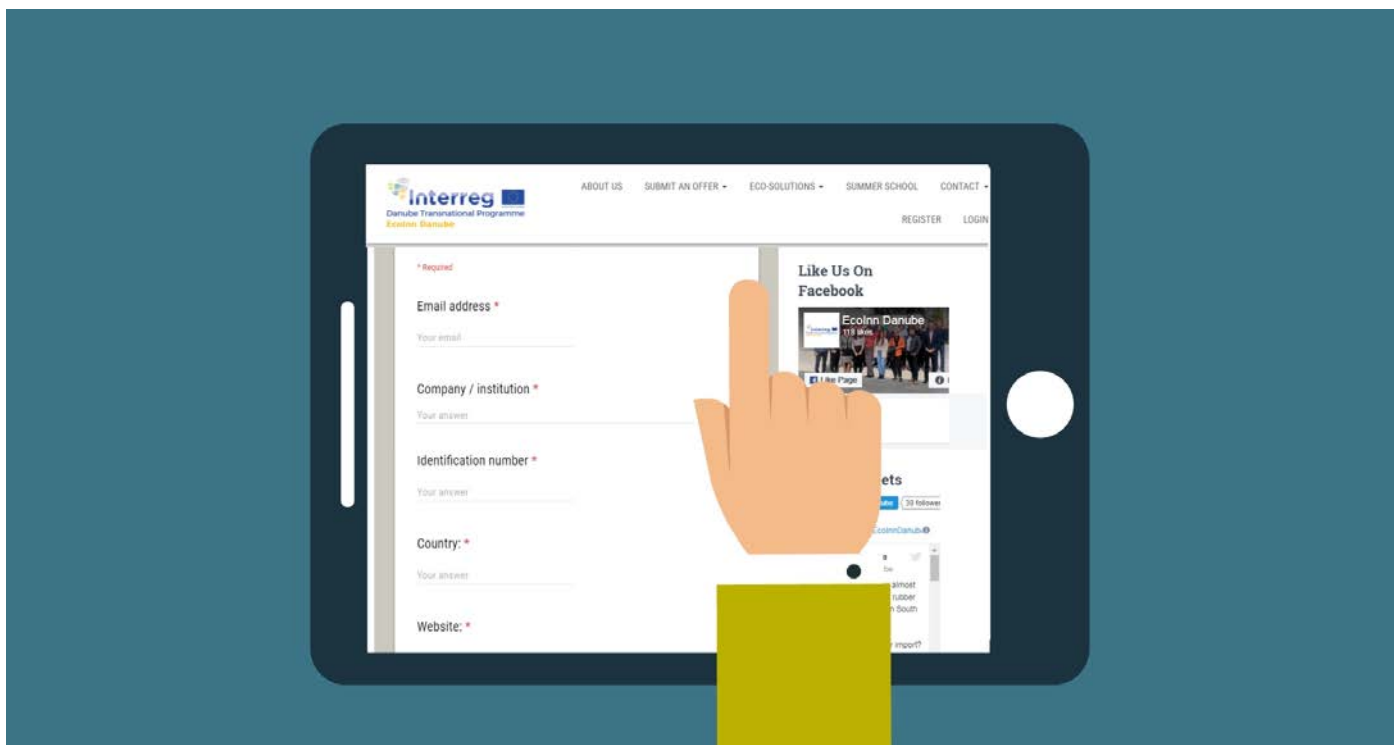
1. Collector of demand – backed by partner institution
2. Collector of ecotechnologies – also backed by partner institutions
3. Success stories of implemented ecotechnologies into practice
4. Events collector
5. Expert database who are able to provide services to boost the innovation process
6. Interactive map of protentional partners in business, research or policy makers
7. Study corner to search for recommendations based on actual experience, ecostudies and country specific information
8. Library composed of 2 parts: solutions and demand
9. Network joining (offering invitation to events, including to interactive map, exchange of knowledge, newsletters) – described in plan for adding new stakeholders

1. VIRTUAL LAB CONTEXT

- The Virtual Lab www.ecoinnovative.eu serves as an online library of eco-technologies and it empowers users to upload their demands for ecological solutions and existing solutions in form of ecotechnologies.
- The Virtual lab's main role is to connect demand of production sector for new solutions enabling to perform a greener production and on the other side the supply of ecotechnologies and eco solutions focused on field of renewable energy and energy saving coming from the research sector.

- The lab builds upon persons and platforms of the project partners in the Ecolnn Danube project to make available the services and tools, existing databases of project partners and their stakeholders in order to enable the cooperation among different parts of the ecoinnovation system
- The virtual lab wishes to contribute to improve the ecoinnovation performance in the Region. Ecoinnovative.eu contributes to introduction of new environmental technologies focused on the energy saving solutions. Contributes to reinforce the capacity of research infrastructure in order to improve ecoinnovation conditions, to foster and support development of a more widespread ecoinnovation culture.

[A short explanatory video of the scheme of Virtual lab has been prepared:](#)



3. ROLE OF CONTACT POINTS

Contact person will create posts from information of their country filled and send redefined forms

Visitors on virtual lab have an option to create an offer through predefined form. Offer can be either on demand for eco-solutions or supply of eco-solution. Since in the predefined forms include information that is not necessary to be published, but is crucial for the needs of the project database, it cannot be published straight away but it done post through contact point which will write a post from acquired information and publishes it.

The contact person can use the **database** developed within the project as well to ask for support from other contact persons who can find solutions within their networks, webs, and partners.

Contact person for each country has to check every week if new **offers on eco-solutions** were filled into the online form. These offers will be then transformed and published as a post on virtual lab, so other visitors can find it there. The work of a contact point is still not finished, he will try to find if one of previously published offers matches the offer and then send the information. If the offer does not match he will send it to the experts possibly interested in solving the problem and also contact other contact points if the experts are from other country and could help to find the solution to the sent offer.

The contact person in PPs' organization can contact each other to find solution for request received.

If some kind of problem arose with offer, and a contact point cannot help, it can **consult it with other partners and ask for support** to find a solution from other partners' contact points or their experts whom could help regard the problem found.

Project partners are expected to use their networks to disseminate the request.

Each partner has their **own network of contacts which consists of experts and other researchers** but also institutions from different areas and of various types. Request will be sent to contact with relevant expertise and if the institution or company is interested the first contact can be arranged either through forum on virtual lab or through mail so it can be easier to find match between demand and supply.

PPs collect requests for solutions or cooperation in the area of eco-friendly topics.

Project partners have contacts in different areas of expertise and can collect and later publish if one of experts in their institutions create eco-friendly technology, which are then published on a virtual lab webpage. The technology will be available for different users and visitors of virtual lab who could be interested in buying the technology and applying it into their company or working process.

The platform is supported with the workshops, recommendation packages, feasibility studies...

Virtual lab will be presented on workshops organized through project, which will serve to bring together local innovators. They will be used to discuss and evaluate networking tools on Virtual lab. Virtual lab will also be mentioned in recommendation packages which will help during cooperation with stakeholders in the eco-innovation industry. Virtual lab will be assessed by project partners, whom will provide a practice guide. Feasibility studies will also be helpful in other projects. The studies will focus on eco projects/ solutions/ cooperation submitted in the Virtual Lab to support the decision of possible implementation of eco solution by participants of the Virtual Lab with information and expertise and facilitate the cooperation among lab's participant.

Users can find their own preferred technologies and contact its contact person –contacts are shown in a post

All filled in technologies will be published as a post on webpage, where they can be visited and viewed. If a person interested in technology is trying to contact you, he can either write to contact point for his country, write to the contact person mentioned in an offer and published with the post or if he is registered try to look for him in the forum.

As virtual lab help to find matches between demand and supply of eco-innovations we should also categorize these two sides of market.

- **Supply (offer side):**

- ✓ Research organizations and researchers with ready to use solutions
- ✓ Research organizations interested to cooperate to the company
- ✓ Researchers in the process of development of technology interested to consult to company
- ✓ Researchers with eco technologies who wants to put it into practice

- **Demand for eco solutions:**

- ✓ Companies who do not have enough resources to develop their own solution and so fulfil the requirements of regulations
- ✓ Companies who do not have enough resources for own research but aiming at eco-friendly products
- ✓ Companies who want to invest in ecosolutions
- ✓ NGOs looking for ecosolutions
- ✓ Public sector and policymakers looking for ecosolutions

4. ANNEXES:

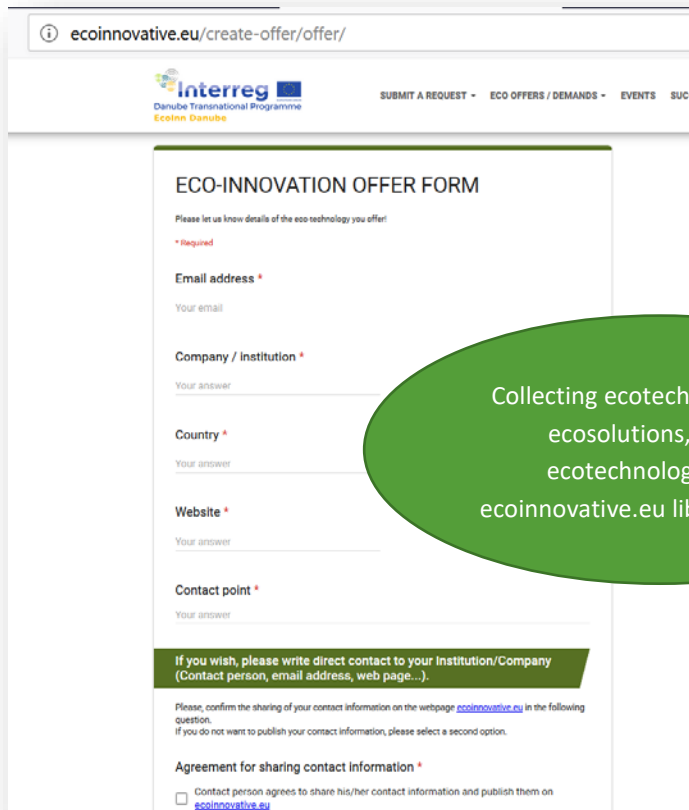
Annex 1: Graphic scheme of tools in VL and Manual

Annex 2 : Site map

Annex 3: Virtual lab main page

Annex : Detailed map of the virtual lab

ANNEX 1 GRAPHIC SCHEME OF TOOLS IN VL AND MANUAL



ecoinnovative.eu/create-offer/offer/

Interreg Danube Transnational Programme Ecoln Danube

SUBMIT A REQUEST • ECO OFFERS / DEMANDS • EVENTS • SUCCESS

ECO-INNOVATION OFFER FORM

Please let us know details of the eco-technology you offer!

* Required

Email address *
Your email

Company / Institution *
Your answer

Country *
Your answer

Website *
Your answer

Contact point *
Your answer

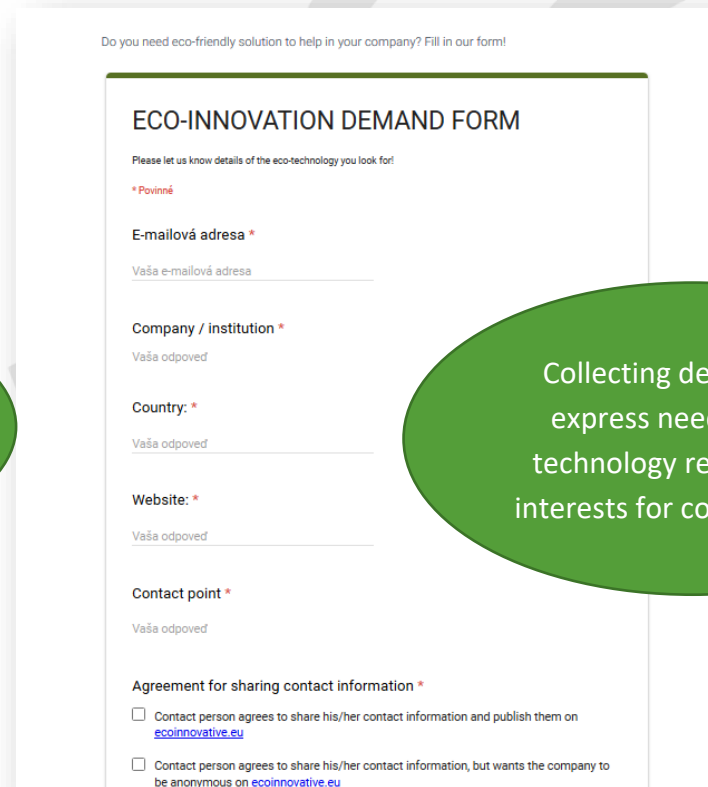
If you wish, please write direct contact to your Institution/Company (Contact person, email address, web page...).

Please, confirm the sharing of your contact information on the webpage ecoinnovative.eu in the following question.
If you do not want to publish your contact information, please select a second option.

Agreement for sharing contact information *

Contact person agrees to share his/her contact information and publish them on ecoinnovative.eu

Collecting ecotechnologies and ecosolutions, adding ecotechnologies into ecoinnovative.eu library of offers



Do you need eco-friendly solution to help in your company? Fill in our form!

ECO-INNOVATION DEMAND FORM

Please let us know details of the eco-technology you look for!

* Povinné

E-mailová adresa *
Vaša e-mailová adresa

Company / institution *
Vaša odpoveď

Country: *
Vaša odpoveď

Website: *
Vaša odpoveď

Contact point *
Vaša odpoveď

Agreement for sharing contact information *

Contact person agrees to share his/her contact information and publish them on ecoinnovative.eu

Contact person agrees to share his/her contact information, but wants the company to be anonymous on ecoinnovative.eu

Collecting demand and express needs for eco technology requests and interests for cooperation in



and sustainable environment for our future generations to come. They aim towards social and economic innovation by empowering underserved communities to build and assemble their own homes using a new age construction material and live a digitized life. Their innovative material derives [Read more...](#)



OFFERS OF ECO-SOLUTIONS
Poduhvat – advanced technologies in renewable energy industry

Description of your eco-technology Poduhvat both in energy and offers services in any field of technology they are innovating. Projects range from developing state of the art energy technology, over urban hybrid high power EV or mobile underwater platforms. Services include topics like in Energy and [Read more...](#)



OFFERS OF ECO-SOLUTIONS
PI water, a slice of a clean future

Title PI water, a slice of a clean future Description of ecotechnology The Hemotrade company, based in Kaposvár, was established in 1990 by Dr. Fülöp László researcher and developer. Since its foundation, the company of hungarian property has grown rapidly and dynamically keeping its market orientation. Within a short time [Read more...](#)



ECO-SOLUTION
Playground Energy

Title Kids sit on Lumi and ca easily rock in any direction. The harder they swing the more lights and sound they produce, accounting for

Library with technologies - offer and their description



DEMAND FOR ECO-SOLUTIONS
Exact weather forecast for 2-4 months

Eisberg Hungary Kft. is looking for innovative solutions for an exact weather forecast for 2-4 months.



DEMAND FOR ECO-SOLUTIONS
Eco solution for recycling water used for washing salad

Eisberg Hungary Kft. is looking for eco solutions for recycling water used for washing salad.



DEMAND FOR ECO-SOLUTIONS
Weather stabilization – controlling the weather conditions on arable lands (cooling the area)

Eisberg Hungary Kft. is looking for eco technology and business solutions for weather stabilization; controlling the weather conditions on arable lands, optimizing temperature, light etc. (cooling the area).



DEMAND FOR ECO-SOLUTIONS
Planting trees to capture CO2

Vertis Environmental Finance Ltd. is looking for eco-technology and

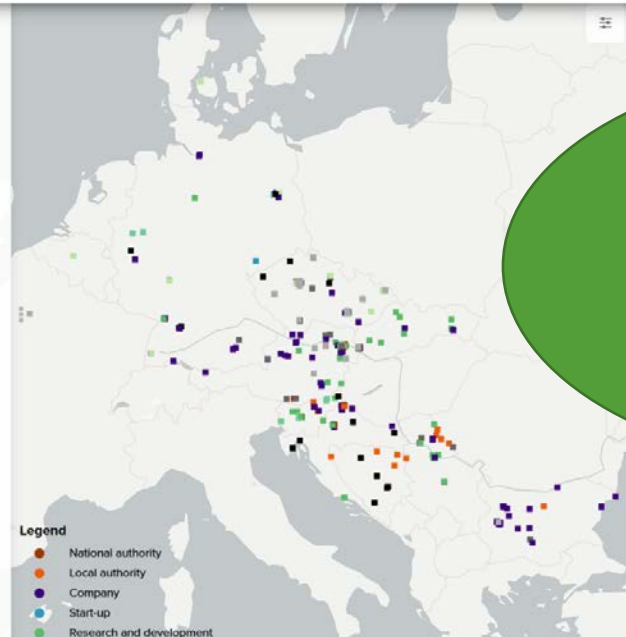
Library with demand - space to call for solutions, demand for ecotechnologies

The stakeholder map is a visual interactive representation of eco-innovation actors from the Danube region. The main purpose of the stakeholder map is to empower users to:

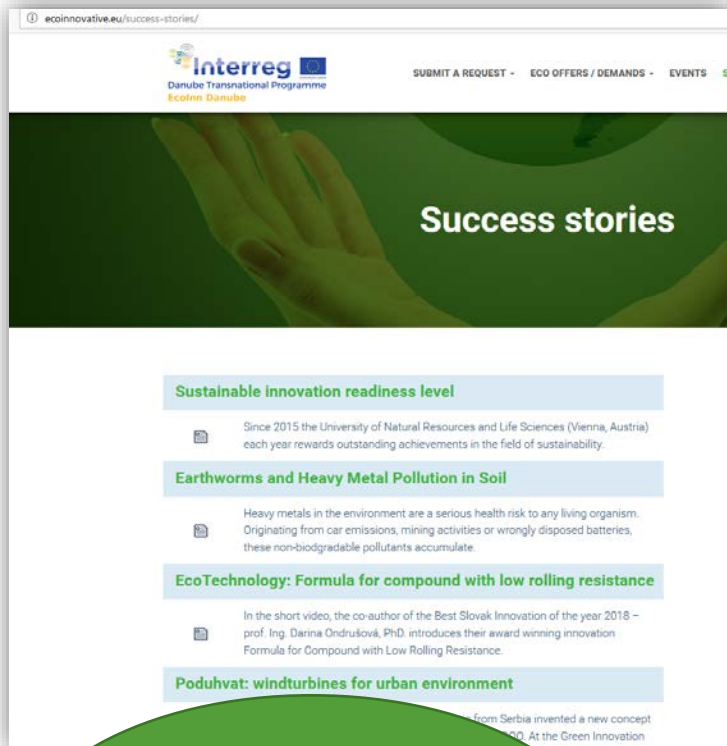
- View the organizations that are involved in eco-innovation in their country and within the region
- Understand the role and purpose of each organization (how they impact eco-innovation)
- Access to contact points within these organizations/interest groups

The tool is designed to be expanded with additional contacts throughout the duration of the project. Please consult the guidelines for further instructions.

The Ecolnn project team wishes you great success in connecting with the right partners and bringing your innovation to life!



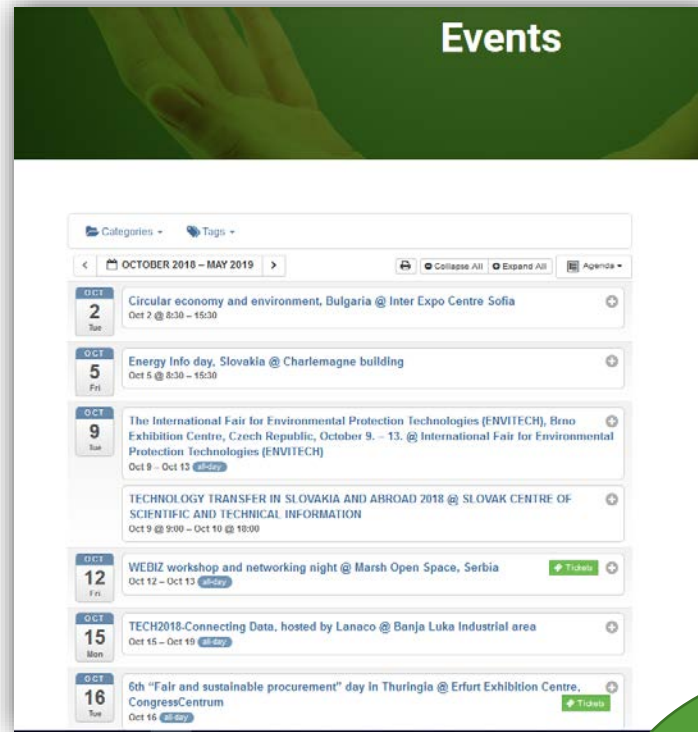
Creation of new networks and cooperation to relevant organizations, finding cooperation partners, introduction of own institution or company



The screenshot shows the 'Success stories' page with a green background featuring a hand holding a globe. The page lists several success stories:

- Sustainable innovation readiness level**: Since 2015 the University of Natural Resources and Life Sciences (Vienna, Austria) each year rewards outstanding achievements in the field of sustainability.
- Earthworms and Heavy Metal Pollution in Soil**: Heavy metals in the environment are a serious health risk to any living organism. Originating from car emissions, mining activities or wrongly disposed batteries, these non-biodegradable pollutants accumulate.
- EcoTechnology: Formula for compound with low rolling resistance**: In the short video, the co-author of the Best Slovak Innovation of the year 2018 – prof. Ing. Darina Ondrušová, PhD. introduces their award winning innovation Formula for Compound with Low Rolling Resistance.
- Poduhvat: windturbines for urban environment**: ... from Serbia invented a new concept ... At the Green Innovation ...

Comprehensible way of explaining the ecosolutions to increase demand from the industry part for research products



The screenshot shows the 'Events' page with a green background featuring a hand holding a globe. The page displays a calendar of events for October 2018 to May 2019:

- 2 Oct 2 @ 8:30 – 15:30**: Circular economy and environment, Bulgaria @ Inter Expo Centre Sofia
- 5 Oct @ 8:30 – 15:30**: Energy Info day, Slovakia @ Charlemagne building
- 9 Oct @ 9:00 – Oct 10 @ 18:00**: The International Fair for Environmental Protection Technologies (ENVITECH), Brno Exhibition Centre, Czech Republic, October 9. – 13. @ International Fair for Environmental Protection Technologies (ENVITECH)
- 9 Oct @ 9:00 – Oct 10 @ 18:00**: TECHNOLOGY TRANSFER IN SLOVAKIA AND ABROAD 2018 @ SLOVAK CENTRE OF SCIENTIFIC AND TECHNICAL INFORMATION
- 12 Oct @ 12 – Oct 13 all-day**: WEBIZ workshop and networking night @ Marsh Open Space, Serbia
- 15 Oct @ 15 – Oct 19 all-day**: TECH2018-Connecting Data, hosted by Lanaco @ Banja Luka Industrial area
- 16 Oct @ 16 all-day**: 6th "Fair and sustainable procurement" day in Thuringia @ Erfurt Exhibition Centre, CongressCentrum

Events related to technology and environment, eco technologies, ecosolutions

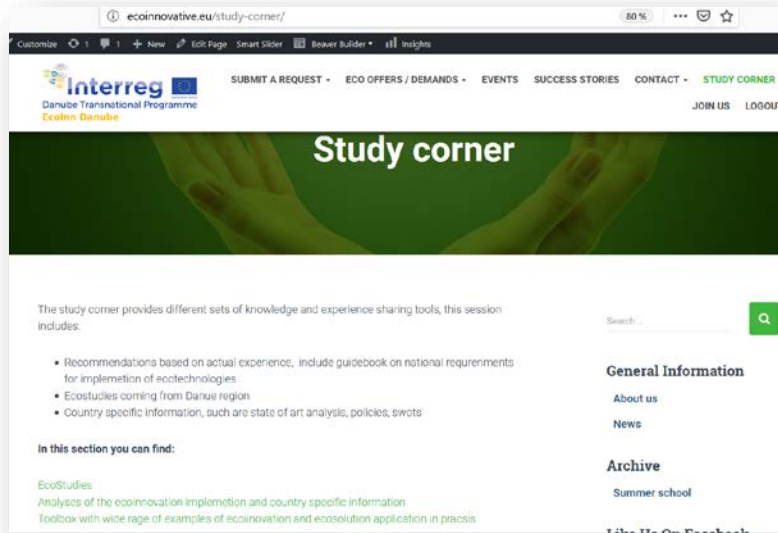
ecoinnovative.eu/expert-database/

SUBMIT A REQUEST - ECO OFFERS / DEMANDS - EVENTS - SUCCESS STORIES - CONTACT - LOGIN

Search

Country	organisation	address/phone number	webpage	area of research/specialization	scope of activities	Contact
Austria	Austrian standards	Vienna, +43 1 213 00-300	https://www.austrian-standards.at/en/products-services/	EU legislation and standards	online services, official certification of products, processes etc.	For further information on experts, please contact Andrea Pitzsch
Austria	Aracuba GmbH	Vienna, +43 664 7372 8205	www.aracuba.eu	Energy and resource efficiency	strategy consulting, startup coaching, training (see http://www.aracuba.info/aexp/en)	For further information on experts, please contact Andrea Pitzsch
Austria	Aracuba GmbH	Vienna, +43 664 7372 8205	www.aracuba.eu	Management improvement, strategy consulting	strategy consulting, startup coaching, training (see http://www.aracuba.info/aexp/en)	For further information on experts, please contact Andrea Pitzsch
Austria	FFG, unit European and International Programmes	Vienna, +43 5 7755 4001	https://www.ffg.at/en	EU funding and application support		For further information on experts, please contact Andrea Pitzsch
Austria	IOB Innovationsfördernde	Vienna, +43 1 245 70 817	http://www.ioeb.at/	public procurement, focus on ecoinnovation	free consulting and matchmaking services, updated project	For further information on experts, please contact Andrea Pitzsch

Consultation of ecosolutions and ecotechnologies, participation to database, search for support service expert



Toolbox contains guidelines, recommendation packages based on previous experience of implementation, concepts of summer school and guidebook and transfer of knowledge in the DR.



Exchange of experience and knowledge in the DR and country specific information

Join us

Fields marked with an * are required

Name of organization (in English) *

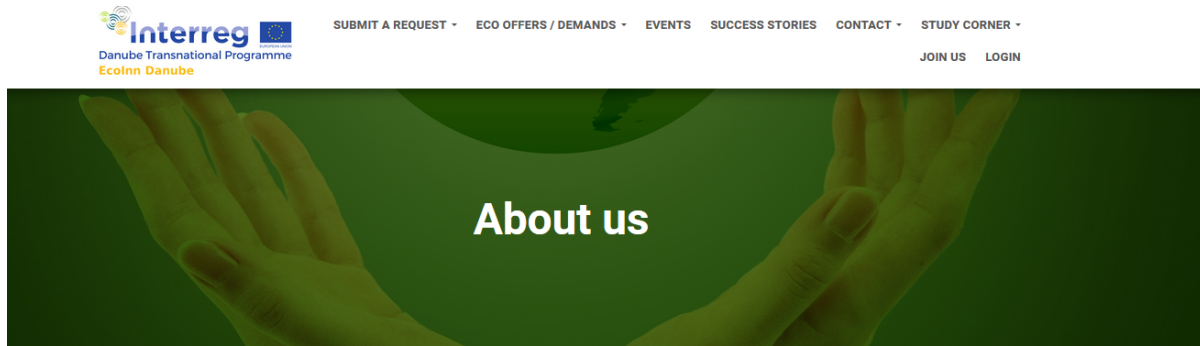
Type of organization *

Fields of interest *

- Agriculture
- Air quality
- Automotive
- Biofuels
- Buildings
- Business support
- CHP
- Coaching

Join the network that will be created progressively and in mutual cooperation – more information are available in plan from new stakeholders joining the network

The website also includes an *About us* section with information about the EcoInn Danube project



This virtual lab is created as part of the EcoInn Danube project co-funded by the Interreg Danube Programme.

General objective of the **EcoInn Danube project** is to enhance cooperation of innovation actors in the field of ecoinnovations with special emphasis on development and application of ecotechnologies in the Danube Region.

Project main pillars:

1. Increase transnational cooperation in ecoinnovations – The only effective way how to face enviro problems is a joint transnational effort. THE aim is to interconnect and survey needs and requirements of all elements of the ecoinnovation cycle: general public/consumers intensively demanding new eco-products and services; producers/small and medium enterprises (SMEs) forced to produce ecologically; Research & Development institutions generating new eco-oriented ideas; public institutions and 3rd sector calling for a green production.

2. Increase the match of demand and supply in ecoinnovation – Producers are forced to look for eco solutions enabling them to perform a greener production. Researchers perform environmental research which is often not problem solving oriented. Our aim is therefore to increase the match of demand of producers and supply of researchers in order to support an applied environmentally oriented research which will lead to the development of new ecotechnologies with a practical application. Smart tools for easing this matching are introduced and adopted.

Search ... 

General Information

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[News](#)

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[Summer school](#)

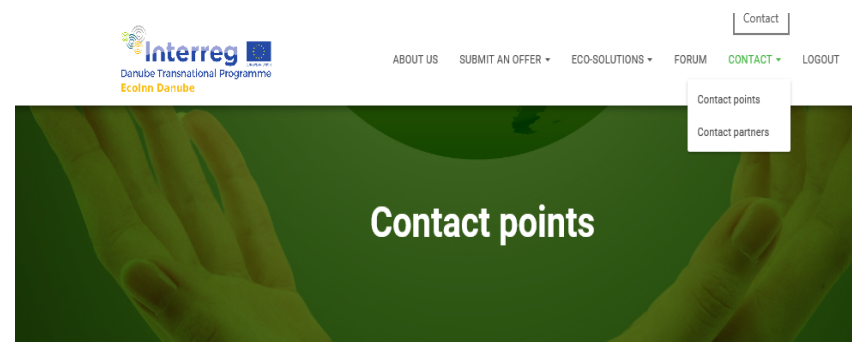
Like Us On Facebook



Twitter Tweets

In the bottom of the page please read the:

- [Privacy policy](#)
- [Terms of use](#)



Contact points are people responsible for publishing offers created through create offer page. They can be contacted if the publishing takes more than week or some problems arose. There is one contact point in each of our project partners country.

Country	Name	Email	Phone
Austria	Andrea Pitzschke	andrea.pitzschke@economica.at	00436603200420
Bosnia and Herzegovina	Igor Pandžić	igorp@bl.komorars.ba	0038751215564
Bulgaria	Veselin Tsvetkov	cci-vr@online.bg	0035992660271
Croatia	Jako Horvat	jako.horvat@reda.hr	0038540395538
Czech Republic	Martina Kodýdková	kodydkova@ro.vutbr.cz	00420541144229
Germany	Simona Pede	pede@bwcon.de	004971118421643
Hungary	Péter Káldos	kaldos.peter@djnkft.hu	0036302604503
Serbia	Radomir Topalov	radomir.topalov@rorbanat.rs	00381645913600
Slovakia	Alena Kojdiaková	alena.kojdiakova@cvtisr.sk	00421269253166
Slovenia	Niko Natek	niko.natek@kssena.velenje.eu	0038638961521

Search 

Experts

[Contact map](#)

[AUSTRIA](#)

[BOSNIA AND HERZEGOVINA](#)

[BULGARIA](#)

[CROATIA](#)

[CZECH REPUBLIC](#)

[GERMANY](#)

[HUNGARY](#)

[SERBIA](#)

[SLOVAKIA](#)

[SLOVENIA](#)

[Expert database](#)

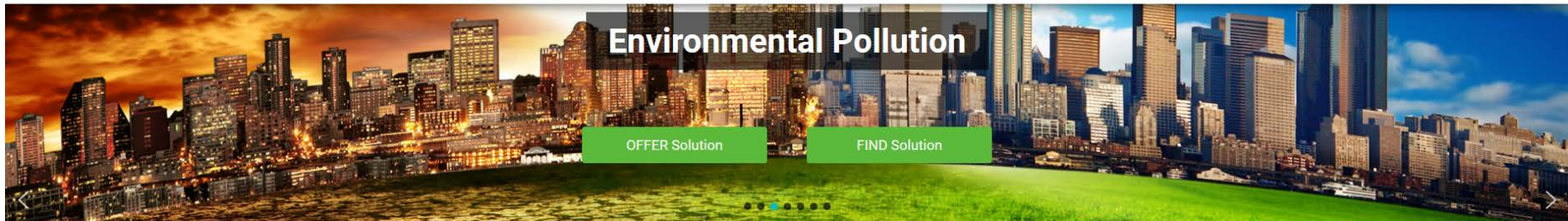
In case of problems solving is needed, contact points can be reached through a contact list or issues can be reported at: ecoinn.danube@cvtisr.sk

ANNEX 2: SITE MAP: PAGES

- [About us](#)
- [Activity on forum](#)
- [Calendar](#)
- [Contact](#)
 - [Contact partners](#)
 - [Contact points](#)
- [Eco-solutions](#)
- [Events](#)
- [Expert database](#)
- [FAQ](#)
- [Forum](#)
- [Groups](#)
- [Join us](#)
- [Login](#)
- [Members](#)
- [News](#)
- [Privacy policy](#)
- [Register](#)
- [Sitemap](#)
- [Stakeholders map](#)
 - [AUSTRIA](#)
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 - [CROATIA](#)
 - [CZECH REPUBLIC](#)
 - [GERMANY](#)
 - [HUNGARY](#)
 - [SERBIA](#)
 - [SLOVAKIA](#)
 - [SLOVENIA](#)
- [Stakeholders map](#)
- [Study corner](#)
 - [DR countries info](#)
 - [Eco studies](#)
 - [Apple production and climate change](#)
 - [Going 100% Organic](#)
 - [Pollutant profile of the Danube river](#)
- [Submit a request](#)
 - [Demand](#)
 - [Offer](#)
- [Success stories](#)
 - [Circular Czechia](#)
 - [Earthworms and Heavy Metal Pollution in Soil](#)
 - [First machine for backed up plastic bottles in the Czech Republic](#)
 - [Formula for Compound with Low Rolling Resistance](#)
 - [Poduhvat: wind turbines for urban environment](#)

- [Sustainable innovation readiness level](#)
- [The ban on single-use plastic](#)
- [The eco-friendly company Remiva](#)
- [Summer school](#)
- [Terms of use](#)
- [test](#)
- [Toolbox](#)
 - [Cities and municipalities](#)
 - [Digital ecosolutions](#)
 - [Education, policy makers](#)
 - [Energy saving, material reuse, green events](#)
 - [Funding solutions, venture capital](#)
 - [Green Design, green business model](#)
 - [Intellectual property protection, trademarks](#)
 - [Technology commercialization guidance](#)
 - [Technology Transfer Guidance](#)

ANNEX 3: VIRTUAL LAB MAIN PAGE



WELCOME TO THE VIRTUAL LAB FOR ECO INNOVATIONS

What are you looking for?

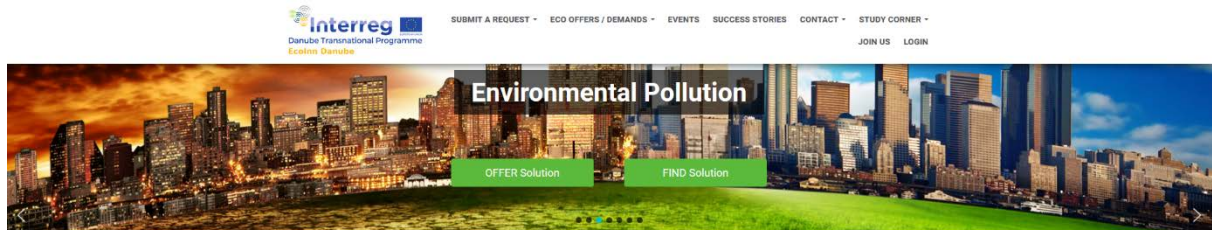
I want to **OFFER** my eco-solution!

I want to **FIND** eco-solution for my company!

I want to **SEARCH** for available solutions!

ANNEX 4: DETAILED MECHANISM OF PUBLISHING OFFER AND DEMAND

Main page

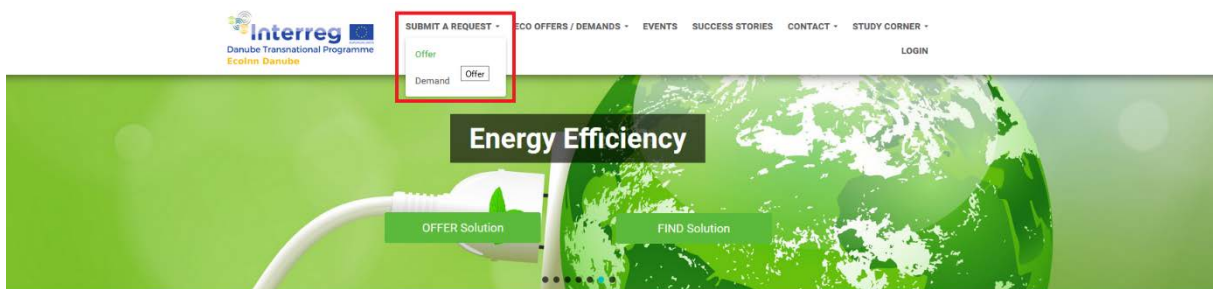


WELCOME TO THE VIRTUAL LAB FOR ECO INNOVATIONS

What are you looking for?



If you want to submit an offer – already have an eco-solution – or try to find specific solution – demand

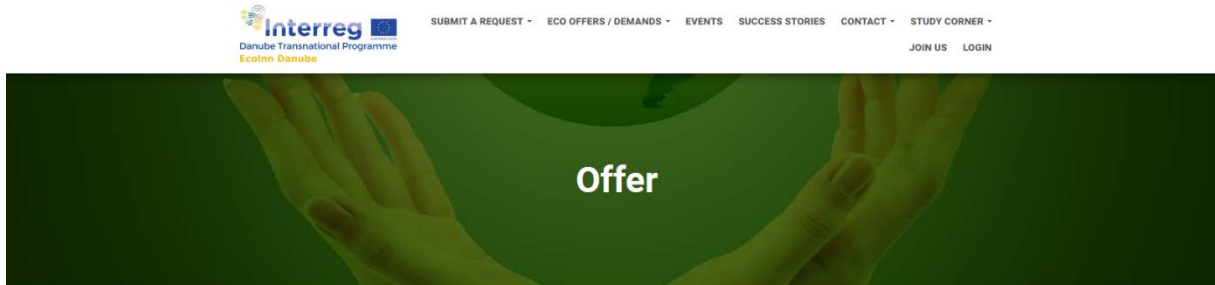


WELCOME TO THE VIRTUAL LAB FOR ECO INNOVATIONS

What are you looking for?



Fill in the form for offer if you have an eco-product you want to showcase:



Have you created an eco-friendly technology? Share it with investors!

ECO-INNOVATION OFFER FORM

Please let us know details of the eco-technology you offer!

* Required

Email address *
Your email

Company / institution *
Your answer

Country *

Search

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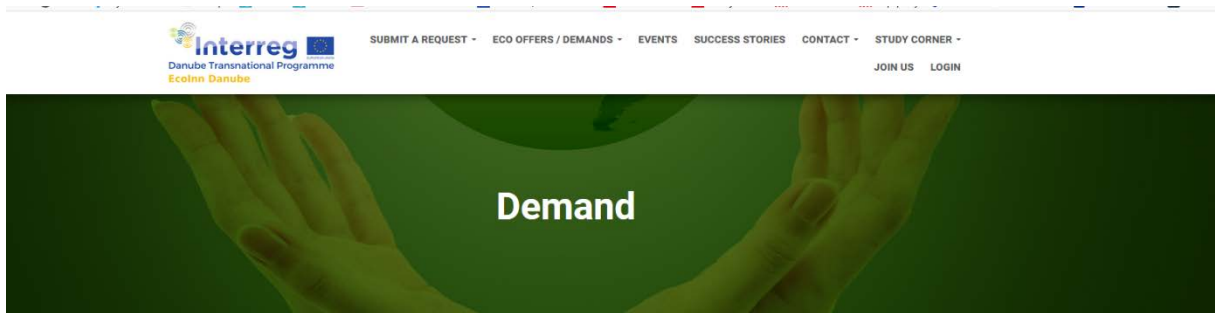
Archive

[Summer school](#)

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Fill in the form for demand to express need for solution or cooperation in certain topic



Do you need eco-friendly solution to help in your company? Fill in our form!

ECO-INNOVATION DEMAND FORM

Please let us know details of the eco-technology you offer!

* Required

Email address *
Your email

Company/ institution: *
Your answer

Country: *

Search

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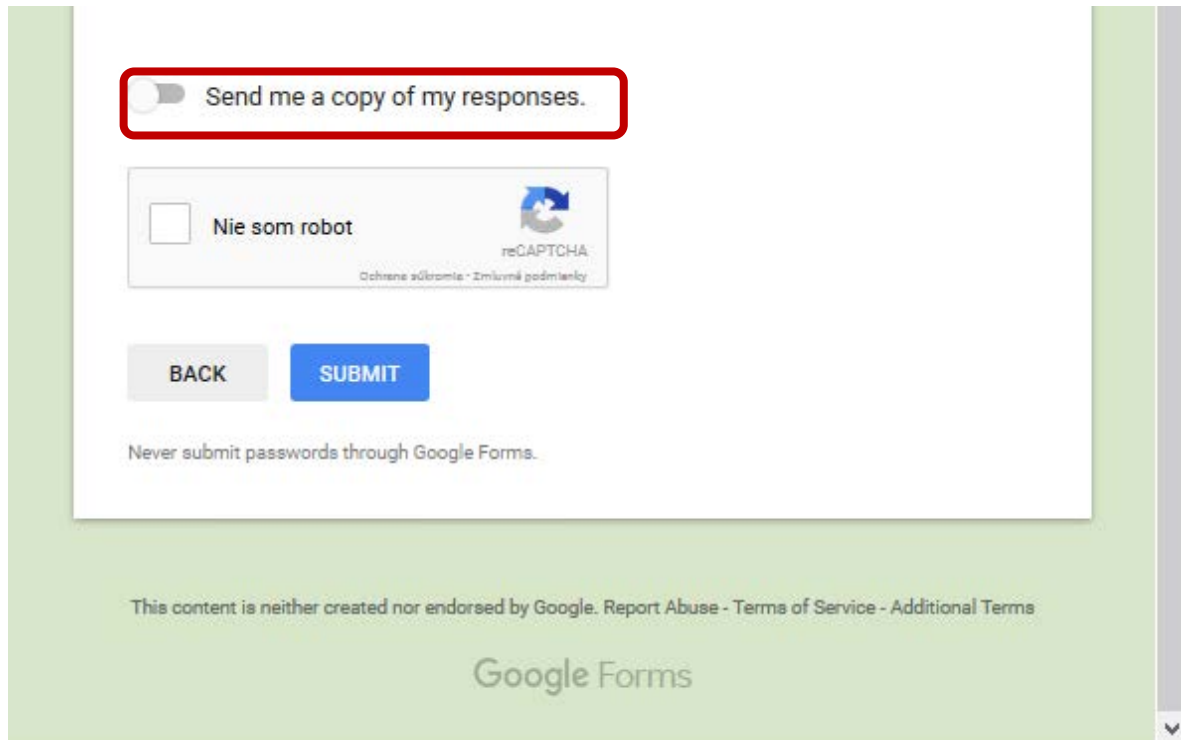
Archive

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Like Us On Facebook



After filling it and sending the questionnaire, answers will be published by a country contact point as a post in eco-solution.



Send me a copy of my responses.

Nie som robot 
reCAPTCHA
Ochrana súkromia · Zmluvná podmienka

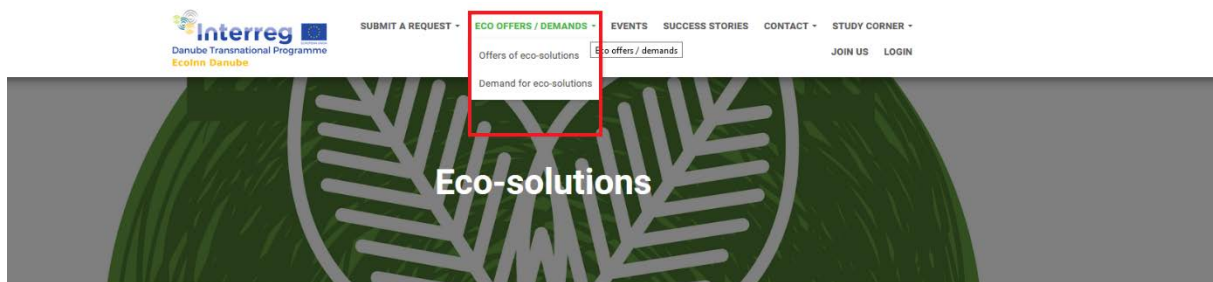
BACK SUBMIT

Never submit passwords through Google Forms.

This content is neither created nor endorsed by Google. Report Abuse - Terms of Service - Additional Terms

Google Forms

Already published offers can be browsed in the eco offers and demands section and filter possible options using key words



Search 

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Offers of eco-solutions

Search

OFFERS OF ECO SOLUTIONS

Makilla – How Not to Print

Name How Not to Print Company / Institution: Tinkron Energy Website: www.tinkron.com Country: Serbia Segment: Energy Management, Energy systems Description of eco-technology / Summary of the offer Makilla is a software that allows you to print documents on both sides of the paper. All services are over internet all sales point are on the website. Environmentally friendly systems Description of eco-technology / Summary of the offer Makilla is a software that allows you to print documents on both sides of the paper. All services are over internet all sales point are on the website. Environmentally friendly systems



OFFERS OF ECO SOLUTIONS

Environment Friendly Combustion System for Sawdust – Eko Plamen 3

Name Environment Friendly Combustion System for Sawdust – Eko Plamen 3 Company / Institution: Pero Davidic Website: www.pero.davidic.rs Country: Serbia Segment: Waste management, Environmentally friendly systems Description of eco-technology / Summary of the offer Eco-innovative product in area of space heating. This eco-innovative technology is developed in response to Read more...

ECO SOLUTION

SQE building technologies

Description of your eco-technology Oratran company has developed new energy construction technology based on constant insulation framework which is in its form a separate part of the building structure. Compared to traditional methods of construction this technology provides a new, modern way of building with less waste and unneeded. Read more...

ECO SOLUTION

Additional equipment for filling a car tank with petrol

Description of your eco-technology It is well known that when filling the car tank with petrol, users often spend a certain amount of money they wish to spend (for example 100,000 EUR). This is where the product occurs because users wish to come to a certain amount of money and stop.

ECO SOLUTION

Calmag – water quality products

Description of your eco-technology Calmag is a great product for water protection for people, plants and animals. It is based on an innovative use of a variable magnetic field. The new technology is used in a range of water, waste water, but also in the model performance for each. Read more...

OFFERS OF ECO SOLUTIONS

Balmaris – Novel ecologically acceptable system for treatment of boiler water and other fluids

Description of your eco-technology Balmaris Ltd. is a start-up company with headquarters in Rijeka (Croatia). The company is specialized in developing different projects in the area of environmental protection. The major field is the development of an innovative eco-friendly technology for boiler water treatment, as well as other fluids.

OFFERS OF ECO SOLUTIONS

Innovative process for preparing catalysts for hydrogen production with improved performance and reduced costs

Name of eco-innovation offer Innovative process for preparing catalysts for water and steam hydrogen fuel cells Company / organisation National Institute of Chemistry, Institute of Catalysis, Type of organisation Research and Development, Academic Country Slovenia Website: https://www.ni.si/en Description of required eco-innovation / solution / technology / resource / knowledge / product / service



OFFERS OF ECO SOLUTIONS

Optimized living environment for energy efficiency

Name of eco-innovation offer Smart home Company / organisation ISAD d.o.o. Type of organisation Development and production Country Slovenia Website: http://www.isad.com/ Description of required eco-innovation / solution / technology / resource / knowledge / product / service ISAD d.o.o. is the owner of the development and production of an innovative. Read more...



OFFERS OF ECO SOLUTIONS

Socially responsible management of waste oils

Name of eco-innovation offer Socially responsible management of waste oils Company / organisation BOLJE, družba za odgovorno ravnanje z odpadki, d.o.o. Type of organisation Social enterprise Country Slovenia Website: http://www.bolje.si/ Description of required eco-innovation / solution / technology / resource / knowledge / product / service Unlike classic paraffin. Read more...

ECO SOLUTION

Applied Research and Development services and solutions for private organisations
BIV Zolčan Nonprofit Ltd. offers scientific and technological solutions in various areas of health care, food and industry 4.0 technologies.

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Innovator Sako Brno, a.s. opened 4 new receive points in the Brno, second largest city in the Czech Republic, where everyone can position functional things that nobody no longer need at home or at work. More: <https://t.me/colnn/344>



May 31, 2019

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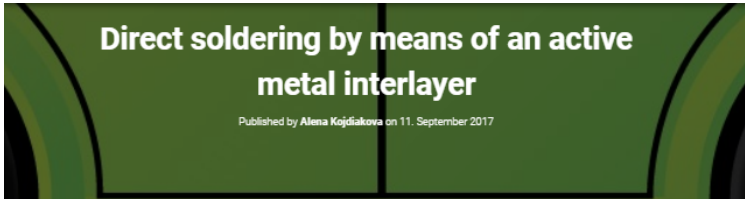
The Serbian government has adopted a regulation on the criteria for determining activities that affect the environment according to the amount of pollution.

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Detail information on offer can be find after selecting particular technology:



Title	Direct soldering by means of an active metal interlayer
Basic technology outline	<p>Direct soldering by common solder and active metal interlayer</p> <p>A direct soldering process utilizing a combination of conventional solder and interlayer of active metal (Ti, Mg, Zn, Hf, Cu, La, Y, Ce, Pr)</p> <p>Allows direct soldering of non-metallic materials without their prior plating and without the use of active solders</p>
Technology deployment	<p>Soldering of metallic materials with non-metallic</p> <p>Usable in the fields of vacuum technology and other laboratory techniques, electrical engineering, research and development.</p> <p>Allows direct soldering of metallic materials with non-metallic or difficult to solder materials</p> <p>Designed for ultrasonic or vacuum soldering</p> <p>Suitable for the manufacture of products based on metals, technical ceramics, glass and other non-metallic materials</p>
Advantages over currently used solutions	<p>Usable for all application temperatures</p> <p>Allows use of common solders (Sn, Sn+Ag, others) with non-metallic soldering</p> <p>Suitable for all application temperatures and large amount of materials – by the combination of solder and active metal used</p> <p>does not require special processing of soldered materials</p>
Current status of technology	<p>Patented and tested technology</p> <p>(Slovak) patent pending No. 50096-2016</p> <p>Successfully tested under relevant conditions</p> <p>Realized and analyzed were solder joints formed between the materials: Cu & Si, SiC, Al₂O₃, SiO₂, C (graphite) and others</p>
More information	<p>Jaroslav Noszovic, PhD.</p> <p>+421 2 69 253 100</p> <p>jaroslav.noszovic@vutisrak</p>

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