

INNOVATIVE SOLUTIONS for CIRCULAR ECONOMY



Innovation Vouchers European financial & acceleration opportunities from the experience of NEPTUNE & C-VoUCHER projects

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North-West Regional Development Agency

Interregional Conference Project REDUCES, Maramureş County Council
Business Models in Circular Economy - Resource efficiency & Recycle
20th of April 2021, on-line



Accelerators for innovative solutions

- ✓ For BLUE GROWTH industries



- ✓ For CIRCULAR ECONOMY



➤ **INNOSUP-01 Clusters** facilitated projects for new industrial value chains



- ✓ **2016 - 2018**
- ✓ 11 partners from 7 countries: NW România, France, Spain, Italy, Greece, Poland, Sweden - LP Aerospace Valley Cluster (FR)
- ✓ **2 trans-naționale Innovation Clubs, 2 open calls for Innovation Vouchers** between **5.000 - 60.000 euro** & suport services for SMEs from Blue Growth industries : **apelor urban & rural management, see transport & logistics, environment, energy**
- **41 innovative solutions developed by 72 SMEs** from the 7 European states/regions, with a budget of **2.7 mil euro + 0.4 mil euro** coaching & mentoring support services

- **2018 - 2021**
- 13 partners from 6 countries : România, Poland, Denmark, France, Spain, Italy - LP FundingBox (PL)
- Budget of **4.1 mil euro** pentru 64 SMEs
- **2 Acceleration Programmes** in Circular Economy for SMEs from **agri-food, manufacturing, textiles, health and water/ blue growth**.
 - **Innovation Vouchers of 60.000 euro** forentru 12 SMEs from EU + designthinking, coaching & mentoring support services
- **2 Replication Programmes**, adopting circular solutions
 - **Vouchers of 15.000 euro/ each** for 42 Business Cases + designthinking & mentoring support sessions

4 water related innovative solutions developed jointly by 6 SMEs from NW Region of România

1

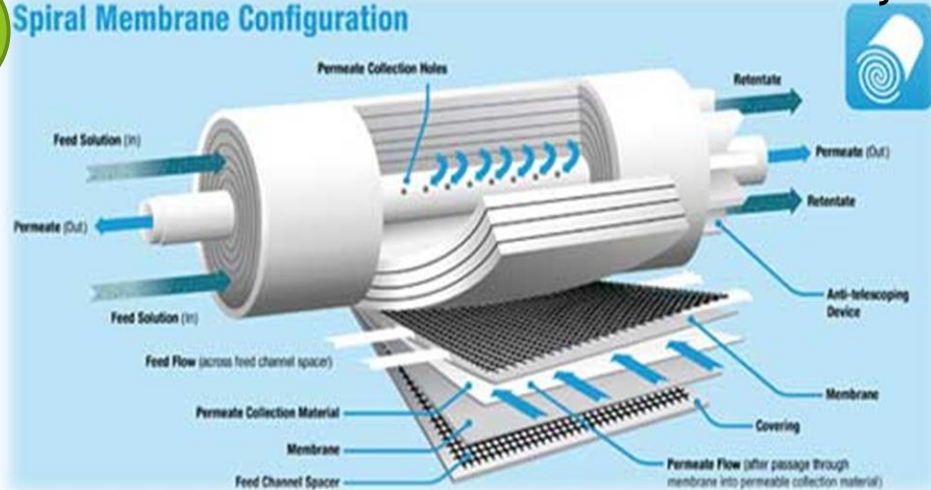


3



2

ANASYWA: Waste water Nanofiltration advanced system Spiral Membrane Configuration



4



- <http://www.nord-vest.ro/bilant-neptune-acceleratorul-de-solutii-inovative-in-domeniul-apei/>
- <https://www.mediafax.ro/social/echipament-prin-care-se-obtine-apa-potabila-din-balti-realizat-de-cercetatori-clujeni-17583632>
- <http://ziarulfacia.ro/solutii-unicat-pentru-imbunatatirea-calitatii-apei/>
- <http://www.ziuanews.ro/revista-presei/echipament-prin-care-se-obtine-apa-potabila-din-balti-realizat-de-cercetatori-clujeni-1037042>
- <http://www.ziare.com/magazin/cercetare/cercetatorii-clujeni-au-realizat-un-echipament-prin-care-se-obtine-apa-potabila-din-balti-1536457>
- <http://www.nord-vest.ro/saptamana-verde-europeana-orase-verzi-pentru-un-viitor-mai-verde/>
- <http://www.nord-vest.ro/conferinta-finala-de-diseminare-a-solutiilor-inovative-sustinite-prin-voucherele-de-inovare-neptune/>

Budget of 287.500 for SMEs from NW Region of Romania

NEPTUNE CATALOGUE - 41 financed projects

<http://www.neptune-project.eu/Neptune-Accelerator/Main-achievements>



Bruxelles, 17 octombrie 2018



Circularize Value Chains across European Regional Innovation Strategies

OBJECTIVE: C-VoUCHER aims to develop new circular (cradle to cradle) value chains, disrupting traditional linear (cradle to waste) SMEs business models by means of cross-fertilization with Design Thinking experts and Circular Disruptors, to increase competitiveness and resource optimization.



MANUFACTURING

- Recycling raw materials & products
- Biodegradable materials
- Product Reuse, extend live cycle
- New users on the value chain



TEXTILE

- Textile waste
- Clothing collect & sort
- Organic materials
- Fibres recycling



BLUE GROWTH

- Reduce environmental impact
- Waste use
- Water quality
- Cross-sectors use



HEALTH

- Expired Pharmaceuticals storage & cassation
- Packaging
- Medical devices



AGRO-FOOD

- Food waste
- Storage perishable materials
- Traceability
- Biomaterials
- Smart packaging

2 Open Calls for Innovation Vouchers & support services

Circular Economy Acceleration Programmes for SMEs



Circular economy
OPEN CALL FOR ADOPTERS
Are you the next big wave?

15 000€ for your project!

Support by a design thinking expert

APPLY NOW! Mentoring sessions

<https://call-for-adopters.fundingbox.com>



C-VoUCHER 2nd
Circularity
Programme Open
Call

Currently looking for Circularity SMEs

<https://smes-open-call.fundingbox.com/>

Register in the C-VoUCHER COMMUNITY
<https://spaces.fundingbox.com/c/c-voucher>
www.c-voucher.com



12 Semi-finalist SMEs



2019

 **C-Voucher**
Bootcamp
Santiago de Compostela
Spain

4-6 February

<https://c-voucher.com/circular-business>

<https://www.nord-vest.ro/solutie-inovativa-de-economie-circulara-in-sectorul-confectiilor-textile-sustinuta-prin-programul-de-accelerare-c-voucher/>

- [Katty Fashion SRL](#) – Zero Waste (Romania)
- [Commown](#) – HaaS (France)
- [Nordphos](#) – Water treatment membrane (Denmark)
- [ImseVimse AB](#) – Reused textile diapers (Sweden)
- [Pyxo SAS](#) – Reusable catering plates (France)
- [Bio Stopanstvo Lopyanko Ltd](#) – Silkworms organic protein (Bulgary)

Circular Solution mentored by North-West RDA - I

ZERO WASTE Textile

- 3D Optimizing tailoring + client co-creation programme
- ✓ 12 months Acceleration programme
- ✓ 60.000 euro voucher
- ✓ Designthinking services
- ✓ Business mentoring sessions
- ✓ Financial opportunities sessions




Katty Fashion



<https://www.nord-vest.ro/solutie-inovativa-de-economie-circulara-in-sectorul-confectiilor-textile-sustinuta-prin-programul-de-accelerare-c-voucher/>

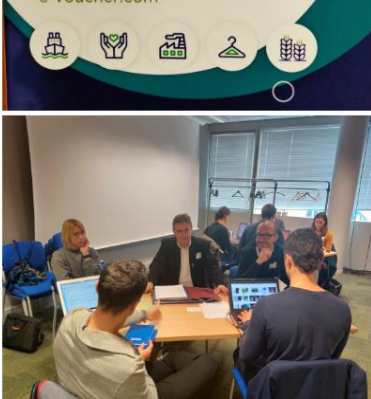
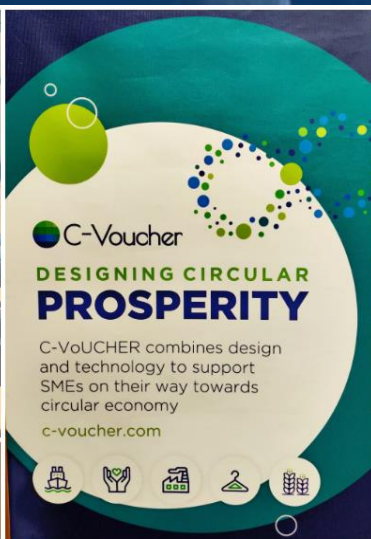
Home > News > 6 SMEs to onboard second round of the C-VoUCHER Circularity Programme

2020

6 SMEs to onboard second round of the C-VoUCHER Circularity Programme

16 March, 2020

<https://call-for-adopters.fundingbox.com/pages/circular>



1. **Rexon system Aps** – Reusing of prefabricated loadbearing walls
2. **Panctonid Environnement** – Recovering minerals in wastewater with microalgae
3. **Artex AB** – Re-using waste from the refurbishment of transport vehicles
4. **Krack Zapaterias** – Recycling of worn shoes
5. **Danske Vaerktoej ApS** – Recycling 3D printed cutting tools
6. **SC Fibrex CO SRL** – Re-using waste from composite materials

Circular Solution mentored by North-West RDA - II

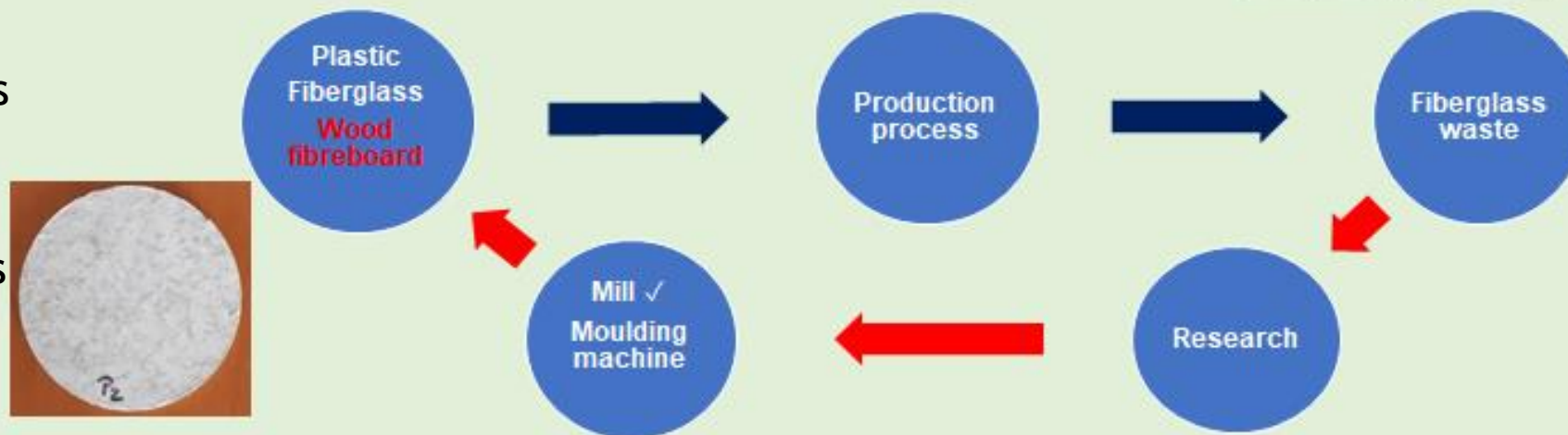
Recyclable waste valorization

- Prototype for reusing the fiberglass in new products

Fibrex CO-Case study– our goal is to “close the loop”



- ✓ 12 months Acceleration programme
- ✓ 60.000 euro voucher
- ✓ Designthinking services
- ✓ Business mentoring sessions
- ✓ Financial opportunities sessions



Circular Solutions Replication Programmes

2020



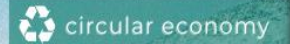
Circular economy
OPEN CALL FOR ADOPTERS
Are you the next big wave?

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Support by a design thinking expert

APPLY NOW! Mentoring sessions

2021



2nd Open Call for Adopters

15 000 € available for your project

Design thinking expert support

Mentoring sessions

APPLY

- ✓ 120 applications from 32 counties
- ✓ 18 winning projects, assisted for 3 months in the Adopters Programme 1st Edition

<https://c-voucher.com/winners-1st-open-call-adopters/>
<https://spaces.fundingbox.com/c/c-voucher/collections/adopters>

- ✓ 178 applications from 26 countries
- ✓ 24 winning projects, assisted for 3 months in the Adopters Programme 2nd Edition > January - March 2021

<https://c-voucher.com/results-of-the-circular-economy-2nd-open-call-for-adopters/>

Circular Solutions mentored by North-West RDA ADOPTERS PROGRAMME 1st Edition 2020

REUSE OF APPLE POMACE TO PRODUCE BY-PRODUCTS

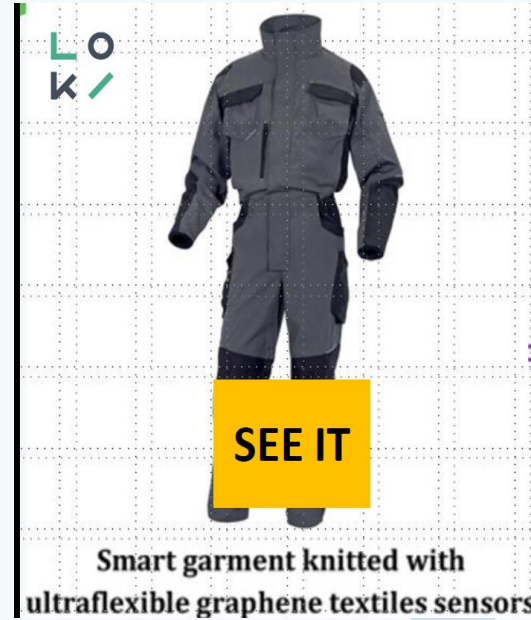


<https://spaces.fundingbox.com/spaces/c-voucher-circular-economy-events-other-opportunities/5f6ce7aff9a7a75c28f341cc>

REUSE FOOD WASTE TO PRODUCE 3D PRINTED DECORATIVE OBJECTS

Krill Design, Italia

<https://spaces.fundingbox.com/spaces/c-voucher-circular-economy-events-other-opportunities/5f6c0e81f9a7a75c28f33f27>



SMART PROTECTION EQUIPMENTS FROM NATURAL BASED FIBRES



<https://spaces.fundingbox.com/spaces/c-voucher-circular-economy-events-other-opportunities/5f6cf987f9a7a75c28f341ce>

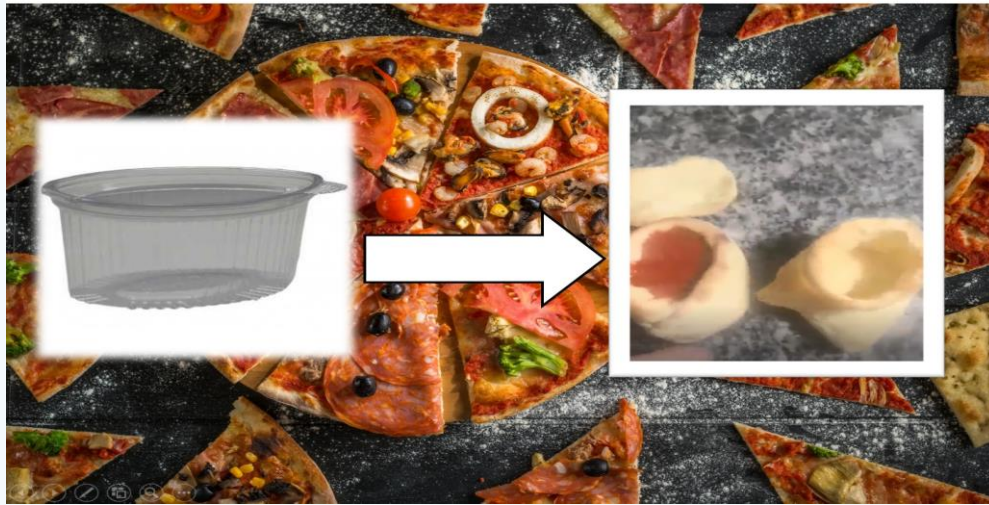


Circular Solutions mentored by North-West RDA

ADOPTERS PROGRAMME 2nd Edition, 2021

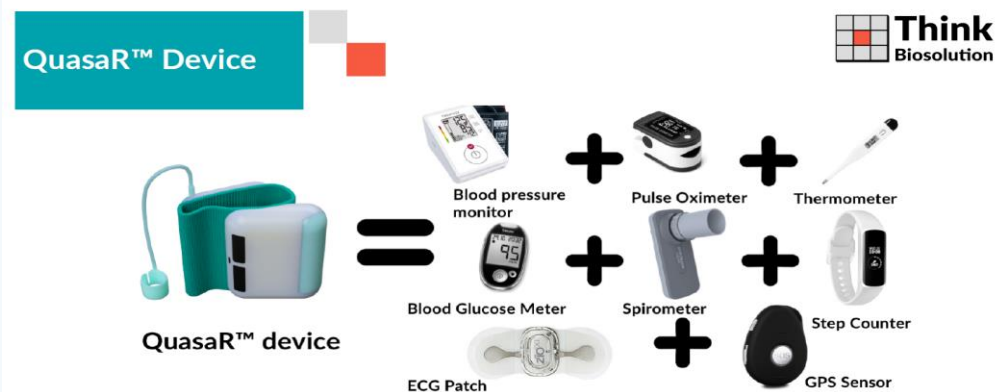
EDIBLE CONTAINERS

Pizzeria Mancare cu Suflet, Oradea, România
From plastic to biodegradable



QuasRMode , Ireland

Modular Device for disease prevention monitoring



QuasaR™ device replaces simultaneous use of eight different kinds of medical devices

NESTART - Design objects from metal waste, Italy



MY WATER - IOT embedded Public Water dispenser

Slovenia



Circular Economy TOOLKIT for Regions

CALIBRATION PROGRAMME

Know-how transfer on SMEs innovation vouchers
open calls elaboration & scheme management

18 martie - 29 aprilie 2021

Resource Centre Platform for knowledge
sustainability

- **best practices & know how transfer of tools & methods successfully used in the project**
- **8 on-line sessions dedicated to external interested organizations**

<https://www.nord-vest.ro/24-de-solutii-inovative-de-economie-circulara-finantate-prin-proiectul-c-voucher/>

C-VoUCHER COMMUNITY

<https://spaces.fundingbox.com/c/c-voucher>



<https://c-voucher.com/circular-business/>



C-Voucher Calibration Programme

Boost Circular Economy in your region



WHY TO PARTICIPATE

- ✓ Learn from real cases
- ✓ Network with other regions
- ✓ Share your challenges

SESSIONS



Opening Session:

"What is regional acceleration of CE, C-Voucher and what is the 8 weeks 'calibration program?'"

Thu, Mar 18, 2021 3:00 PM - 4:00 PM | CET

Free registration [here](#)



Strategy:

"Strategy for circular economy transformation and growth – what can it bring to your region?"

Thu, Mar 25, 2021 3:00 PM - 4:00 PM | CET

Free registration [here](#)



Design:

"How to build a strong regional partnership around circular economy – engaging all resources to be part of the solution"

Thu, Apr 1, 2021 3:00 PM - 4:00 PM | CET

Free registration [here](#)



Execution:

"How to design an acceleration program with impact, how to engage companies and how to manage bottom-up processes efficiently?"

Thu, Apr 8, 2021 3:00 PM - 4:00 PM | CET

Free registration [here](#)



Execution:

"How to use design thinking as a driver of new business models? – the Designer in Residence as consultant"

Thu, Apr 15, 2021 3:00 PM - 4:00 PM | CET

Free registration [here](#)



Enhance:

"How to support scalable solutions and value for more companies?"

Thu, Apr 22, 2021 3:00 PM - 4:00 PM | CET

Free registration [here](#)



Closing session:

"Wrap up and feedback on programme outcomes"

Thu, Apr 29, 2021 3:00 PM - 4:00 PM | CET

Free registration [here](#)

Join the **C-Voucher Toolkit Space** to meet virtually with other stakeholders and grow together sharing best practices!

Thank you for your attention!

North-West Regional Development Agency

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www.nord-vest.ro



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