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Deliverable D5.3

*Second update of the
Communications, Dissemination and
Exploitation (CDE) Plan*

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<i>R</i>	Document, Report	☒
<i>DEM</i>	Demonstrator, Pilot, Prototype	☐
<i>DEC</i>	Websites, Patent Fillings, Videos, etc	☐
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1. Executive summary

The second update of the AgriLoop Communication, Dissemination, and Exploitation (CDE) plan (Deliverable 5.3) covers the project period from Month 18 to Month 36 (1st June 2024 to 30th November 2025). This period marks a successful and planned transition from the foundational work—establishing communications channels, assets and processes—to impactful, results-driven delivery. During this period, efforts have centred on disseminating preliminary technical results, scaling up audience engagement, and formally initiating the exploitation pathway for scientific results. This development has delivered measurable progress across all CDE objectives, with the communication focus now shifting decisively toward real-world impact and tangible outcomes in the final phase - prioritising direct engagement with end users, farmers, industry adopters, and policymakers to ensure technology uptake and lasting influence.

The collaboration between European Union and Chinese partners within Work Package 5 (WP5) has also matured into a productive alliance. This was particularly demonstrated by the delivery of AgriLoop's Stakeholder Conference held in Beijing in April 2025, which convened approximately 150 high-level participants from national government bodies, industry, and academia across both regions, creating an effective platform for technology exchange and strategic dialogue.

Formal exploitation monitoring, initiated at Month 30 (May 2025), has successfully identified ten specific exploitable results - products and processes now undergoing rigorous protection assessment, including Material Transfer Agreements and patent opportunity evaluations. This is an important milestone in translating scientific outputs into commercial and public value.

Strategic refinements to communication activities have improved project visibility and audience engagement. The targeted reduction in Practice Abstract volume has enhanced quality and focus, while the introduction of a public-facing blog will optimise digital outreach, broadened appeal to non-specialist audiences, and strengthen Search Engine Optimisation (SEO) performance. These adjustments demonstrate the CDE strategy's flexibility in improving outcomes by responding to shifting circumstances.

The final project phase (Months 36–48) will focus on maximizing real-world adoption and policy influence. We'll intensify engagement with end-users—especially farmers and industry adopters—while driving high-level policy impact. This means distributing targeted Policy Briefs and submitting the AgriLoop Consensus paper (in late 2025/early 2026). To reach broader, more general audiences beyond specialist stakeholders, we will significantly boost media engagement, communicating project outcomes through mainstream channels. This comprehensive push is designed to guarantee technology uptake, regulatory buy-in, and promote a sustained legacy once the project concludes.

2. Changes to the strategy

The objectives of the strategy remain the same, namely to:

- Maximise exploitation of project results.
- Promote the reputation of project funders and partners.
- Support EU and national policy aims regarding on green agenda and sustainable bioeconomy.
- Enhance the transition to a sustainable, inclusive, circular bioeconomy.

However, to optimise impact and resource allocation, the project has implemented strategic adjustments across its core dissemination and communication activities. This section details a shift in the Practice Abstract target and refinements to the digital strategy.

2.1 Strategic reduction in practice abstract target

A key modification involves the strategic reduction of the total number of planned Practice Abstracts from 40 to 20 (EU target) in agreement with the EC Project Officer and the coordination team. The revised target enables the consortium to focus its resources on delivering a portfolio of 20 high-quality, impactful, and easily digestible best practice guides. This ensures that the final dissemination materials are relevant to end-users (farmers, industry, policymakers). Currently, three Practice Abstracts have been delivered in the first batch (D5.8), and 13 were delivered for the second batch in M36 (D5.9), maintaining good progress toward the final target of 20.

2.2 Digital strategy refinement

To proactively address the challenge of reaching a wider public audience and to maximise the use of the project's digital assets, a new approach was implemented, aimed at boosting both website traffic and social media engagement.

The project website now benefits from a blog section, designed to translate complex research into short, simple text, complemented by visual content. The blog aims to increase awareness of the project's main aims and outcomes among non-specialist audiences (see 4.2.1).

In response to changes in the social media landscape and to increase effective stakeholder engagement, we have altered our platform prioritisation, with more emphasis on LinkedIn and less on X (formerly Twitter) and YouTube (see 4.2.2).

2.3 Media outreach KPI

Given the diversification of mainstream media channels, which now includes high-reach video and broadcast media in addition to traditional print, the wording of the initial target should be revised to reflect this. Changing the metric from ">20 articles" to ">20 items of media coverage" (across print, broadcast and other channels) will more accurately reflect the project's outreach achievements and scope of influence.

3. Tools to coordinate and monitor project dissemination

Project partners track their activities using three logs on SharePoint (annex 1): one for dissemination, one for communication, and one for scientific publications. These logs capture data from the reporting period and other useful metrics. Overall, they've been effective at recording activities and ensuring partners follow the communication clearance process. Regular reminders to keep the log updated are sent and the logs are discussed at project meetings to support partners in maintaining up-to-date records.

Website visitors are monitored through Matomo, an online analytics platform set up by Barre d'Espace, which tracks website analytics and provides monthly reports. Social media following is tracked through combination of individual platform analytics and Hootsuite to assess reach, engagement, and audience growth. (See annex 2).

4. Communication and dissemination activities

4.1 Branding and visual identity

The AgriLoop brand identity was established in the first 18 months of the project. Between M18-36, it has undergone further development and been consistently implemented across a diverse range of communication materials. The visual identity has been translated into bold and professional-looking content for social media campaigns, the project website, technical reports, dissemination literature, and promotional flyers (see annex 3). This expanded application ensured a strong, recognisable presence across all communication channels.

An important change occurred during this period regarding logo requirements. The National Key Research and Development Program of China (NKRDPC) logo was replaced with the Ministry of Science and Technology (MOST) of the People's Republic of China logo. The WP5 team promptly updated assets to reflect this change, revised the funding acknowledgment wording accordingly, and communicated these updates frequently to all project partners to ensure proper use and maintain consistency across all materials.

4.2 Project channels

4.2.1 Website

The AgriLoop website (<https://www.agriloop-project.eu/>) has continued its central role as the primary digital hub for the project, serving multiple stakeholder audiences, and providing a comprehensive source of project information. It clearly communicates the project's aims, documents its impact and outcomes, and provides public access to deliverables. It hosts recorded content from webinars and events, ensuring knowledge sharing is accessible beyond the original activity, and features regular news updates and project stories that bring the research to life for a range of audiences.



A significant addition during this period was the launch of a dedicated blog section. This was incorporated to enhance SEO performance, broaden engagement with general audiences, and translate complex project achievements into accessible, engaging content that highlights tangible impact. Blog posts will be intentionally kept simple, written for non-specialist readers to increase the website's natural reach and promote the project to wider audiences extending the project's influence beyond academic and industry circles. The first blog has been published (see annex 4), and the objective is to have at least one blog post per month until the end of the project, starting January 2026. A content plan based on target audiences, deliverables and project outcomes is currently in development and we will collaborate with the Young Researchers' Group (YRG) and Communications sub-group to develop this content.

During the M18-M36 period, the website achieved excellent engagement metrics, significantly exceeding targets. The site attracted 7,401 visitors during M18-M36, exceeding the target of 2,000 per annum and demonstrating strong interest in the project's work. Visitors spent an average of 2 minutes and 34 seconds on the site, indicating meaningful engagement with the content, while generating 13,616 pageviews across the reporting period. The website has wide geographic reach with top visiting traffic from: France, Spain, China, Germany, Italy, India, Belgium, Portugal, and the Netherlands. Additionally, 47% of visitors arrived through search engines, demonstrating strong organic visibility on Google and effective search engine optimisation.

4.2.2 Social media

During the period of this report, our social media strategy has adapted, with the emphasis shifting away from X (formerly Twitter) to focus on professional networking platforms, specifically LinkedIn, where targeted audience building and direct engagement are more effective.

We took the decision to reduce the use of X (formally Twitter) due to the platform's consistently low engagement rates and the migration of professional and research-focused entities away from this platform. By focusing resources on LinkedIn, AgriLoop has targeted a more relevant, professional, and engaged audience, thereby maximising the impact of our social media efforts.

The LinkedIn page has achieved consistent organic audience growth over the last 18 months, successfully adding 407 new followers. This brings the total follower count to 875. Over the last year, LinkedIn posts have achieved an impressive average engagement rate of 21.57% across 32K impressions and the page has reached over 16,600 connections. Content analysis shows that posts related to project milestones, collaborative events, and academic achievements are the most effective.

The China Peanut WeChat account had achieved a remarkable 4,000+ followers from academic, industrial, and farming communities by October 2025. Since the project's launch by the Chinese side, there have been 10 related updates posted through the



China Peanut account, with each post achieving an average of 1,000 views, showing extensive reach and positive engagement.

The project's presence on YouTube is now used as a video hosting platform and as a resource archive, rather than as a primary audience-building channel. Despite minimal promotional effort, the platform has organically attracted 23 subscribers and achieved 750 video views across 14 posted videos, demonstrating a positive level of interest in the project's visual content.

Due to the evolving nature of social media, we are maintaining an active review of available channels, continuously assessing emerging platforms that may offer new, high-potential options for reaching and interacting with our specific scientific, agricultural and industry audiences in the future.

4.2.3 Partner engagement and advocacy

Internal communication efforts are being refined to ensure sustained momentum. The Communications Subgroup was established as a mechanism to feed information on project news, events and results to WP5. However, engagement within the group declined towards the end of this reporting period. To revive the group, we plan to use the energy, digital fluency and fresh perspectives of the Young Researcher's Group, who have demonstrated a good level of engagement towards communication and dissemination, including running an internal dissemination and publication group. Their involvement should help redefine the group's purpose and clarify member roles, creating a more effective two-way dialogue channel between WP5 and project partners.

Additionally, to enhance project visibility and increase localised media reach to meet communications KPIs, the coordination team is developing a formal directory of communication officers from key partner organisations. These communication professionals are potentially the project's best contacts for understanding and navigating a country's media landscape, helping us reach outlets that might be otherwise inaccessible. Once these contacts have been established, we will work with them to share existing news releases, develop localised content, and promote events through their pre-existing channels (website, social media, newsletters etc) and media contacts where possible.

Partners are invited to share their communication activities during monthly meetings, and WP5 members are conducting event monitoring to suggest localised events to partners, with internal updates being continuously shared through established meetings and emails.

4.3 Communication and dissemination materials

During the M18-M36 reporting period, the consortium developed a range of communication and dissemination materials designed to ensure a professional and consistent visual identity, translate complex research into accessible narratives, and engage diverse stakeholders. These include:

- Project blog post: A detailed blog post was produced, focusing on translating complex research findings into accessible narratives for a broader audience.
- Webinar content: Materials and video content from various webinars were recorded and uploaded to the project website, providing on-demand access for continuous learning and knowledge transfer.
- Interactive educational tool: Development of the USC Game Cards on biorefinery planning was advanced. Discussions are ongoing regarding printing and practical use for school outreach and public engagement activities.
- Conference materials: Branded templates were created and used by the consortium for conference presentations and posters, ensuring a consistent and professional look.
- Social media content: Targeted social media content was developed, including speaker spotlights for the major stakeholder event in China and promotional posts for training events and webinars.
- China event materials: specific materials for the Beijing conference were produced, including a meeting agenda, printed materials, and a banner, all professionally translated into Chinese.
- Professional templates: Branded, eye-catching, and easily digestible templates were designed for the Policy Brief and Practice Abstracts to ensure a strong presence.
- Event leaflets and flyers: Leaflets and flyers have been created for events, maintaining the integrity of the brand across partner communications.

These materials have been distributed across multiple channels, including the project website, social media platforms, training events, and public engagement activities. Branded templates for presentations are also readily available to the consortium via the SharePoint platform.

4.4 Publications

4.4.1 Scientific publications

The project's scientific output has accelerated since June 2024, moving from basic studies to delivering applied solutions for turning agricultural byproducts into valuable products. This has been evidenced through an uplift in submitted and published articles in scientific literature, covering core technology development and process and systems development.

From an EU perspective, 11 (4 in RP1) articles have been produced against a target of 30. On the Chinese side, 6 have been published against a target of 20-25. Currently, 35 additional articles are actively being prepared by partners. When these are considered alongside those already submitted, AgriLoop is in a strong position to meet its dissemination targets for publications. The project maintains excellent quality and access, with all submissions being peer-reviewed and over 90% of all papers being open access (100% for EU-produced papers).

Chinese and EU researchers have collaborated on 1 scientific article (target 8-10) published in the *Journal of Agricultural and Food Chemistry* (<https://doi.org/10.1021/acs.jafc.5c02123>). However, this article was flagged as being 'Not

Open Access' and while its acknowledgments mention the Chinese project number, it does not mention AgriLoop. As Open Access is a mandatory EU grant requirement, this issue necessitates immediate review to ensure future co-authored papers adhere to defined obligations and clearance procedures.

Table: Scientific publications in M18-36

Authors	Title	Journal/equivalent	Publication date
Claudia Magonara, Elvis Montagnese, Davide Bertasini, Claudia Vona, Gaia Salvatori, Lionel Nguemna Tayou, Marianna Villano, Federico Battista, Nicola Frison, David Bolzonella, Giovanna Pesante	Mixed-culture polyhydroxyalkanoate production with variable hydroxy valerate content from agri-food residues	Environmental Science and Pollution Research (Springer Nature) https://doi.org/10.1007/s11356-025-36316-4	16-04-2025
Maksim Koptelov, Jan Linck, Pierre Bisquert, Patrice Buche, Mathieu Roche	AgriCode: Automated coding for qualitative research and its application to the valorization of agricultural residues	SoftwareX (Elsevier) https://doi.org/10.1016/j.softx.2025.102258	31-07-2025
Lucas Van der Hauwaert, Alberte Regueira, Edwin Zondervan, Miguel Mauricio-Iglesias	Uncovering optimal biorefinery designs for agricultural waste: Insights from superstructure optimization under uncertainty	Journal of Environmental Management (Elsevier) https://doi.org/10.1016/j.jenvman.2025.127551	01-08-2025
Gang Li, Longling Zuo, Weihong Zhang, Yue Shi , Ke Xu ,Zhengyang Feng, Wei Wang, Xiaolong Yao	N-doped CNTs hierarchical structure anodes promote rapid adsorption and efficient electrochemical degradation...	(Elsevier Journal) https://doi.org/10.1016/j.seppur.2025.135754	2025 (Date N/A)
Wenxin Yu, Weihong Zhang, Kuan Wan, Xinyue Liang, Chun Wang, Qingwei Bu, Xiaolong Yao a	Nitrogen-doped carbon nanotubes enhance microbial electrolysis cell for the degradation of mixed VOCs...	BIORESOURCE TECHNOLOGY https://doi.org/10.1016/j.bior tech.2025.133563	2025 (Date N/A)
Stefania Monari, Maura Ferri, Alessandro Zappi, Rita Escórcio, Vanessa G. Correia, André Cairrão, Artur Bento, Cristina Silva Pereira & Annalisa Tassoni	Bio accessibility and Biological Activities of Phytochemicals from Wild Plant Infusions and Decoctions...	Plant Foods for Human Nutrition (Springer) https://doi.org/10.1007/s11130-025-01327-6	25-02-2025
Sergio Salgado, Natalia Hernández-Herreros, M. Auxiliadora Prieto	Controlling the expression of heterologous genes in <i>Bdellovibrio bacteriovorus</i> using synthetic biology strategies	Microbial Biotechnology (Wiley) https://doi.org/10.1111/1751-7915.14517	27-06-2024

Chen, Y., Liu, Y., Meng, Y., Jiang, Y., Zhang, X., Liu, H., Reis, M. A. M., Qi, Q., Yang, C., & Liu, R.	Systems Metabolic Engineering of Genome-Reduced <i>Pseudomonas putida</i> for Efficient Production of Polyhydroxyalkanoate...	American Chemical Society https://doi.org/10.1021/acs.jafc.5c02123	15-05-2025
Kedong Ma, Guo Li, Yubo Cui, Jie Li, Mingxiong He, Zhiyong Ruan	Green pretreatment of <i>Xanthoceras sorbifolia</i> Bunge husks... for the co-production of functional xylo-oligosaccharides and glucose	(Elsevier Journal) https://doi.org/10.1016/j.indcrop.2024.120277	10-12-2024
Liu Y, Jiang Y, Meng Y, Xiong W, Yuan Z, Liu R, Yang C.	Creating a multifunctional degrader for co-mineralization of p-nitrophenol and 1,2-dichloroethane...	(Elsevier Journal) https://doi.org/10.1016/j.jhazmat.2025.137417	25-02- 2025
Liu Y, Xiong W, Jiang Y, Meng Y, Zhao W, Yang C, Liu R.	Creating a Halotolerant Degradar for Efficient Mineralization of p-Nitrophenol-Substituted Organophosphorus Pesticides in High-Saline Wastewater	(Wiley Journal) https://doi.org/10.1002/bit.28923	16-01-2025
Paul Sauvetes, Mias Sommer Schjønberg, Morten Birkved, Nathalie Gontard, Chahinez Aouf	One-step biphasic NADES extraction of phenolics and carotenoids from tomato peels with integrated life cycle assessment	Separation and Purification Technology https://doi.org/10.1016/j.seppur.2025.135865	12-11-2025
Hadis Marami, Sahar Khademi, Shahin Rafiee, Hossein Mobli, Morten Birkved, He Li, Irini Angelidaki, Benyamin Khoshnevisan	Upcycling anaerobic digestion streams into feed-grade protein for increased environmental sustainability	Renewable and Sustainable Energy Reviews https://doi.org/10.4018/IJAEIS.393045	25-03-2025
Pierre Bisquert, Abdelraouf Hecham, Patrice Buche, Maksim Koptelov	Justified Preference Aggregation in Agri-Food Systems: An Approach, Argumentation Methods, and Tools	IGI Global https://doi.org/10.4018/IJAEIS.393045	18-11-2025
Stefania Monari, Maura Ferri, Alessandro Zappi, Rita Escórcio, Vanessa G. Correia, André Cairrão, Artur Bento, Cristina Silva Pereira & Annalisa Tassoni	Bio accessibility and Biological Activities of Phytochemicals from Wild Plant Infusions and Decoctions Before and After Simulated In Vitro Digestion	https://doi.org/10.1007/s11130-025-01327-6	25-02-2025
Sergio Salgado, Natalia Hernández-Herreros, M. Auxiliadora Prieto	Controlling the expression of heterologous genes in <i>Bdellovibrio bacteriovorus</i> using synthetic biology strategies	https://doi.org/10.1111/1751-7915.14517	27-06-2024
Andrea Penedo, Jeppe Yndgaard, Lucas Van der Hauwaert, Miguel Mauricio-Iglesias,	Pathway Development for Brewer's Spent Grain Valorization Using Multi-Objective Optimization	Preprint submitted to Waste Management https://dx.doi.org/10.2139/ssrn.5571663	Not published yet

Almudena Hospido, Massimiliano Errico			
Lucas Van der Hauwaert, Mias Sommer Schjønberg, Alberte Regueira Lopez, Miguel Mauricio-Iglesias	Designing Sustainable Biorefineries for Agricultural Waste: An Environmental-Economic Optimization of Tomato Pomace	Preprint submitted to Waste Management https://dx.doi.org/10.2139/ssrn.5277124	Not published yet

To maximise the visibility and utility of this research, a strategy for dissemination has been implemented with all scientific articles summarised and linked to from the project website, as well as (where appropriate) content developed into best practices and blog articles and distributed through the project's communications channels.

4.4.2 Practice abstracts

The publication of AgriLoop Practice Abstracts (PAs) aims to enhance the practical impact of project findings by translating complex scientific and technical results into easily digestible and actionable recommendations for key stakeholders, including farmers, industry professionals, and the wider research community. It helps ensure that the knowledge generated is made accessible and ready for immediate application.

To ensure consistency and high quality, as well as increase readability and the ease of information extraction for end-users, WP5 implemented a standardised approach which organises PA content into three distinct sections: Introduction; project activity; and key findings and recommendations. Partners were assisted to use this approach by provision of a comprehensive guide, a clear template, and practical examples from AgriLoop and other EU projects (see annex 5).

The first batch of three abstracts (D5.8) have already been published and disseminated via the project website and the EU CAP Network (formerly EIP-AGRI portal). They will be further disseminated through distribution at future training workshops and other project events including the final stakeholder event in 2026. A second batch of 13 PAs (D5.9) have also been produced and will be ready for dissemination once approved following the reporting period 2 (RP2) review. They demonstrate the technical feasibility of several biorefinery concepts and processes, driving them closer to industrial readiness and providing clear opportunities for future exploitation.

Table: Second batch of Practice Abstracts produced at M36 (D5.9)

Title	Contributors
Extraction efficiency of polyphenols from peanut red skin	Aimin Shi (IFST-CAAS), Hui Hu (IFST-CAAS)
Valorization of wet apple pomace for pectin extraction	Xin Jin (IFST-CAAS)
Best practices in the production of tomato pomace, peels and seed for valorization purposes	TomaPaint
Production efficiency and functional characteristics of dietary fiber and peptides from potato processing waste	Mengmei Ma (IFST-CAAS)
Turning agricultural anaerobic digesters into multiproduct biorefineries	David Bolzonella (University of Verona)
A novel, low-cost, continuous process for producing PHA using agricultural wastes as a substrate for mixed microbial cultures	Mariana Villano, Lionel Nguemna Tayou, Flavia Marzulli, Gaia Salvatori, Claudia Vona (Sapienza University of Rome)
Valorization of grey starch from the potato processing industry	Korneel Rabaey (UGent)
Developing agro-residue biocomposites to meet the needs of farmers	Tatiana Coutand (University of Montpellier)
Economic and life cycle evaluation of the peanut supply chain in North China	Gang Li (BTBU)
Metabolic engineering of <i>Pseudomonas putida</i> for efficient production of PHA from lignin derivatives	Chao Yang (Key Laboratory of Molecular Microbiology and Technology for Ministry of Education)
Digital carbon emission accounting and economic evaluation for effective agricultural waste management	XiaoLong Yao (BTBU)
Bioplastics production with the bacterium <i>Halomonas cupida</i> J9	Chao Yang (Key Laboratory of Molecular Microbiology and Technology for Ministry of Education)
Technologies for anaerobic fermentation of organic residues	Mingxiong He (BIOMA)

4.4.3 Policy briefs

AgriLoop Policy Briefs aim to distil relevant project findings into evidence-based policy advice to help readers make informed decisions with an emphasis on opportunities associated with Green Deal policies, the EU Bioeconomy Strategy, the Farm-to-Fork Strategy and the EU-China Food, Agriculture and Biotechnology (FAB) flagship initiative.

One policy brief has been developed to date (D5.5) against a target of two (annex 6). This brief, entitled ‘Understanding agricultural residue availability, management, and sustainable use’ was submitted alongside the thematic areas below to the recent public consultation on the EU Bioeconomy strategy, ensuring early input of project findings into relevant policy discussions. Additionally, once the deliverable is approved it will be further disseminated via the project website, and through policy-related outreach and events

During the development of the first policy brief ten priority areas were identified (outlined in the table below).

Thematic area	Key focus and progress
Residue management	Availability, storage, and environmental sustainability (addressed in WP1, D1.4, D1.7).
Farmers’ role	Financial incentives, guidance on management, and support for certified biodegradable products (addressed in WP1 & WP4, involving end-user needs).
SMEs support	Financial, technical, and regulatory support for upscaling and innovation (initial upscaling tests in WP4).
Market adoption	Financial incentives and regulatory frameworks needed for alternative proteins and bioproducts (requires further policymaker involvement).
Regulatory framework	Need for a clear, robust framework to support bioeconomy innovation and the transposal of EU rules to regional contexts (requires further development within AgriLoop).
Collaboration	Essential engagement among farmers, industry, researchers, and policymakers (cross-sector collaboration ongoing; greater engagement needed in the final phase).
Environment/circularity	Ensuring valorization contributes to a true circular economy with minimal impact (main results in D1.7).
Financial/technical support	Creating incentives for waste valorization, supporting energy-efficient technologies, and facilitating market access.
Transparency/data	Ensuring policy decisions are based on real, transparent data (fostered by Data Management Plan D6.4/D6.1/D6.5).

Public awareness	Raising consumer awareness to increase demand for sustainable products (all WPs contribute; need official communication campaigns).
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These thematic areas have been further captured in a significant foundational policy document: AgriLoop Consensus on China-EU Priorities for High-Value Products from Agri-Food Residues (the AgriLoop Consensus – <https://www.agriloop-project.eu/wp-content/uploads/2025/11/AGRILoop-Consensus-Paper-final.pdf>). This has been jointly endorsed by all project partners, including Chinese and EU coordinators, WP leaders, and representatives from policy, industry, and academia.

It will be published on the AgriLoop website and submitted to relevant EU policymakers alongside a press release announcing the Consensus document. This activity is planned to coincide with the launch of the EU Bioeconomy Strategy in December 2025 to maximise its impact and reach. The Chinese version of the document has been finalised and is scheduled for submission to relevant Chinese policy-making sectors, such as the Ministry of Agriculture and Rural Affairs (MARA), in late 2025 or early 2026 to seek official support and recognition.

The recommendations contained within the AgriLoop Consensus document will form the substantive basis for the second official policy brief, due in the next reporting period.

The hosting of a policy-related side event alongside the delivery of the final project stakeholder event in November 2026 is being explored and this will be a further opportunity to disseminate the policy briefs.

4.5 Events and training

4.5.1 Training and webinar plan delivery

During the M18-M36 period, the project successfully implemented a total of 11 major events, comprising seven training events (TEs), three webinars, and the central Stakeholder Event in China.

The overall audience emphasis during this period was deliberately academia (5 TEs and 2 webinars focusing on complex scientific results). This prioritisation was deemed necessary as early-stage, high-level technical results benefit most from specialised dissemination within the scientific community. However, four events included wider audiences such as farmers, industry, schools and policymakers, namely: the stakeholder event in China; webinar 3; training event 6; and training event 9.

WP5 provided promotional support to event-hosting partners to maximise participation. This included utilising our established communication channels, specifically: adding event details and registration links to the project website; promoting on the project's LinkedIn page; announcing and discussing events in project meeting; coordinating promotional efforts through the Communications Subgroup

and Young Researchers' Group; and circulating details to external contacts such as the Rural Bioeconomy Alliance (RBA) for wider distribution.

Furthermore, WP5 produced promotional materials (such as flyers, social media graphics, and standardised text) to help partners with their own dissemination efforts, ensuring a consistent and professional message across all channels. For certain online events, WP5 also provided technical support by assisting with the Zoom webinar set-up and hosting, helping partners manage the technical aspects of the online delivery. This combined strategy has been important for attracting different audiences and maintaining a smooth and professional execution.

Table: Events carried out during the second reporting period

Action	Country	Event coordinator	Title	Date delivered	Number of participants
Webinar 3 EU	Netherlands	WR	Comprehensive data-driven decision support for valorisation of agricultural residues	13/02/2025	31 (including academia farmers, end users and policymakers)
Stakeholder Event	China	AGRILOOP	Innovation in high value products from agri-food residues	7-8 April 2025	150 (including academia, end users and policymakers)
Webinar 6 EU	Belgium	UGENT	Clean products from waste? Leveraging biotechnology to turn complex waste streams into high-purity products	19/05/2025	36 (including academia)
Training event 6 EU	Portugal	ITQB	Characterization of polyesters	28 May - 2 June/25	32 (including academia and schools)
Training event 3 CN	China	BTBU	Survey of agricultural waste resources	01/07/24	5 (academia)
Training event 7 EU	Spain	USC/FCAC	Tools and Methods for Biorefinery Design and Evaluation	3-4/07/2025	21 (academia)
Webinar 5 EU	Portugal	ITQB	Characterization of the extracts: Why does it matter in the circular biorefinery approach?	16/10/25	23 (academia)

Training event 5 EU - CN	Belgium / China	Ugent / IARRP-CAAS	Novel proteins from side streams for a more sustainable food system	23/10/2025	23 (academia)
Training event 1 EU	Denmark	SDU	Sustainable Assessment and Life Cycle Thinking Workshop	17-18/11/25	22 (academia)
Training event 8 CN	China	IARRP-CAAS	Fertilizers, biomaterials and energy conversion based on agricultural waste		35 (15 in person/20 online) (academia)
Training event 9 EU	France	ECOZEPT	Technical open day – Feedback on biodegradable mulch films	11/06/2025	(academia, end users, farmers and policy makers)

Materials used during the events are centrally available to all partners on SharePoint. Importantly, recorded video and webinar materials are being made available via the project website, and hosted on YouTube, serving as a valuable, high-quality public resource for ongoing reference and on-demand learning. The project continues to develop educational resources from these events, such as a biorefinery card game developed by the Universidade de Santiago de Compostela (USC), which is also available on the AgriLoop website. These materials not only support learning but also establish best practices for engaging general audiences and secondary education students with the complex topic of the bioeconomy.

Looking ahead, another 11 events are planned for the final reporting period—five webinars, four learning workshops, and two training events—which will ensure we deliver on the target of eight face to face training event, three workshops and 10 knowledge transfer webinars. Once results with higher technology readiness are available, future events will target a broader audience, including industry, farmers, end users, policymakers, and academia. To maximise impact and strengthen collaborations, many of the learning workshops will be jointly planned and delivered between EU and Chinese partners.

4.5.2 AgriLoop Innovation Conference in Beijing (April 7-8, 2025)

The most significant dissemination achievement during the reporting period was the hosting of the AgriLoop Innovation Conference in High-value Products from Agri-food Residues, held in Beijing, China, on April 7-8, 2025 (see annex 7). Co-organised by the Institute of Food Science and Technology, Chinese Academy of Agricultural Sciences (IFST-CAAS) and the French National Research Institute for Agriculture, Food and Environment (INRAE), this event served as a crucial platform for showcasing the AgriLoop project's progress at its midpoint.



With nearly 150 participants from over 30 global organisations, the conference achieved a high level of institutional engagement, drawing its target audience from the academia, industry, and policy-making sectors, including representatives from China's Ministry of Agriculture and Rural Affairs (MARA) and the embassies of France, Spain, and Italy in China. The event, which received funding support from the French Embassy in China, created a forum for high-level dialogue and face-to-face exchange on project outcomes and future strategy.

The conference also served as a platform for initiating the AgriLoop Consensus on China-EU priorities and an immediate outcome of the conference was the launch of the China-EU Joint Laboratory for High Value Biorefining and the recognition of five Chinese companies as demonstration bases for new technology testing.

In preparation for the conference, WP5 led the development of all necessary promotional and informational materials, including the conference agenda and registration details, in both English and Chinese to ensure maximum accessibility and participation from both regions. Regular posts were made on LinkedIn and other channels to draw attention to conference activities and achievements, building momentum in the lead-up to and during the event. WP5 was also actively involved in capturing the success of the conference, most notably by conducting interviews with key participants to capture the event's atmosphere and gather valuable testimonials for future promotional activities.

4.5.3 Young Researchers' Group (YRG)

The AgriLoop YRG has been established with the aim of helping to inspiring research careers at an early stage, part of the project's commitment to Responsible Research and Innovation (RRI) principles. The YRG has played an active role in supporting WP5 activities and successfully organised the AgriLoop Green Recycling Innovation Outreach Activity in Beijing, China on April 7, 2025. More than 20 university students from the EU and China participated, engaging in a range of interactive games relevant to the Project. This outreach activity successfully promoted the project's vision and results, using resources like USC's Biorefinery card game. Furthermore, it deepened the students' understanding of sustainable agriculture while creating more opportunities for exchanges and collaboration between young Chinese and EU researchers in green technology innovation.

The Stakeholder Event in China also provided a platform for YRG member, Lucas Van der Hauwaert, a PhD student from USC, to present his research on "OUTDOOR" and engage in exchanges with Chinese young researchers on programming design and bioprocess optimisation. This presentation not only facilitated the dissemination of research outcomes but also strengthened the connection of the China-EU collaborative network and innovative thinking.

4.5.4 Partner activities at external events

Partner efforts presenting the project at external events has been especially strong across scientific and public engagement since 1st June 2024, setting us on course to

meet established KPIs for poster presentations, policy outreach and public engagement.

As regards attendance at policy and high-level institutional events, the project attended the Conference on Circular Agriculture in Kunming, China, which specifically targeted international organisations focused on plastic pollution mitigation. Looking ahead, future policy-relevant outreach is planned at the European Biomass Conference and Exhibition (EUBCE 2025), and opportunities surrounding the Global Bioeconomy Summit (GBS 2026) in Dublin. Thus, we are on course to surpass our policy target through attendance at three external events, as well as having held our own event stakeholder event in Beijing, which was attended by policy makers (against a target of two).

Twelve public engagement events have been completed in this reporting period (see annex 8) taking opportunities from planned open events, festivals and the annual EU Researchers' Night. This exceeds the target for this KPI.

- Noite Europeia dos Investigadores (September 2024)
- MedNight european night of researchers 2024 & 2025
- Card game in Open Science Event (November 2024): This involved a tailored "Build your own biorefinery" card game, repeated in shifts.
- ITQB NOVA Open Day 2025 (March 2025): Attracted 2,000 visitors, focusing public attention on residue valorization.
- EXPO FCT Open Day (April 2025).
- Oeiras Valley Science Festival (May 2025): Highly impactful, using a large established event attracting 22,000+ visitors.
- European Researchers' Night in Montpellier, Oeiras and Lisbon 2024 & 2025
- National Encounter for Citizen Science, Oeiras, Nov 2025
- Montpellier Science Fest
- CRETUS open day, Spain (Nov 2025)

Our confirmed and scheduled activities at external scientific events comes to a total of approximately 31 presentation or poster slots at major international conferences and specialist meetings. The quality of these platforms has been consistently high, with participation in significant forums such as the European Symposium on Biopolymers (ESBP25) in Lisbon, the BIOTEC25 conference in Barcelona, and the IWA Resource Recovery conference (2025). This means that we are well-positioned to achieve the overall project target of 40 scientific presentations.

Two activities have targeted industrial partners and succeeded in generating direct commercial outcomes, making our progress in dedicated commercial and industry outreach (or Trade Shows) satisfactory against the overall project target of four events:

- **Presentation of AgriLoop in Galicia Biodays (December 2024):** This event was described as a "Forum of the biotechnology and life sciences industry in the European Atlantic Area" attracting 900 attendees. Participation at this event led to preliminary contact with a brewery company (Estrella Galicia) and a meat waste company (Sueve Biotech).

- **General dissemination Tech4Regen (October 2025):** This event specifically targeted Innovators, leading to 10 contacts with multinationals and start-ups.

The project has yet to attend any dedicated agricultural events (against a target of four). Direct engagement with the agricultural community will be priority in the project's final year. With key exploitable results and new products nearing completion, the final year of the project will see many high-value opportunities for engagement with this sector. Our focus will shift from general awareness- raising to presenting farmers with specific, tested, and commercially viable solutions at events such as EIMA International (Bologna), China International AgTech Exhibition (Shanghai), Agromek (Denmark), Agritech (Spain) and Salon International de l'Agriculture (France), maximising the chances for end-user adoption.

Furthermore, at Month 40, a dedicated plan will be developed to maximise uptake among all end-users, including farmers and agricultural businesses, ensuring this critical need for event targeting will be fully addressed within that strategic planning.

See Annex 8 for details of all communication and dissemination activity logged M18-36.

4.6 Working with the media

The project has secured a good level of media coverage during the second 18-month period, building on the eight articles published in the first 18 months and making steady progress toward overall media targets. This progress was marked by high-impact media collaborations and extensive international coverage.

4.6.1 European media engagement

Following a rigorous selection process based on best value for money and expert recommendation, the coordination team and WP5 collaborated with television presenter and science journalist Pierre Girard to produce a project video.

Pierre Girard is an established broadcaster on Arte TV with substantial reach across multiple platforms, including Instagram (21.3k followers), Facebook (7.4k followers), and an active YouTube channel focused on agriculture (40.4k subscribers, with the most popular episodes averaging 100k views). His extensive network spans audiences interested in science and agriculture, and his long-standing work with Arte has established strong visibility in Germany.

Fortuitously, the video's release coincided with the October 2025 publication of Pierre Girard's book, "Au rythme de la Terre" (unrelated to the project), which provided additional promotional momentum and attention during the video's launch period.

Objective and approach

The video aimed to raise awareness about the project among the general public, specifically targeting Pierre Girard's established audience, who are highly engaged across his social media platforms. The coordination team collaborated with Pierre to develop a general script, though as an independent journalist, he retained editorial

control. This approach ensured the content remained authentic and relatable to his community, a factor acknowledged in the video credits.

Results and engagement

Published on 23rd November 2025 on Pierre's YouTube channel (<https://www.youtube.com/watch?v=fIP1qdxD8ro&t=4s>), the French-language video was strategically designed to reach his predominantly French-speaking farming audience. However, people can access subtitles in their native language through YouTube. Within the first week, it achieved 20k+ views with a high level of engagement from farmers and journalists, including 822 positive reactions and 76 comments. Active comment moderation sparked constructive discussions, and several farmers expressed interest in testing the products, enabling direct dialogue with potential end-users.

4.6.2 Chinese mainstream media coverage

Chinese mainstream media, such as **China Daily**, **China Food News**, and **Farmer Daily**, covered the AgriLoop stakeholder event held in Beijing, China in April 2025. **Farmer Daily**, published by the Ministry of Agriculture and Rural Affairs China, featured a special report on the project's vision and outcomes, which was widely reposted by many Chinese universities and online platforms, significantly enhancing the project's visibility and impact.

At the local level, Chengdu Plus, the official platform of Chengdu Radio and Television, also interviewed the EU coordinator Prof. Nathalie Gontard, highlighting the importance of China-EU cooperation, with the video featuring the project's official Chinese name.

References:

- China Daily: <https://cn.chinadaily.com.cn/a/202504/14/WS67fccac8a310e29a7c4a8fe4.html>
- China Food News: <http://www.cnfood.cn/article?id=1910251065015635970>
- Farmer Daily: https://szb.farmer.com.cn/nmrb/html/2025/20250423/20250423_6/nmrb_20250423_12991_6_1914799584846123017.html

To further accelerate media engagement and capitalise on localised opportunities, the project plans to intensify contact with communications departments within partner universities and industry stakeholders, aiming to secure more tailored and locally relevant media placements.

4.7 Working with other initiatives and organisations

AgriLoop recognises the value of cross-project learning and collaboration within the EU and Chinese research landscape. As such, we have actively sought opportunities to invite coordinators and representatives from other initiatives with similar goals to

AgriLoop to participate in consortium meetings and as potential presenters for AgriLoop webinars when their expertise aligns with relevant topics. During Reporting Period 2 (RP2), the PHANTASTIC project (<https://phantastic-project.eu/>) was invited in August 2025 to introduce their work, meet AgriLoop partners, and establish the groundwork for future dialogue and cooperation.

The following examples further highlight AgriLoop's proactive engagement with external initiatives across Europe and China.

4.7.1 Rural Bioeconomy Alliance (RBA)

The project has joined the Rural Bioeconomy Alliance (RBA), a cluster of European-funded projects dedicated to accelerating and supporting the development of circular rural bioeconomy initiatives across the EU. AgriLoop attends regular RBA meetings to co-promote content and project successes.

This alliance has led to direct collaboration on a number of events, such as the RBA-organised EU Green Week 2025 partner event, **"Accelerating the circular bioeconomy: innovation for sustainable rural development,"** held on 11th June 2025. This collaborative online session presented cutting-edge solutions, best practices, and policy recommendations. The event provided a platform for AgriLoop, alongside other projects, to exchange knowledge, align strategies, and amplify their collective impact.

Furthermore, the RBA network resulted in an invitation for an AgriLoop partner to serve as guest speakers at the **BRILIAN Webinar #5: "Ensuring the Sustainability of the Bioeconomy,"** held on 30th May 30, 2025. This intensive two-hour session explored how to build resilient, inclusive, and environmentally sound bio-based value chains. During the event, Diana Molina from the Federation of Agricultural Cooperatives of Catalonia (FCAC) presented on "AGRILOOP Sustainable chains in bioeconomy and Biorefineries: from Farmers/Cooperatives to End Users," highlighting the project's experience in sustainability across economic, social, and environmental areas.

4.7.2 Trans4num project collaboration

AgriLoop has established a connection with the **Trans4num project** - Transformation for Sustainable Nutrient Supply and Management - which is also jointly funded under the Horizon Europe Framework and Ministry of Science and Technology, China. On November 5, 2025, two Chinese partners presented AgriLoop research outcomes at the Trans4num event called China-Europe International Academic Symposium on Sustainable Agricultural Development held in China and explored potential collaboration opportunities with the Trans4num team.

5. Exploitation activities; progress and plan

5.1 Progress and impact of Innovation Management Group (IMG)

The monitoring of the Exploitation activities (T5.4 Innovation Management) started at M30 (May 2025). It is carried out by the Exploitation Manager/ Project Manager (Baptiste

Dauphin - INRAE Transfert) with the support of the Innovation Management Group (IMG) which is composed of IP experts or contacts from each partner.

As per the Consortium Agreement and the Grant Agreement, each owner or co-owners are responsible for the protection and exploitation (including commercial) of the results they (co-)own. The main task of the Exploitation Manager is therefore to: make partners aware of proper IP management; oversee the taking of appropriate IP measures; and ensure that the legal obligations of the partners are respected.

Based on an assessment made at the beginning of the project, the Work Package Leaders were asked to conduct an assessment in their own WP to identify exploitation opportunities at M34. The results of this assessment were presented by each WPL (or their deputy) during the physical ExCom in Ghent, the 2nd of September 2025. The Exploitation Manager then contacted each result's leader to collect additional information such as: if any co-ownership exists, the result's current TRL level, the foreseen exploitation measures, etc. Not all the identified results are at the same maturity level.

5.2 Opportunities for exploitation of results and exploitation strategy

This work brought the identification of **ten specific results which have potential for commercial applications** (table below):

Result	Owner(s)	WP/Task	Description	Protection Measure	Exploitation Strategy
Result 1 (EU)	AVECOM + UGHENT	D3.2 / D4.2	Product - Production of microbial protein material for the aquaculture sector	Material Transfer Agreement currently negotiated with an industrial producer of feedstock	Carry on tests on shrimps by the feedstock producer; if successful, exploitation license negotiation
Result 2 (EU)	ENTO	T3.4	Process - Production of PHA using Black Soldier Fly (<i>Hermetia Illucens</i>), reducing the use of chemicals and the need of drying the bacterial biomass	Patent opportunities being assessed	Test currently carried out by ENTO to determine the best prototype; exploitation license negotiation
Result 3 (CN)	BIOMA CAAS	CN WP3.02	Product - A carbon-fixing bacterium <i>Chitinimonas</i> Y4 and its application	Patent opportunities being assessed and potential product	Finalizing the test phase

Result 4 (CN)	IARRP CAAS – BJAMS + BJAMS	CN WP3.02	Product - A Microbial Consortium capable of degrading lignocellulosic materials such as straw and manure.	Patent opportunities being assessed and potential product	Finalizing the test phase
Result 5 (CN)	IARRP CAAS	WP3.02	Process - An efficient method for the saccharification of sorghum straw used in liquor production	Patent opportunities being assessed	Finalizing the test phase; search for commercial prospects
Result 6 (CN)	IFST CAAS	WP3.01	Product/method - Research and application on high-efficient bioconversion of agricultural organic residue and preparation technology of edible microbial proteins in the form of yogurt	Patent or Trade Secret consideration	Exploitation license negotiation: Product commercially exploitable (need to find an industrial partner)
Result 7 (EU)	BIOMI, UNIVR, UM	D4.1, MS14, MS15	Product / method -Dev of a PHBV-based blend formula for the production of a mulching films usable for agriculture end-users	Patent opportunities being assessed	Test phase currently being carried out. Currently at TRL4, hoping to reach TRL 6 or 7 by the end of the project.
Result 8 (EU)	UNIVR, UNIROMA	D4.1, MS14, MS15	Process / Method Production of PHBV from Mixed Microbial Cultures (MMC)	Patent opportunities being assessed	Test phase currently being carried out
Result 9 (CN)	SJCOF, IFST CAAS	WP2	Product - Extraction of proanthocyanidins from peanut red skins peanut's skin. Production of Procyanidins with strong	Patent opportunities being assessed	Test phase, potential application in pharmaceutical and Food industry.

			Antioxidant activity			
Result 10 (CN)	HZAU, SCRG	WP4	Product process	/	Patent opportunities being assessed	Test phase, potential application for antibiotic replacement, protein feed addition/substitution
			Production of yeast proteins from distiller's lee			

5.3 Goals for the final exploitation period (M36-M48)

The goals for the final period are focused on converting these assessments into definitive legal and commercial achievements. The goals for the last reporting period are the following:

- **Keep monitoring** the already identified results and follow their maturation until their protection and exploitation is guaranteed.
- **Monitoring the upcoming promising results** in the project, especially in WP3 and WP4.
- **Reporting the outcomes** of this monitoring in the final reporting to be submitted to the REA in late 2026.

The IMG will maintain rigorous monitoring of upcoming promising results, especially those emerging from pilot-scale work in WP3 and WP4.

6. Evaluation and next steps

6.1 Evaluation of M18-M36 achievements

Communications and dissemination in the second reporting period (M18-M36) have reflected the strong project transition to results-driven delivery and the substantial deepening of the EU-China collaboration, which has matured into a highly effective joint effort within WP5. This was demonstrated at the AgriLoop Stakeholder Conference in Beijing (April 2025).

Dissemination efforts are on track (see table), with for example, 16 Practice Abstracts (PAs) delivered toward the revised target of 20, and public engagement activity exceeding its target with 16 completed events. Digital engagement has surpassed targets, with the project website attracting 7,401 visitors - exceeding the annual target of 2,000 - while targeted social media efforts led to a high 20.96% engagement rate on LinkedIn and an impressive reach from the WeChat channel exceeding 4,000 followers.

However, progress is currently below original targets for scientific publications, mainstream media engagement, technical data sheets and agricultural shows. While indications from project activity and exploitable results suggest these are on track to be addressed, they will all require a focused effort in the final period.

Table: Progress towards KPI targets for C and D (M18-M36 progression)

Metric category	D5.2 status (end M18)	D5.3 status (end M36)	Target (end M48)	Status
Website visitors (annual)	3,156 (total M1-M18)	7,401 (M18-36)	2,000 (per year)	Achieved
Social media followers (total)	3,976 (all channels, M18)	4,875 (EU: 875, CN: 4,000+)	1,000	Achieved
Scientific publications (total)	4 (published M1-M18)	11 EU/ 6 CN (35 in development)	30 (EU) + 20-25 (CN)	Progressing
Joint EU/CN publications	-	1 but not open access	8-10	More work needed
Exploitable results	0 (M18)	10 (Identified M34, protection assessed)	N/A	N/A
Practice abstracts	3 (Delivered M18)	16 delivered (13 delivered M18-36)	20 (revised target)	On track
Policy briefs	N/A	1 delivered	2	On track
Media coverage	7 (M18)	11 total	20	Progressing
Face-to-face training events	0	9	8	Achieved
Workshops	0	0	3	Planned
Knowledge transfer webinars	2	6 total	10	On track
Presentations/posters at scientific events		31	40	On track
Public engagement events	4	16 total	6	Achieved
Trade shows	0	2 total	4	Progressing
Agricultural show	0	0 total	4	More work needed
Policy maker events	0	2 total	4	On track
Product data sheets	0	0	8	Planned



The exploitation pathway has been formally initiated, and monitoring has successfully identified ten specific exploitable results (products/processes) now under intellectual property (IP) assessment, including one Chinese microbial protein product (Result 6) that is already deemed commercially exploitable. The focus is now on converting project results into guaranteed commercial and policy impact, while closing remaining KPI gaps, particularly in scientific publication, media engagement and engagement with agricultural audiences.

6.2 Next steps

The final 12-month reporting period (concluding 30th November 2026) will be dedicated to proactive engagement, strategic outreach, and maximising impact to cement the project's legacy and ensure its influence extends beyond conclusion. This phase will focus on three strategic priorities while addressing identified gaps in delivery against KPIs:

Establishing strategic collaborations and expanding influence: We will create important collaborations with relevant EU projects and influential stakeholders to expand our policy sphere and amplify project outcomes across broader networks.

Creating high-visibility dissemination platforms: We will use existing channels, project-led events (training and webinar programme) and external events to ensure maximum visibility, culminating in the final stakeholder meeting in November 2026. These platforms will showcase project achievements and facilitate knowledge transfer to key audiences.

Targeting end-users and ensuring commercial awareness: The final year will prioritise outreach to end-users and industry stakeholders to promote the commercial viability and practical adoption of project outcomes.

Activity will include:

- **Exploitation**

- Finalise the intellectual property (IP) protection strategy (patent filing, trade secrets) for the ten identified exploitable results.
- Initiate and close exploitation license negotiations for Result 6 (CN microbial protein product) and Result 7 (EU/CN commercial product).
- The Exploitation Group (IMG) will intensify monitoring of upcoming results from pilot-scale validation in WP3 and WP4 to identify and protect at least two more commercially viable results.
- Develop product data sheets (target eight)

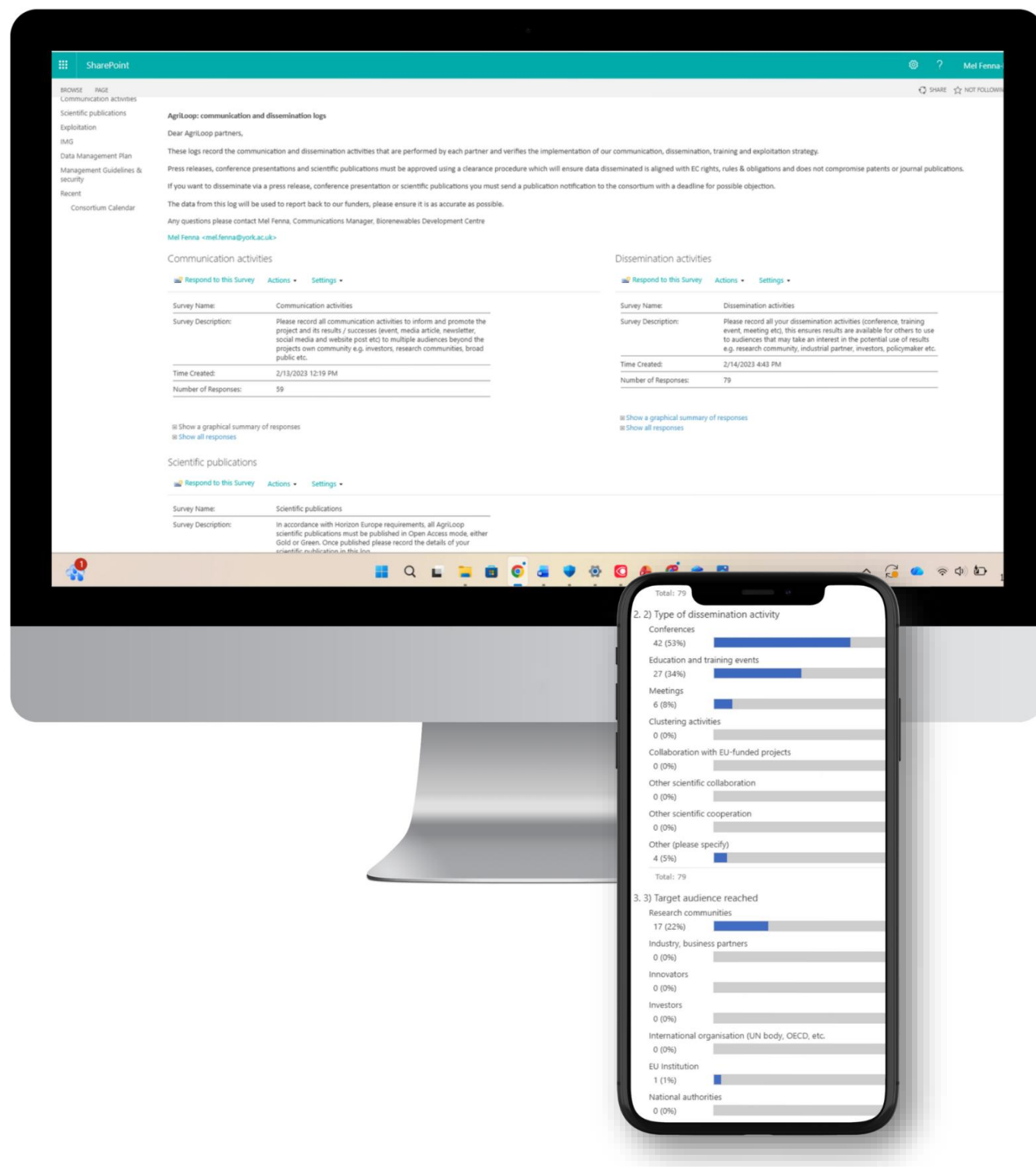
- **Scientific publications**

- Identify and submit the remaining articles required to meet the original targets (35 in preparation).

- Prioritise joint EU-China publications ensuring compliance with EU guidelines.
- **Policy impact**
 - Develop and publish the second Policy Brief in March 2026 (M39). This brief will formalise themes from the AgriLoop Consensus.
 - Submit the final AgriLoop Consensus paper to key European (DG AGRI) and Chinese (MARA) policymakers via targeted high-level meetings to influence future funding calls and legislation.
 - Develop policy-related content for a practice abstract and/or blog content using relevant contacts with knowledge within this sphere.
 - Identify collaborations, existing events and determine the feasibility of running an AgriLoop event that specifically targets policymakers.
- **End-user uptake and knowledge transfer**
 - Develop and circulate a plan to maximise uptake of best practices and policy recommendations (M40)
 - Finalise and publish the remaining 4 Practice Abstracts (PAs) to ensure the revised target of 20 is met.
 - Host the final physical stakeholder meeting (e.g., Rome or Barcelona) in November 2026 (M48), incorporating mandatory physical training sessions and site visits to showcase validated pilot plant results to end-users and policymakers.
 - Target participation in high-footfall agricultural shows to reach large numbers of European farmers and agribusiness professionals.
 - Deliver the final training and webinar events featuring expert speakers and strategic partnerships, ensuring a diverse and engaging programme that resonates with and serves the specific needs of our target audience.
- **Increase project visibility**
 - Actively build relationships with partner communications teams to increase awareness of localised opportunities and use existing media relationships.
 - Identify additional opportunities outside of traditional print media, including blogs and podcasts.
 - Encourage participation from partners and identify advocates that are comfortable with media engagement, and ensuring the project is referenced during those interactions.
 - Utilise press releases and social media campaigns to highlight key project achievements
- **Internal reporting and data collection**
 - All partners to be reminded to regularly and rigorously engage with the logs on the SharePoint, ensuring all activity is recorded in a timely manner to prevent any missed achievements during the final reporting phase.

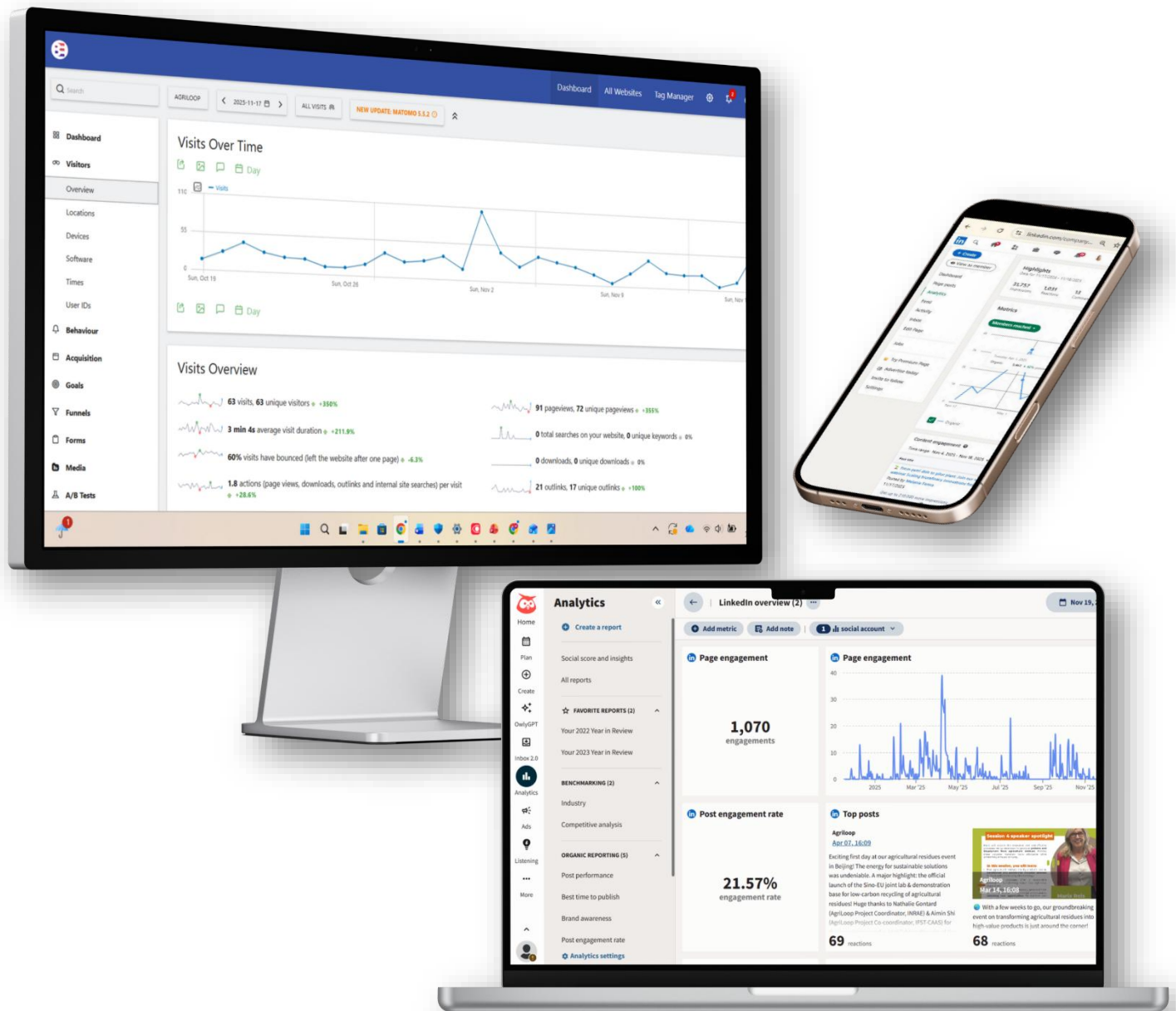
Annex 1: SharePoint logs

Centrally available platform for the recording of publications, and partner communication and dissemination activities.

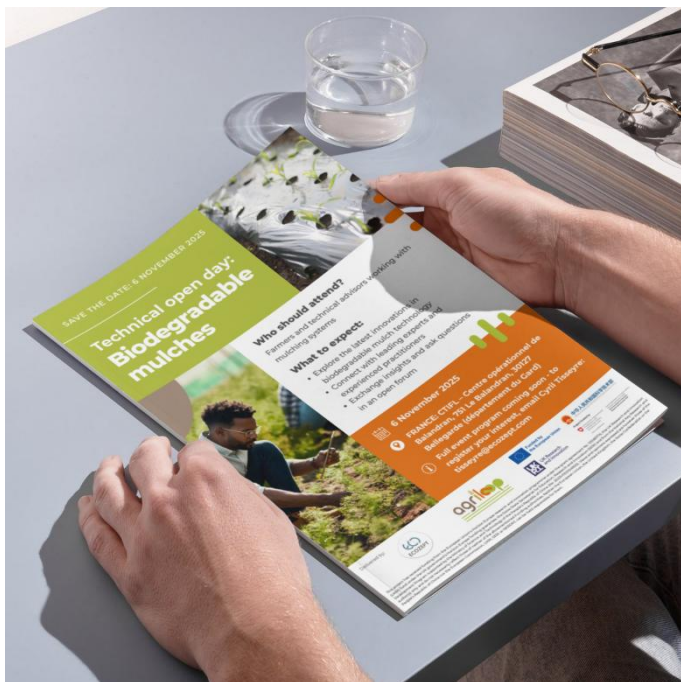


Annex 2: Digital channels analytics

Matomo, native LinkedIn analytic and Hootsuite are used to track traffic, engagement and audience growth across AgriLoop's digital channels.

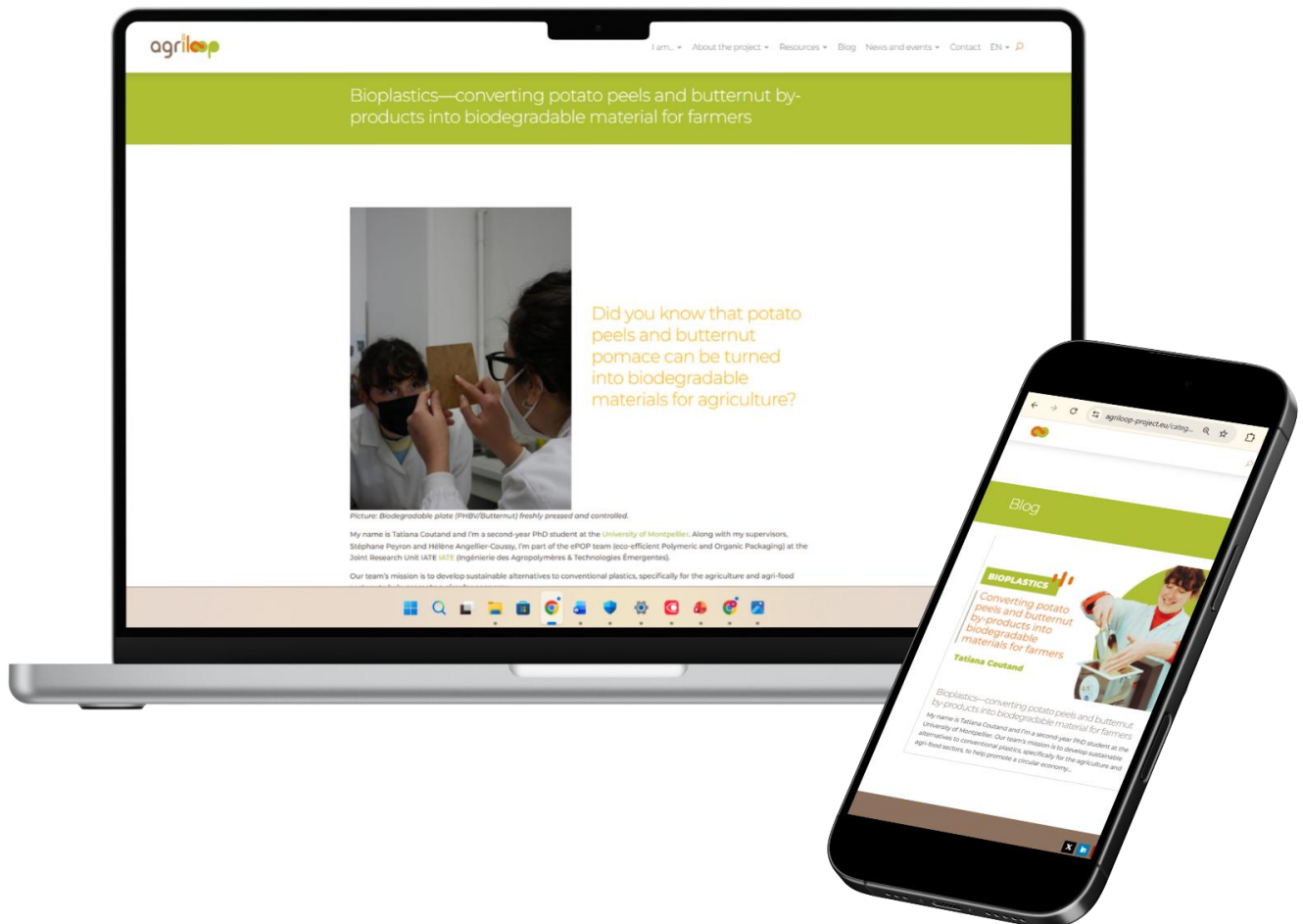


Annex 3: Examples of brand development and implementation



Annex 4: Website blog section – first post

Link to the website section: <https://www.agriloop-project.eu/category/blog/>



Annex 5: Practice abstracts

Guide and template



BEST PRACTICE ABSTRACT GUIDELINES

Crafting an effective best practices document requires a clear and thoughtful approach, especially within the complex landscape of agriculture and biorefining. This guide will help you create a compelling and accessible document that resonates with diverse stakeholders.

According to our Grant Agreement, the Best Practice Abstracts can be positioned within these categories:

- Good farming practice documents** grouped by crop or livestock system and adapted to different agroclimatic regions to ensure broad representation across EU and CN.
- Best practice biorefinery recommendations**, covering the most promising by-product and co-product processing technologies and biorefinery options—organised by product groups (e.g. biomaterials, agricultural supplies, food additives).
- Policy recommendations**, with a focus on opportunities linked to the Green Deal, EU Bioeconomy Strategy, Farm-to-Fork Strategy, and the EU-China FAB initiative—formalised through policy briefs, direct interaction with policymakers, and participation in relevant events.
- Recommendations for implementing an EU-CN shared SSBD vision for agro-residue management.**

Key principles:

- Develop a focused, concise vision of your best practice
- Use clear, straightforward language
- Communicate technical concepts in accessible terms
- Aim for brevity and clarity (approximately 2 pages)
- Organize content with short, focused paragraphs
- Enhance understanding with supporting visuals and diagrams

1. CONTEXT

Providing context is crucial. Readers connect more deeply when they understand the background and significance of your work. Consider adding:

- Location and setting of the practice
- Type of farm, process, or crops involved
- Brief literature review and/or situational summary
- Specific challenges or opportunities addressed
- Target beneficiary groups (farmers, researchers, industry)
- Key stakeholders involved

Explain the original motivation: What process were you improving? What specific issues were you addressing? How might this practice transform current approaches?

2. PROJECT ACTIVITY

Provide a concise, practical description of what was implemented in the field, biorefinery or laboratory. Focus on delivering a clear narrative that captures the essence of your work.

- Explain the specific actions taken
- Highlight tangible results and impacts
- Demonstrate measurable outcomes

Key areas to address include: quantitative changes (e.g. did crop yields increase?); environmental impact (e.g. did soil health improve?); efficiency gains, etc. Here, it's important to provide specific, measurable data points where possible. Visuals are also crucial to effective communication. Ensure you use high-quality images, clear graphics and diagrams, and illustrate key points with compelling visual evidence.

In this section, you can also go beyond a single context by exploring broader applications, considerations, and constraints, including:

- The potential for adaptation in different environments
- Specific requirements for successful replication
- An honest assessment of any limitations

The goal is to create a comprehensive yet accessible description that demonstrates the practice's value, versatility, and potential for broader impact.

3. KEY FINDINGS

To conclude the document, include a clear summary using 3 to 4 concise bullet points. These should highlight the key information and recommendations.

4. REFERENCES

Reference relevant Agriloop deliverables, publications and/or sources that should be credited. These can add credibility and depth to your best practice abstract by contextualizing your work within existing research and providing readers with additional resources.

Template: Best Practice Abstract

Crafting an effective best practices document requires a clear and thoughtful approach, especially within the complex landscape of agriculture and biorefining. This template will help you create a compelling and accessible document that resonates with diverse stakeholders.

Key principles:

- Develop a focused, concise vision of your best practice
- Use clear, straightforward language
- Communicate technical concepts in accessible terms
- Aim for brevity and clarity (approximately 2 pages)
- Organize content with short, focused paragraphs
- Enhance understanding with supporting visuals and diagrams

YOUR DETAILS

Include your name, institution, and contact details

* add your text here

CONTEXT

Explain the original motivation: Who does this relate to (farmers, biorefineries, policymakers etc)? What process were you improving? What specific issues are you addressing? How might this practice transform current approaches?

* add your text here

PROJECT ACTIVITY

Provide a concise, practical description of what was implemented in the field, biorefinery or laboratory. Focus on delivering a clear narrative that captures the essence of your work:

- Explain the specific actions taken
- Highlight tangible results and impacts
- Demonstrate measurable outcomes

* add your text here

KEY FINDINGS AND RECOMMENDATIONS

To conclude the document, include a clear summary using 3 to 5 concise bullet points. These should highlight the key information and recommendations.

* add your text here

REFERENCES

Reference relevant Agriloop deliverables, publications and/or sources that should be credited. These can add credibility and depth to your best practice abstract by contextualizing your work within existing research and providing readers with additional resources.

* add your text here

VISUALS

Add any images or other supporting visuals if available.





Example Practice Abstract from batch 1 (D5.8)

Best Practice

June 2024



Feedstock pre-treatment and production of precursor efficiency for production of biobased chemicals from agricultural residues

Agricultural waste and by-products such as brewery spent grains, tomato pomace and potato peels could be a sustainable source of fermentable carbohydrates to produce biobased chemicals such as polyhydroxyalkanoates (PHAs). However, their carbohydrates are mainly complex polymers that currently require treatment with high temperatures and strong acids to be released. AgriLoop is developing more efficient and cost-effective pretreatment and extraction technologies for these residues, namely.

Project activity

Three thermophilic fungi were grown on brewery spent grains and their enzymes recovered and used for hydrolysing and solubilising this residue. A subcritical water pre-treatment was developed, and tested on tomato pomace, brewery spent grains and potato peel residues. Supercritical CO2 extraction was evaluated for recovering high-value components (i.e., carotenoids, polyphenols, and flavonoids) from all three residues at different temperatures (between 40 and 80°C), pressures and contact times. The characterisation and quantification of all extracted components is in progress.



Findings and recommendations

Technologies have shown promising results and should be considered as possible efficient and cost-effective pretreatment of agricultural residues for the production of biobased chemicals.

Thermophilic enzymatic hydrolysis is effective pretreatment of brewery spent grains. This can convert up to 34% of brewery spent grains into soluble compounds (probably carbohydrates, polymers and/or proteins) within just three days.

Subcritical water treatment options show promise for processing residual materials, with results obtained with brewery spent grains and potato peels at 190°C.

- Supercritical CO₂ extraction can be used to recover high-value compounds (carotenoids, polyphenols, and flavonoids) from agricultural residues before further processing.



References

- AgriLoop project deliverable 3.1: Feedstock pre-treatment and production of precursor efficiency https://www.agriloop-project.eu/wp-content/uploads/2023/12/Deliverable-D3.1_AgriLoop.pdf.

Contact

For more information about the AgriLoop Project, visit:

agriloop-project.eu



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Annex 6: First policy brief

Policy brief

November 2024



Understanding agricultural residue availability, management, and sustainable use

Summary

Agricultural residues are an underexploited resource for the EU and China and their increased use can bring significant economic, environmental and societal benefits.

A regularly updated and comprehensive database around these residues is needed to enable effective decision making and best practice that optimizes the technical, environmental and socio-economic sustainability of new value chains based on their use.



AgriLoop's approach

One important element of the AgriLoop project is desk studies that present data sets and methodologies for estimating the volumes of key agri-residues in Europe, approximating their potential yield to diverse products, and prioritizing the most promising valorisation pathways.

Agri-residual streams, such as cereals, tomato, grapes and oil have been selected for screening, based on their crop production levels in the EU. Estimates of both primary (generated close to fields) and secondary (generated by plant processing sites) residue volumes have been provided, as well as different potential processing pathways per crop.

Next, residue volumes per country have been calculated, based on the production level of each crop and crop-to-residue ratios from literature. Then, information on the nutrient composition of residues was collected and expressed as the amount of nutrients available per country and per residue stream. Finally, yields of biopolymers, protein and other biobased products were estimated both per country and per ton of residues.



Annex 7: Stakeholder event in China

Event agenda

BEIJING, CHINA

7-8 APRIL 2025
(Optional pre-event visits 3-5 April*)

HUBEI HOTEL
No.36 Zhongguancun South Street,
Haidian District

agriloop

Innovation in high-value products from agri-food residues

EVENT SCHEDULE

Secure your spot today and join us in person or virtually! www.agriloopproject.eu/beijing_april2025

PRE-EVENT 3-5 APRIL

OPTION 1 Visit China's top university, explore the mushroom super factory, and experience Beijing's historical landmarks and the birthplace of Confucianism

Thursday Full day: Beijing Summer Palace
AM: Peking University/ China Agricultural University
PM: Beijing Houhai/ Temple of Heaven

Friday Full day: Beijing Summer Palace
AM: Shandong Youhe industry (mushroom production)
PM: Confucius Temple

OPTION 2 Tour the Great Wall UNESCO World Heritage site, taste cutting-edge plant-based products at IFST-CAAS, see the full production process at the peanut factory and visit the Peanut History Museum

Thursday Full day: Great Wall UNESCO World Heritage site
Full day: Lab visit at the Institute of Food Science and Technology (IFST), Chinese Academy of Agricultural Sciences (CAAS)
AM: Shandong Jinsheng Grain & Oil Group (peanut processing and by-product utilization)
PM: Peanut History Museum

Friday Full day: Great Wall UNESCO World Heritage site
Full day: Lab visit at the Institute of Food Science and Technology (IFST), Chinese Academy of Agricultural Sciences (CAAS)
AM: Shandong Jinsheng Grain & Oil Group (peanut processing and by-product utilization)
PM: Peanut History Museum

OPTION 3 Visit the Fermentation Bioconversion Lab in the IARRP-CAAS, tour the advanced PHA factory, and explore China's royal garden and the first bridge in China which is over 1,400 years old

Thursday Full day: Beijing Summer Palace
Full day: Lab visit at the Institute of Agricultural Resources & Regional Planning (IARRP), CAAS
AM: Hebei NACOL Biotechnol. Co., Ltd (PHA production)
PM: Zhaozhou Bridge

Friday Full day: Beijing Summer Palace
Full day: Lab visit at the Institute of Agricultural Resources & Regional Planning (IARRP), CAAS
AM: Hebei NACOL Biotechnol. Co., Ltd (PHA production)
PM: Zhaozhou Bridge

MONDAY 7 APRIL 13:00-17:30

13:00 Welcome and opening session

- Nathalie Contard AgrilLoop project coordinator, Research Director, National Research Institute for Agriculture, Food and Environment (INRAE), France
- Alimin Shi AgrilLoop project co-coordinator, Professor, Institute of Food Science and Technology, Chinese Academy of Agricultural Sciences (IFST-CAAS), China

SESSION 1 Circular economy vision and priorities in the EU and China and co-funding opportunities

13:10 Introduction to the China-EU cooperation for science and technology

- TBC Representative of Ministry of Science and Technology (MOST), China

13:30 Policy and national practice in China for promoting circular economy and waste and residues recycling

- TBC Representative of Ministry of Agriculture and Rural Affairs (MARA), China

13:50 EU and China research and innovation collaborations

- Luis Vivas-Alegre EU Delegation in China, DG Research and Innovation Agri-Food Chain

14:10 INRAE's policy to strengthen agricultural collaboration and shared vision between France and China with a foreword from Thierry Caquet, Vice-President of International Policy, INRAE

- Florent Chazarenc International Project Manager, INRAE, France

14:30 Cooperation between China and EU in agriculture

- TBC Representative of Chinese Academy of Agricultural Sciences (CAAS), China

14:50 Agricultural green circular science and technology cooperation for mutual benefit

- Qiang Wang AgrilLoop IAB Member, Professor, IFST-CAAS

15:10 Ceremony for the Sino-EU joint laboratory and demonstration base for low-carbon recycling of agricultural residues

GROUP PHOTO & BREAK

SESSION 2 Circularity and safety of innovative value chains of agricultural residues

15:40 Early assessment of potential valorization pathways of agri-residues and associated environmental impacts

- Jan Broeze Researcher, Wageningen Research (WR), The Netherlands
- Gang Li Associate Professor, Beijing Technology and Business University (BTBU), China
- Miguel Mañá Associate Professor, University of Santiago de Compostela (USC), Spain

16:00 Synergistic effects of net zero carbon transition on social, economic and environmental health climate

- Guofeng Shen Professor, Peking University, China

16:20 Assessment of processing pathways and applications from an industry perspective, for side streams of agro-food processing industries

- Ewoud De Gussem Owner, Impetus Company, Sustainability meet business, Belgium

16:40 Unlocking the new value of agricultural residues: circulation channel expansion and security guarantee strategy

- Yugang Zhou - Professor, China Agricultural University, Beijing, China

17:00 Biorefinery design with OUTDOOR: guiding efficient pathway exploration for bioprocesses

- Lucas van der Hauwaert PhD, University of Santiago de Compostela (USC), Spain

TUESDAY 8 APRIL 9:00-20:00

SESSION 3 Eco-efficient recovery of native functionality from agricultural residues

09:00 Upstream proteins and chemicals recovery from agro-industrial biomass

- Annalisa Tassoni Associate Professor, University of Bologna, Italy
- Hui Hu Associate Professor, Chinese Academy of Agricultural Sciences (IFST-CAAS), China
- Chahinez Aouf Research Director, National Research Institute for Agriculture, Food and Environment (INRAE), Montpellier, France

09:20 Corn cob cellulose nanospheres for eco-friendly detergent

- Yuan Li Professor, China Agricultural University, Beijing, China

09:40 Cutin biosynthesis from industrial tomato processing by-products for sustainable applications

- Tommaso Barbieri Chief Operating Officer, Tomapaint SL, Italy

10:00 Value-added development and sustainable utilization of agricultural and cereal by-products

- Lianhui Zhang Director of Grain Research and Development Center at COFCO Nutrition & Health Research Institute, China

10:20 From labs to markets: tools and institutional mechanisms

- Alessandra Guidi Scientific Officer, Italian Embassy in Beijing, China

BREAK

SESSION 4 Bioconversion of agri-residues into microbial and fungal proteins and microbial polyesters

11:00 A sneak peek at AgrilLoop's biotechnological pathways for upcycling agri-residues

- Maria Reis Professor, NOVA School of Science and Technology, Portugal
- Wei Gao Associate Professor, Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences (IARRP-CAAS), China
- Ramon Ganigue Associate Professor, University of Gent, Belgium
- Ruan Zhiyong Professor, Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences (IARRP-CAAS), China

11:20 Utilizing beneficial soil microbial resources to promote green and high-quality agricultural development

- Blin Zhao Professor, Huazhong Agricultural University, Wuhan, China

11:40 Harnessing nature's solution to plastic pollution: scaling up PHA production as natural alternative for plastic from organic residues

- René Rozendal Managing Director, Paques Biomaterials Company, Bolk, The Netherlands

12:00 Novel microbial cell factory: Zymomonas mobilis

- Mingxiong He Professor, Biogas Institute of Ministry of Agriculture and Rural Affairs, Chinese Academy of Agricultural Sciences (BIOMA-CAAS), Chengdu, China

12:20 PHA production from non-food source substrates

- George Chen Professor, Tsinghua University, China

LUNCH

14:30 Genetic basis of protein content variation of Agaricus bisporus

- Rui-Lin Zhao Professor, Institute of Microbiology, Chinese Academy of Sciences (CAS), China

14:30 KANEKA Biodegradable Polymer Green Planet™: biodegradable PHBH as conventional plastic alternative

- Takeshi Sugisue Kaneka Company, Japan

TUESDAY 8 APRIL 9:00-20:00

SESSION 5 Upscaling biorefineries from and for the farming sector in frugal conditions

14:50 From the bench to pilot scale applications for agricultural residues valorization in the AgrilLoop framework

- David Bolzonella Professor, University of Verona, Italy
- Xiaolong Yao Associate Professor, Beijing Technology and Business University (BTBU), China

15:10 In the era of frugality, agriculture and bio-refinery synergistic upgrade strategy

- Yeqing Li Professor, China University of Petroleum, Beijing, China

15:30 Designing agricultural vegetal supplies as alternative to plastic to improve farmer's lives

- Thomas Gullard Industrial Design, La Moricière, France

BREAK

SESSION 6 Connecting young stakeholders (6a) Exploring business and research collaborations (6b)

16:30 Session 6a. Sino-European young stakeholders connecting session

The upcoming generation will exchange views during a dynamic session that gathers young actors from academic and professional sectors in Europe and China. This is a rare networking opportunity, bringing together a broad range of young professionals to share their work projects, current R&D ideas, experiences and build contacts for future collaborations.

Moderators: Xiaojie Ma (IFST-CAAS, China), Xin Guo (Shenyang Agricultural University, China), Isabelle Dedieu (INRAE, France), Shunuo Cao (IFST-CAAS, China), Lucas Van Der Hauwaert (USC Spain).

- Presentations and key notes (30 min)
- Dynamic Sino-European connecting activities, mini-project competition (60mins)
- Debate, prospects and conclusion (30 min)

16:30 Session 6b. Networking session for business, science and policy

This is a unique networking opportunities to explore business and research collaboration between Europe and China. You will network with industry, researchers and government officials, and explore policy and support measures. You may also make a short presentation about your business or research ideas and arrange business-to-business meetings.

Moderators: Burkhard Schaefer (ECOZEPT, France), Gang Li (BTBU, China), Anne Verniquet (DSS+, Switzerland), Jan Linck (ECOZEPT, France)

DINNER



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This project has received funding from the European Union's Horizon Europe research and innovation programme under the grant agreement No. 10108775, the UK Research and Innovation (UKRI) fund under the UK government's Horizon Europe funding guarantee, the Swiss State Secretariat for Education, Research and Innovation (SERI) and from the National Key Research and Development Program supported by the Ministry of Science and Technology of the People's Republic of China (No. 2022YFE0204000). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of neither of the aforementioned funding authorities. Neither the European Union, the United Kingdom, the Swiss Confederation or the People's Republic of China nor the European Commission, UKRI, SERI or NKRDPC can be held responsible for them.

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Annex 8: Communications and dissemination logs (M18-36)

Table: Communication logs (correct to 3rd November 2025)

Created By	1) Activity	2) Description of the activity	3) Date	4) Location	5) Communication channel	6) Audience reached?	7) Size of the event / activity (approx.)	8) Outcomes
Miguel Mauricio Iglesias USC	Presentation of Agriloop in Galicia Biodays	Agriloop was among the projects presented in USC stand in the Forum of the biotechnology and life sciences industry in the European Atlantic Area. https://www.galiciabiodays.com/	06/12/2024	Vigo, Spain	Trade event	Citizens; Industry, business partners; Innovators; Research communities	900 attendees	Preliminary contact with a brewery company (Estrella Galicia) and a meat waste company (Sueve Biotech) To be followed up
Nádia Ribeiro ITQB	Noite Europeia dos Investigadores	Scientific fair to show the work done at the Institutions to the broad public.	27/09/2024	Oeiras - Portugal	Exhibition	Citizens	Hundreds of people over 6 hours exhibition	Presentation of the on-going work to the public.
Miguel Mauricio Iglesias USC	Card game in Open Science Event	We created an AGRILLOOP "Build your own biorefinery" card game that was presented to the public in the Open Science day of research institute CRETUS 4-5 people played in shifts. The	23/11/2024	Santiago de Compostela, Spain	Card game	Citizens	30	Greatly improved understanding by general public of the potential of waste streams and feedstocks through a biorefinery valorization
Barbara Almeida NID	keynote presentation	Keynote presentation at ISBP2024	20/10/2024	Setia SPICE Convention Centre, Penang Island, Malaysia	Event (conference, meetings, workshop, internet debate, round table, group discussion, etc.)	Research communities	200	new collaborations
Nádia Ribeiro ITQB	ITQB NOVA Open Day 2025	The ITQB NOVA has open its doors to the population showing the research done at the Institute. Over 7 hours, our researchers have explained the science and technology to close 2000 visitors. Agriloop project and objectives has been in display, attracting the attention of several age groups, who were quite interested in the	15/03/2025	ITQB NOVA, Oeiras - Portugal	Exhibition	Citizens	2000 visitors over 7 hours of activity	Get the public attention to the valorisation of residues and alternative materials. Importantly, showing colleagues scientists the research done by us, opening the possibility for future collaborations.
Nádia Ribeiro ITQB	Oeiras Valley Science Festival	Science Fair with hands-on and showcase of the project to the general public, scientists and policy makers.	24/05/2025	Oeiras - Portugal	Exhibition	Citizens	22000+ visitors over 5 days event (our stand was there for 4 hours)	Talk with people of all ages regarding the meaning of circular bioeconomy, including members of the press and agro-industry employees.
Nádia Ribeiro ITQB	European Researchers' Night	Presentation of the project	26/09/2025	Oeiras - Portugal	Exhibition	Citizens	+500 people	Introduce the project to the citizens and show the preliminary results, focusing in the circular bio-economy
Nádia Ribeiro ITQB	Encontro Nacional de Ciência Cidadã (National Encounter for Citizen Science)	The ITQB researchers and the teachers and students that have participated in the Training Event 6 (SOILED - monitoring the changes in plastic-based materials during degradation and its impact in the soil's characteristics) will give a demonstration of this project and	14/11/2025	Oeiras - Portugal	Event (conference, meetings, workshop, internet debate, round table, group discussion, etc.)	Citizens	+100 people	Dissemination of Agriloop project outputs and interactions with the local Communities. Involvement of the youngest generation in the plastic pollution real situation and problematic.
Lionel Tayou NGUEMNA UNIROMA	Publication on social media (Linkedin)	Oral presentation regarding the activities conducted in the lab for the WP3, T3.3 on PHA production through the continuous multi-reactor flow process	01/10/2025	Lisbon (Portugal)	Social media	Research communities	more than 100 people	No specific outcomes, the audience well received the data presented. New contacts and possible new collaborations have been made regarding the specified topic. In addition, further meetings are planned
Natalia Hernández CSIC	LinkedIn post	LinkedIn post about the Annual Meeting in China	24/04/2025	China	Social media	Research communities	500	Project dissemination within my collaborators' network
Natalia Hernández CSIC	LinkedIn post	Post about my conference as a speaker at BIOTEC25	21/07/2025	Barcelona	Social media	Research communities	500	Collaborators' dissemination about the last experimental results
Natalia Hernández CSIC	X publications	Three tweets have been uploaded from the official Polybio Laboratory account regarding the Agriloop project, covering results	08/04/2025	China	Social media	Citizens	200	Future collaborations
Anne Verniquet DSS+	General dissemination about Agriloop in the Frame of the event Tech4Regen	https://www.tech4regen.ch/event/innovations-for-regenerative-viticulture-agriculture General dissemination about	28/10/2025	Changins, Switzerland	General dissemination	Innovators	80	10 contacts with multinationals, start-ups and students
Cristiana Torres NID	EXPO FCT Open Day	EXPO FCT is an annual science and technology fair organized by NOVA School of Science and Technology (NOVA FCT) that showcases the research, innovation, and educational activities developed across its departments and research units. The event welcomes high school students, teachers, companies, and the general public to explore interactive exhibits, laboratory demonstrations, and	30/04/2025	NOVA FCT, Campus Caparica, Portugal	Exhibition	Citizens	For the activity around 200 persons	The research carried out in our laboratories within the scope of the AGRILLOOP project was presented to the visitors promoting the scientific literacy, and reinforcing the commitment to public engagement, sustainability and innovation.
Cristiana Torres NID	European Researchers' Night in Lisbon	The European Researchers' Night in Lisbon is a public science event that brings together researchers and citizens for an evening of discovery, interaction, and fun. Organized as part of a Europe-wide initiative, it features hands-on experiments,	26/09/2025	Natural History Museum, Lisbon, Portugal	Exhibition	Citizens	Activity around 150 visitors	Increases public awareness of the importance and impact of scientific research in everyday life as well as the projects that we are developing.
Cristiana Torres NID	Poster presentation at 12 th European Symposium of Biopolymers	The 12th edition of the European Symposium on Biopolymers (ESBP) took place from 1 - 3 October 2025 in Lisbon, Portugal. The event was organised by the NOVA School of Science and Technology (NOVA FCT) and aimed to ring together researchers, and industry professionals working on biopolymers to exchange knowledge, foster collaborations and advance the field.	01/10/2025	Lisbon, Portugal	Event (conference, meetings, workshop, internet debate, round table, group discussion, etc.)	Industry, academia	150	-

Table: Dissemination logs (correct to 3rd November 2025)

Created By	1) Name of the dissemination activity	2) Type of activity	3) Target audience reached	4) Purpose
Chiara Bastianelli-EXT010277A	Seminar to master degree students (University of Verona)	Education and training events	university students	To describe and promote the AgriLoop project , presenting the main scopes and the first scientific results about the production and extraction of PHA at pilot scale.
Giorgia Benati-EXT011338Z	Working groups' annual meeting of the Italian Botanical Society, Participants: Giorgia Benati and Annalisa Tassoni (UNIBO), Title: "Plant protein extraction and characterization for a more sustainable future", Verona (Italy) 12-14 June 2024	Meetings	Research communities;#PhD students, Young Researchers group	Dissemination of results
Giorgia Benati-EXT011338Z	119th Congress of the Italian Botanical Society (X International Plant Science Conference), Participant: Giorgia Benati (UNIBO), Title "Plant proteins: a sustainable alternative for the future - extraction and characterization", Teramo (Italy) 11-13/09/24	Conferences	Research communities;#National authorities	Dissemination of results
Isabelle Dedieu	European Researchers' Night	Education and training events	Citizens	INRAE & University of Montpellier held a workshop for general public, explaining the problematic of conventional plastic production/use/waste management and AgriLoop solutions
Isabelle Dedieu	Science Fest - Montpellier edition	Education and training events	Citizens	INRAE & University of Montpellier held a workshop for general public, explaining the problematic of conventional plastic production/use/waste management and AgriLoop solutions
Miguel Mauricio Iglesias-EXT009026P	European Society of Biochemical Engineering - ESBES 2024 Symposium	Conferences	Research communities;#Industry, business partners	Demonstration of results on biorefinery design based on modelling
Lucas Vanderhauwaert-EXT009834V	Oral Presentation Conference ESCAPE34	Conferences	Research communities;#Industry, business partners	regarding exploration of early stage design of biorefineries
Alberte Regueira-EXT011883P	13th European Conference on Mathematical and Theoretical Biology	Conferences	Research communities	Presentation of bioenergetic modelling methodology and its results on predicting mixed-culture fermentation
Chiara Bastianelli-EXT010277A	Training event: Pre-industrial scale biorefineries	Education and training events	Research communities;#Industry, business partners;#EU Institution;#National authorities;#Regional authorities;#Local authorities;#Specific end user	The aim was to describe processes for the recovery of high value-added products from agro-zootechnical wastes and to provide examples of pre-industrial biorefineries.
Chiara Bastianelli-EXT010277A	Oral presentation at the "11th International Conference on Sustainable Solid Waste Management"	Conferences	Research communities	Presentation of UNIVR's first results within the framework of AgriLoop project
Giorgia Benati-EXT011338Z	Conference of Young Botanists - CYBO 2025. Participant: Giorgia Benati (UNIBO), Title "Optimization of enzymatic digestions on tomato seeds to recover proteins and peptides", Genoa (Italy) 5-7 February 2025	Conferences	Research communities;#Young Researchers, PhD students	Dissemination of results
Giorgia Benati-EXT011338Z	1st Int. Congress on cultivation and processing of alternative biomass - InsectsPlus. Participant: Giorgia Benati. Title: "Enzymatic digestions trials to recover alternative proteins and peptides from tomato seeds". Cloppenburg (Germany), 12-14 May 2025	Conferences	Research communities;#Industry, business partners;#Local authorities	Dissemination of results
Ángel Estévez Alonso-EXT009031K	IWA Resource Recovery conference	Conferences	Research communities;#Industry, business partners;#Innovators	Share scientific results with the community
Ángel Estévez Alonso-EXT009031K	International Conference on Biogas Microbiology	Conferences	Research communities;#Industry, business partners	Share scientific results with the community
Giorgia Benati-EXT011338Z	European Bioeconomy Scientific Forum 2025 – EBSF2025. Participant: Giorgia Benati. Title: "Enzymatic extractions of proteins and peptides from agro-residues and digestates characterization". Joensuu (Finland), 11-13 June 2025	Other (please specify)	Research communities;#Industry, business partners;#Young researchers	Dissemination of results
Nádia Ribeiro-EXT011138Z	International Conference on Bioenergy & Bioeconomy (IBBC25). Participant: Nádia Ribeiro. December 3-5, 2025 - Lisbon, Portugal	Conferences	Research communities;#Industry, business partners;#Investors	According to the website will have "discussions on cutting-edge innovations, policy frameworks, and technological solutions driving the transition to a sustainable bio-based economy."
Nádia Ribeiro-EXT011138Z	Training Event: Characterisation of Synthetic and Natural Polymers	Education and training events	Other (please specify);#High-school students and teachers	This was an important work with high-school students, giving them the opportunity to explore the differences between polymers/material, and provide them contact with scientific research facilities.
Giorgia Benati-EXT011338Z	7th International Conference WASTES – WASTES 2025. Participant: Annalisa Tassoni. Title: "Sustainable extraction of bioactive peptides from brewery spent grain". Funchal, Madeira (Portugal), 3-5 September 2025	Conferences	Research communities;#Industry, business partners	Dissemination of results
Ramon Ganigüé-EXT009019O	Presentation at the International Conference on Innovative Technologies for Pollution Control and Carbon Reduction 2024 (27 October 2024, Hangzhou, China)	Conferences	Research communities;#Industry, business partners	I presented our work on AgriLoop under the presentation "Leveraging biotechnology to convert waste into added-value products: Two birds with one stone"
Ramon Ganigüé-EXT009019O	AgriLoop miniworkshop (2nd September 2025, Ghent)	Meetings	Research communities	The results of AgriLoop project were shared to Ghent University researchers through 4 talks by Jan Broeze, Aimin Shi, David Bolzonella and Hui Hu
Natalia Hernández-EXT009174S	Oral presentation at ESBP25 Conference in Lisbon (October, 2025)	Conferences	Research communities	Results dissemination to a scientific audience
Natalia Hernández-EXT009174S	Oral presentation at BIOTEC25 Conference in Barcelona (July, 2025)	Conferences	Research communities	Results dissemination to a scientific audience.

Ángel Estévez Alonso-EXT009031K	Workshop: Clean products from waste? Leveraging biotechnology to turn complex waste streams into high-purity products	Conferences	Research communities;#Industry, business partners;#Innovators	We organized a pre-conference workshop at the 2025 IWA Resource Recovery conference. We had presentations from AgriLoop researchers: Marianna Villano, Martin Struk, Cristiana Torres and Korneel Rabaey
Nádia Ribeiro-EXT011138Z	Webinar - Characterisation of extracts: Why does it matter in a biorefinery approach?	Education and training events	Research communities;#Citizens	Dissemination of AgriLoop
Giovanna Pesante-EXT009015F	Seminar for master degree students 2025 (University of Verona)	Education and training events	Students, young researchers	To describe and promote the AgriLoop project, presenting the main scopes and the first scientific results about the production and extraction of PHA at pilot scale.
Tatiana Coutand-EXT010528Z	Mediterranean Researchers' Night 2025	Education and training events	Citizens	Dissemination on the life cycle of plastics. Raising public awareness (children to non-scientific seniors) of the advantages and disadvantages of plastic, possible end-of-life options and alternatives
Giorgia Benati-EXT011338Z	"Webinar - Characterisation of extracts: Why does it matter in a biorefinery approach?" Participants: Annalisa Tassoni, Giorgia Benati. Title of presentation: "Sustainable recovery of bioactive peptides through enzymatic digestion". Online, 16 Oct 2025	Education and training events	Research communities;#Citizens	Dissemination of results
Benyamin Khoshnevisan-EXT008996O	Oral presentation at EUBCE2025	Conferences	Research communities;#Industry, business partners;#International organisation (UN body, OECD, etc.);#EU Institution	To present results from a Horizon Europe study on microbial protein production from biogas streams, highlighting sustainability gains and future socio-economic implications.
Benyamin Khoshnevisan-EXT008996O	Oral presentation at 12 International Conference on Sustainable Solid Waste Management	Conferences	Research communities;#Industry, business partners;#Innovators;#Investors;#International organisation (UN body, OECD, etc.);#EU Institution	To present a modular global model for prospective life cycle assessment of bioresource systems, enabling dynamic and scenario-based evaluation of future sustainability outcomes.
Amin Sadeghi Sheshdeh-EXT011598M	Sustainability Assessment and Life Cycle Thinking Workshop	Education and training events	Research communities;#Industry, business partners;#Innovators;#Investors;#International organisation (UN body, OECD, etc.);#EU Institution	To disseminate AgriLoop knowledge on sustainability assessment and Life Cycle Thinking, providing participants with practical skills in LCA, MFA, MCDM, and SSbD frameworks (workshop on 17-18 November).
Jinjin Zhu-EXT010063K	Atelier scientifique dans le cadre de partenariat INRAE en Chine et CNC	Conferences	Research communities;#EU Institution;#National authorities	The project's outcomes and societal impact were introduced to the French Embassy in China and INRAE's Chinese research partners.
Martin Struk-EXT011062P	Workshop: Novel proteins from side streams for a more sustainable food system	Conferences	Research communities;#Industry, business partners;#Innovators	We organised a workshop in present and online form at Xi'an Jiaotong University (China). We had presentation from AgriLoop researchers: Korneel Rabaey, Martin Struk, Aimin Shi, Wei Gao,
Lionel Tayou NGUEMNA-EXT009838Z	Participation in the European Symposium on BioPolymers (ESBP 2025) in Lisbon	Conferences	Research communities;#Industry, business partners;#Innovators	Presentation of data relating to WP3, task 3.3 on the production of biopolymers (PHA) from mixed cultures on a laboratory scale through the innovative continuous process.
Lionel Tayou NGUEMNA-EXT009838Z	Participation in the Emerging microbial technology (EMT 2025) in Genth and Poster presentation to the ESBP 2025 conference (UNIROMA)	Conferences	Research communities;#Industry, business partners;#Innovators	Presentation of data relating to WP3, task 3.3 on the production of biopolymers (PHA) from mixed cultures on a laboratory scale through the innovative continuous process and the simultaneous recovery
Lionel Tayou NGUEMNA-EXT009838Z	Oral presentation to the SURRI Summer School 2025 (BY UNIROMA)	Education and training events	Research communities	Presentation of data relating to WP3, task 3.3 on the production of biopolymers (PHA) from mixed cultures on a laboratory scale through the innovative continuous process and the simultaneous recovery
Paul Sauvetes	MedNight european night of researchers 2024	Education and training events	Citizens	The goal was to communicate towards the broad public the current challenges on today's plastic use, and the way AgriLoop aim to limit plastic pollution
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Paul Sauvetes	CIEC (interdisciplinary conference on circular economy) 2024	Conferences	Research communities;#Industry, business partners;#Innovators;#Investors	Presentation of the WP2 activity regarding the cascading approach, as part of a circular economy for the valorization of the agri-residues
Paul Sauvetes	Green extraction of Natural Products (GENP2024)	Conferences	Research communities;#Industry, business partners;#Innovators;#Investors	Communication on AgriLoop WP2 cascading approach for the extraction of different target molecules, and the methodology for developping this cascade
Paul Sauvetes	webinar: Characterization of the extracts: why does it matter in the circular biorefinery approach?	Other (please specify)	Research communities;#Industry, business partners;#Innovators;#Investors;#Citizen	In this webinar hosted by ITQB I presented the main challenges and perspective regarding the use of NADES
Nathalie Gontard	Conference on "PUSHING THE FRONTIER OF CIRCULAR AGRICULTURE BY CONVERTING AGRI-RESIDUES INTO VIRTUOUS PETROCHEMICAL SUBSTITUTES" at the fourth Mountain Futures Conference (25-27 September, Kunming, China)	Conferences	Research communities;#Industry, business partners;#Innovators;#Investors;#International organisation (UN body, OECD, etc.);#EU Institution;#National authorities;#Regional authorities;#Local	Explain the activities of the AgriLoop project related to plastic pollution mitigation.
Anne Verniquet-EXT009010D	LinkedIn post to disseminate a webinar	Other (please specify)	Industry, business partners;#Innovators;#Investors	Scaling-up biorefineries approaches is challenging. Learning from early movers make sense. Dissemination in dss+ network
Rita Escórcio-EXT009006E	ITQB NOVA- 15th PhD meeting 2025	Meetings	Research communities	Oral presentation entitled "Exploiting the potential of tomato pomace for developing antimicrobial cutin-derived materials" which was awarded as the best presentation of the event.
Miguel Mauricio Iglesias-EXT009026P	Presentation in conference IWA Resource Recovery 2025 in Leeuwarden, Netherlands	Conferences	Research communities;#Industry, business partners	Dissemination of work done in WP1, regarding computer-aided methods to characterise the potential of a given feedstock