

Green Deal Projects Support Office

4th Webinar for Network of
Multipliers

30th January 2024



Agenda

AGENDA ITEM	Time
Welcome and introduction (<i>Beatriz Mayor, GDSO</i>)	10:00
Update on working group activities and action plan (<i>GDSO</i>)	10:10
Selection of success stories from Green Deal Call projects	10:35
<ul style="list-style-type: none">○ ZeroW○ PIONEERS○ NeoGiANT○ ENOUGH	
Q&A	11:15
Communications update follow (<i>Anthony Santiago, GDSO</i>)	11:30
Newsletter and Peer to Peer opportunities update (<i>Matthew Collings, GDSO</i>)	11:40
Closing and next steps (<i>Beatriz Mayor, GDSO</i>)	11:50



Housekeeping rules

Please note that this event will be **recorded**. Therefore, please keep your **microphone muted** and **your camera turned off** during the plenary sessions unless otherwise stated.

Please use the chat to react, comment and ask questions related to the content of the sessions and use your microphone when given the floor.

If you have any technical issues, please send us a message in the chat or contact us at **support@greendealprojects.eu**



Introduction

Beatriz Mayor, GDSO



Overview

- **Green Deal Projects Support Office (GD-SO)** is operated for DG RTD by Ecorys and Ricardo
- **Mission:** Facilitate coordination between projects funded under the Horizon 2020 Green Deal Call and maximise their positive impact in the longer term.
- **Timeline:** GD-SO will operate until November 2026



Overview

- Key activities



Working Groups



Clean energy



Climate change
and biodiversity



Urban
environment
and mobility



Food and
health



Knowledge and
citizens



Introduction to the network of multipliers

What is it?

A network of actors interested in:

- following and disseminating the progress of the GD projects
- connecting to GD projects for synergies and exchanges.

What is it for?

It is aimed to:

- Disseminate the activities and results of the GDSO with the network
- ultimate aim to maximise GD project impacts.
- multiply dissemination of the results by engaging the network in sharing and promoting communications



Structure of the network

- **National level:**
 - National contact points
 - National institutions promoting projects under the Green Deal
 - GD project leaders who can benefit from knowledge sharing
- **EU level**
 - GD related associations
 - GD related platforms and initiatives
 - EU projects from other calls (H2020/Horizon, PRIMA,...)



The role of the multipliers

- **Participate and benefit from learning**
 - Invitation to a selection of GDSO activities
 - Periodic updates and webinars to update on GDSO progress
- **Request/offer engagement**
 - Projects may express interest to get connected to GD projects with common synergies
- **Maximise dissemination and impact**
 - Share communication materials through your networks
 - Share/tag content on social media
 - Make national research institutes/projects aware of the initiative so they can follow and benefit from the knowledge generated.



Update on working group activities and action plan



1 Climate change and biodiversity

17 projects
focused on climate
change mitigation
and adaptation
and preservation
of biodiversity.

1. Mapping commonalities

Challenges and
successes, contacts
and partners

2. Case studies

Mapping,
stakeholders,
coordination,
common workshops

3. Knowledge sharing activities

Thematic
discussions,
methodology sharing

4. Events

Joint webinars,
joint presentation
at events

5. Training

Stakeholders and
co-creation

6. Policy engagement

Exchanges with
policy makers



2 Clean energy



16 projects
focused on energy decarbonisation through development, deployment and integration of innovative technologies into the current energy system.

1. Policy inputs and developments

Position papers, meetings with decision-makers

2. Thematic discussions

Project matchmaking, Business model mapping

Africa – Europe Renewable energies

3. Communication and dissemination

Coordination of social media activities

4. Capacity and training

Thematic webinars and trainings



3 Urban environment and mobility



9 projects

focused on the sub-national green transition of multi-modal connection and transport nodes (ports and airports), buildings, neighbourhoods and cities.

1. Policy

Common implications of the Fit for 55 package, identification of areas for common policy influence

2. Thematic collaborations

Identification of areas for technical collaborations

3. Operational issues

Sharing of best practices, e.g. in the management of large consortia

4. Business models and funding

Exploitation models mapping, workshop on securing additional funding



4 Food and Health



15 projects
focused on
reshaping the food
and health sectors
to better support the
green transition.

2. Knowledge sharing and communication

Dissemination through social
media and other means
(continuation), Exchange
experiences on
methodologies, assessments
and definitions, dissemination
and communication plan

1. Policy

Develop policy
recommendations,
monitoring policy
updates (continuing),
reach-out to policy and
decision makers

**Farm to fork,
Food systems
& toxic-free
environment**

3. Events

Organise joint webinars
among GD projects with
thematic expert
stakeholders, Joint
participation in events



5 Knowledge and citizens

14 projects

focused on the role of research infostructure and citizen engagement in the implementation of the European Green Deal.



1. Policy focus

Policy recommendations and communications, policy briefs on different topics, ranging from: Data standardization, Citizens Science

2. Communication and dissemination

C&D plan, courses: MOOC, summer school, mapping commonalities and shared activities and deliverables

3. Events

Joint participation in public events, organisation of public events, joint GDC webinars

Selection of success stories from Green Deal Call projects



Food and Health

Identification of success factors for scaling up of FLW innovative solutions: Interactive stakeholder workshop in Brussels, 25/09/2023

Systemic Innovations Towards a Zero Food Waste Supply Chain - ZeroW



ZERO **W**





Interactive stakeholder workshop at the Food Banks 'Brussel Brabant' enabled the identification of key success factors for scaling up of FLW innovative solutions in different EU regions



Problem/context

- Large variability of food surplus and underutilised edible biomass fractions in 'small' quantities vs limited, often large scale and product-specific capacity of organisations to valorise it into added value intermediate or end food products;
- Access/transportation to available food valorisation facilities is prohibitive for relatively small and seasonal food surplus and becomes more critical in cases of disruptions (e.g. due to adverse weather, pandemics);
- High uncertainty and mismatch of food supply and demand in the food bank chain.





Interactive stakeholder workshop at the Food Banks 'Brussel Brabant' enabled the identification of key success factors for scaling up of FLW innovative solutions in different EU regions

- Workshop participants: representatives from food banks, fruit processing companies, retailers, auctions, and farmer organisations.

Impacts

- SILL4 solution prototype was live demonstrated to stakeholders, as well as insights for the foodbanks' operations
- Presentation and Q&A of the solution and status of the innovation
- Identified conditions that would foster or hamper the innovations further development in bottleneck dimensions
- Output will be integrated in the capacity building and scaling up strategies

Lessons

- Legislative challenges: need for procedures on control of donation of processed fruit and vegetables
- Policy measures to stimulate donations differ across EU
- A resilient and economically viable business model must be identified
- Mobility of the unit is complex and not strictly necessary



Food and Health

Bioactive extracts from agrifood by-products valorisation

 NeoGiANT



Problem/context

- Agri-food by-products
- Antimicrobial resistance (AMR)
- Human antimicrobial resistance

Outputs

- A **cost- effective, efficient, and sustainable methodology** for grape marc extraction
 - Meeting customer requirements for **new environmentally friendly natural-based products**
 - **Solutions for valorisation** of by-products generated in the wine sector

Success story highlights

- **Multi-component** ready-to-use **bioactive extracts**.
- **Circular economy:** Use of viticulture by-products as raw material.
- Use of **green extraction techniques**.
- **Zero-waste process:** reducing the amount of waste that wine producers have to manage.

Impacts

- **Sustainable solution** by reusing and **valorising** white grape agro-waste as biomass feedstock.
- Producing **bioactive natural extracts** as an alternative to synthetic compounds with **antimicrobial and antioxidant capacity**.
- Creating **new value chains** for the wine sector.

Lessons

- The most valuable conclusion is that **the reuse and valorisation** of waste or by-products from the agrifood sector **can solve both environmental and economic problems**, while creating new products with **added value** that can be beneficial for the sector itself.



Urban Environment and Mobility

Demonstrators' showcase - Interactive Map

PIONEERS - PORTable Innovation Open
Network for Efficiency and Emissions
Reduction Solutions

PiNEERS



Context

- EU ports environmental impact reduction
- Maintain competitiveness in a sustainable global trade ecosystem
 - Identification of innovative solutions tailored to specific contexts and not a one-size-fits-all approach

Outputs

Interactive map of the technological solutions for greening port industry launched on 8th November 2023

Success story highlights

Social Media Campaign Mid Term Assessment

- +154 unique visitors on LinkedIn [Software Development (33%), Maritime Transportation, (11.7%)]
 - +40 followers
- Average of 20 reactions / post
- 337 visitors on the demo web page

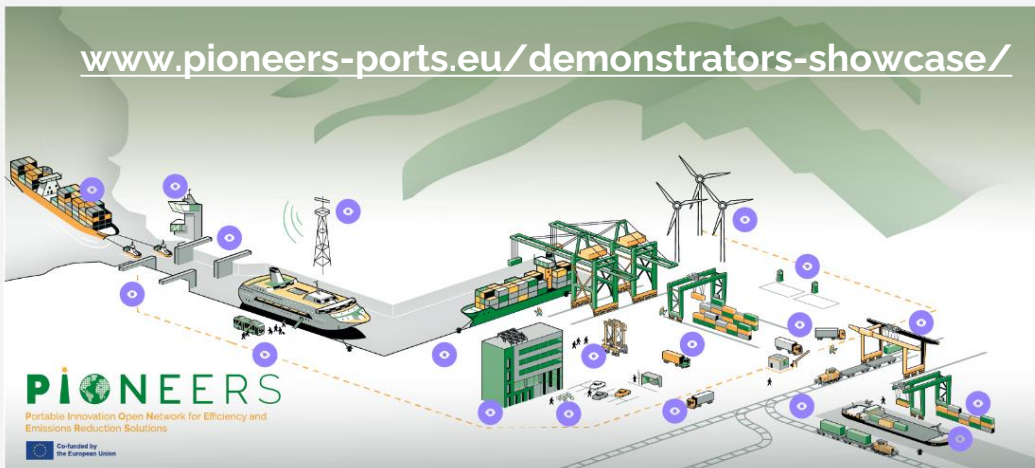
Impacts

- Generate concrete interest from the PIONEERS stakeholders' community in this opportunity.
- Boost market adoption of innovations

Lessons

- The conceptualization and design phase requires the cooperation of different professional figures.
- Engagement of Demonstrators' Leaders represents a crucial factor for the impact

www.pioneers-ports.eu/demonstrators-showcase/



Food and Health

Natural refrigerants for food last mile delivery

ENOUGH – European Food Chain Supply to Reduce GHG Emissions by 2050



ENOUGH
EUROPEAN FOOD CHAIN SUPPLY
TO REDUCE GHG EMISSIONS BY 2050



Problem/context

- **Tools and methods** for the EU **Farm to Fork** strategy
- Global refrigerated fleet accounts for nearly **25% of the total cold chain emissions**
- **Emission sources** are traction, refrigeration energy and **refrigerant leakages**

Outputs

- **R744 unit** designed, built, installed, and measured
- Dynamic **modelling** at different European climatic conditions and operations

Success story highlights

- **Natural refrigerant (R744)** for last mile delivery is **possible and efficient**



Impacts

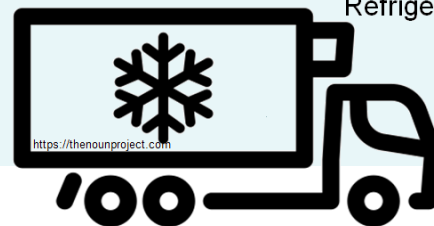
- **Cutting of GHG and other pollutants emissions** theoretically **demonstrated**:
 - **15% reduction in energy consumption** of the cooling unit during last mile delivery
 - **30% reduction in GHG emissions** in the unit's entire life cycle

Lessons

- **Complexity of boundaries and strictness of regulation**
- **Interaction with stakeholders** necessary
- **Dissemination and awareness raising** about impact



Insulated box



Traction

Refrigerating unit

Practice and Logistic



Q&A

- Raise your hands to ask



Communications update

Anthony Santiago, GDSO



Latest reports, articles and newsletter and outputs you may have missed...

Articles:

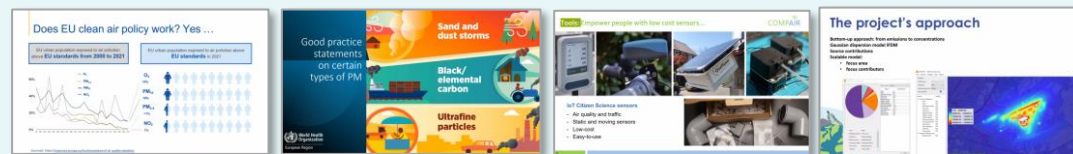


[Reducing food waste for a sustainable future](#)



[How innovation in ports and airports is helping to tackle European climate goals](#)

Webinar:



Demonstrating the circular economy in Europe's regions

Clean energy working group projects

Articles:



[Paving the way for clean and affordable energy sources in Africa](#)



[Europe's pioneering Green Deal research projects powering the hydrogen revolution](#)

Report:



[Clean energy and digitalisation as a key enabler for Horizon 2020 Green Deal call projects](#)

Video:



[Community and bottom-up transitions in energy and climate change adaptation](#)



Success stories:




Research and Innovation

Home | About | Working Groups | Projects | Resources | Success stories | Back | News | Contacts

Home > ... > Research and Innovation for the European Green Deal > Green Deal Projects Support Office > All success stories


All success stories

Presenting SDG data visually to enable climate resilient regions




ARSINOE has developed and released a knowledge graph that enables users to track SDG targets as well as national and regional indicators in one holistic approach. Having demonstrated its functionality, it is now being further developed for easy access by scientists and policymakers.

Supporting decarbonisation through local SECAPs and SDGs




Project LOCALISED introduced a set of potential indicators for assessing risk and vulnerability to Climate Change, with both Sustainable Development Goals (SDGs) and Sustainable Energy and Climate Action Plans (SECAPs) taken into account. This will enable the identification of opportunities for assessing the stand-alone contribution for decarbonisation and comparison.

Climate change information and mitigation services platform




CityCLIM has achieved major technological strides to provide near real-time extreme weather forecast warnings and to produce impact maps for mitigation scenarios. The progress made so far means the project is on track to produce the CityCLIM platform for city administration and citizens.

Merging arts and science to increase public engagement




The WaterLANDS project showcased exhibiting art to be an integral part of its core objectives of water restoration. The call for artists exceeded expectations and resulted in a high level of engagement. The message from the success story demonstrates a need for similar collaborations to help raise awareness of other projects.

Combating forest fires through technological innovation



To reach the success of the implementation of the two pilot fire and technology demonstrators, SILVANUS has actively collected valuable data for its platform to combat forest fires, but it has also raised awareness of the activities through a coordinated promotional campaign.

Transformative changes for large-scale forest restoration



The SUPERB project restored the native beech forest, conserved moorland heath species and created space for natural regeneration and planting of saplings. A gradual approach to closing the competitive tree species in the way guarantees fire-tolerant and habitat-forming species.

Filter stories

Working group:
Climate change and biodiversity

Project name:
- Any -

Find Reset



- [View online](#) and please share them with your contacts: email, newsletters, website, social media (hashtag #EUGreenDeal)




European Commission

GREEN DEAL PROJECTS SUCCESS STORIES

CLIMATE CHANGE & BIODIVERSITY WORKING GROUP

COMBATTING FOREST FIRES THROUGH TECHNOLOGICAL INNOVATION

October 2021


SILVANUS project

Through the successful implementation of its two pilot sites and technology demonstrations, SILVANUS does not only generate valuable data for its platform to combat forest fires, but it has also raised awareness of its activities through a concerted promotional campaign.

#EUGreenDeal

ABOUT THE SILVANUS PROJECT

The SILVANUS project brings together a large consortium of interdisciplinary experts from four continents to combat the threat of forest fires. Its integrated technological and information platform offers a new technological solution to improve the preparedness and prevention of wildfire ignition as well as improving forest resilience against climate change.

The project has been divided across three phases:

- 1) prevention and preparedness
- 2) detection and response and
- 3) restoration and adaptation

The components of the SILVANUS platform will be tested in 12 pilots across 11 countries, which along with EU Member States include Brazil, Indonesia and Australia.

DESCRIPTION OF SUCCESS

The key output of SILVANUS project is the release of a climate resilient forest management platform to prevent and suppress forest fires. Two pilots in Croatia and Slovakia have taken place to trial the platform.

These were accompanied by an all-encompassing stakeholder engagement programme, in the form of online and on-site promotional and educational campaigns, promoting the key messages of SILVANUS in the fight against extreme wildfire.

Watch the video





GREEN DEAL PROJECTS
SUCCESS STORIES

CLEAN ENERGY WORKING GROUP

REVOLUTIONISING RENEWABLE
ENERGY SUPPLY

October 2021

Bio-FlexGen project

As both biomass and hydrogen are essential for the energy transition, Bio-FlexGen is leading an exciting trial that is part of a circular utilisation of biomass and hydrogen is used in the safest possible way.

The project is making a real difference—those working on it are seeing how their input is contributing to a faster energy transition and towards a better future.

#EUGreenDeal

ABOUT BIO-FLEXGEN

Bio-FlexGen is developing a combined heat and power plant (CHP) with hourly, daily and seasonal flexibility through hydrogen production from biomass. This includes the flexibility to switch from CHP mode in winter to hydrogen production when needed. Biomass also provides firm power and complements renewable sources such as wind and solar energy.

Bio-FlexGen aims to reach 50% electrical efficiency from biomass by the year 2030.

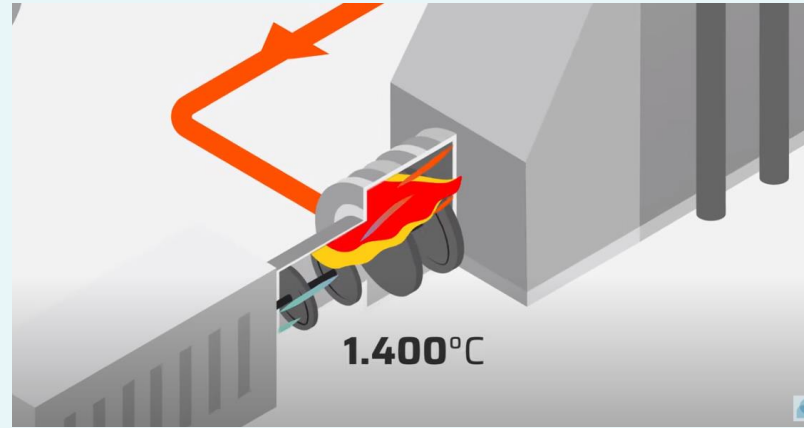
DESCRIPTION OF SUCCESS

The CHP the project is developing will have three unique, patented features: a high-pressure gasifier, a novel combustion chamber that generates temperatures up to 1400 °Celsius, and a highly efficient Biomass-fired Top Cycle (BTC) gas turbine technology.

The BTC plant can convert forestry and agriculture waste to electricity at double the efficiency of conventional steam cycle technologies. It achieves this by gasifying biomass with a high-pressure gas turbine process and massive steam injection.

The BTC plant guarantees energy flexibility and a robust system through the production of electricity from renewable biomass or from green hydrogen. In addition, the plant can switch from producing electricity to producing hydrogen when there are long periods of excess electricity.

Research and Innovation



Sign up for the quarterly newsletter on the [GDSO website](#)



Green Deal Projects Support Office

Supporting the positive long-term impact of the **Horizon 2020 Green Deal Projects**

Follow us  

Welcome to the urban environment issue of the newsletter

In this edition we spotlight updates from four projects in the Urban Environment and Mobility Working Group, which are working on improving the sustainability of the built environment: ARV, NetZeroCities, oPEN Lab and PROBONO.

These projects focus on the green transition at the urban and local level, investigating energy and resource efficiency, exploring sustainable solutions and supporting cities in putting their climate ambitions into action. We'll take a look at their latest outputs as they work towards this goal, and get a view of wider updates from the other Green Deal-funded projects.

Enjoy the read and if you like the content, share it with your network.

Urban environment projects' updates

Engaging local communities

Successfully engaging communities can be a significantly challenging activity. Sustainable urban energy is not just about the performance of buildings but also making room for social activities at the community level, and cooperating with different stakeholders, users, and developers.

In this update from the ARV project, the key learnings have been distilled from a joint event delivered at #EURegionWeek 2023 by ARV, oPEN Lab and other EU-funded projects.



Policy publications on Positive Energy Neighbourhoods

oPEN Lab has produced a policy brief and a policy paper on sustainable urban development through Positive Energy Neighbourhoods (PENs).

These publications delve into climate-neutral communities and offer insights into cost-effective decarbonisation of EU buildings.

[more](#)



Handbook on capacity-building using living labs

Living labs are real-world environments where research and experimentation take place in an open and collaborative manner. They help to ensure that the solutions developed are practical, user-friendly, and address real-world needs.

oPEN Labs has shared a Capacity-Building Handbook as a practical guide to setting up living labs in the context of PENs, which may be of interest to other research projects.

[more](#)

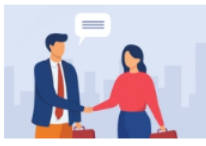


Sharing learnings through twin cities

In September, the first cohort of 40 cities were selected to join the NetZeroCities Twinning Learning Programme. They embarked on an important journey of shared learning, best practices, and much more in order to replicate new approaches to climate neutrality.

The next Call for Twin Cities is due to open in early spring 2024.

[more](#)



January: Urban Environment edition:

- Engaging local communities
- Policy publications on Positive Energy Neighbourhoods
- Handbook on capacity-building using living labs
- Sharing learnings through twin cities
- Smart charging as an enabler of Green Building Neighbourhoods (GBNs)

Newsletter update and peer to peer opportunities

Matthew Collings, GDSO



Network of Multipliers newsletter

- **First edition released January**
- **Released quarterly**
- **Easy way to keep up to date on the Green Deal Call projects**
- **Opportunity to share these updates on social media**

Green Deal Call – Network of multipliers newsletter launched

We have recently launched a new quarterly newsletter, showcasing the incredible initiatives funded under the Green Deal Call. By subscribing to the Green Deal Call newsletter, you will be amongst the first to hear about the latest updates, insights, and opportunities to engage with the 73 pioneering projects that have received funding under the Green Deal Call.

Here's what you can look forward to:

- **Comprehensive project updates:** Stay informed about the latest developments, breakthroughs, and achievements from these initiatives.
- **Event highlights:** Get updates on upcoming events, conferences, and workshops where you can learn more about their work and impacts.
- **Networking opportunities:** Discover chances to engage with the projects and collaborate on innovative solutions for a greener future.



[Subscribe](#) to the Network of Multipliers, and share this link with your contacts, to receive the Green Deal Projects Support Office quarterly newsletter and receive invites to all events.



Network of Multipliers newsletter

- 4 to 5 news articles:
 - Up to date information on upcoming events etc.
 - Web articles
 - Success stories
 - Networking opportunities
 - Recent events and webinars and the recordings

New article: Reducing food waste for a sustainable future

In this recent article from the Green Deal, we explore the EU's commitment to reducing food waste and the innovative projects that are leading the way to support food waste prevention, reduction and valorisation.

Read about their examples of working with the supply chain, upcycling, recycling, community engagement, and improvements to packaging.

[Read the full article](#) to understand the policies, projects and actions being taken to bring about a sustainable and resource-efficient food system within the European Union.



You can get a full list of Green Deal resources on the European Commission website. [Learn more here.](#)



Network of Multipliers newsletter

- Accompanying social media content

Suggested Social Media Posts #5



Over 58M tonnes of food waste are generated in the EU each year. Food waste has a huge economic, social and environmental impact.

Find out how the EU is tackling this challenge and the actions being taken by several of the #EUGreenDeal-funded projects: <https://ec.europa.eu/research-and-innovation/en/strategy/strategy-2020-2024/environment-and-climate/european-green-deal/green-deal-projects-support/green-deal-resources/reducing-food-waste-sustainable-future>



Peer-to-peer networking opportunities

- Stay ahead on collaboration opportunities with peer-to-peer networking with Green Deal projects
- Directly engage with teams driving Green Deal initiatives
- October 2023 session with Urban Environment and Mobility Working Group featured DG ENER providing policy framework insights
- Projects shared experiences and discussed future plans
- All sorts of stakeholders are welcome
- Another networking session is planned in early 2024 with Energy Working Group projects
- **Please get in touch at greendealprojects.SS@ricardo.com if you would like to get involved and suggest discussion / collaboration topics**



Close, feedback and next steps

Beatriz Mayor, GDSO



Feedback

<https://survey.alchemer.eu/s3/90673357/GD-SO-4th-Network-of-Multipliers-meeting-feedback>



Here's to a wide and active network!

Contact us at: support@greendealprojects.eu



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