



BIO4HUMAN

D7.2 - Dissemination, communication and exploitation plan

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1. Introduction

1.1 The Bio4HUMAN project

The solid waste management crisis in humanitarian settings is growing in urgency. One of the sound solutions to address this challenge is deploying innovative bio-based solutions, systems, and technologies.

The Horizon Europe project **Bio4HUMAN's** principal objective is to provide both humanitarian aid operators and bio-based sector stakeholders, with a list of bio-based solutions for solid waste management that have the potential to be applicable across various humanitarian settings.

The **Bio4HUMAN** project's unique approach aims to bring together humanitarian organisations, bio-based sector actors, and circular economy experts.

At an initial stage, Bio4HUMAN will provide results to two locations receiving humanitarian aid in Africa, namely South Sudan and the Democratic Republic of Congo. However, the outlook is to identify solutions that have the potential to be applicable to looming humanitarian challenges across Europe and internationally.

1.2 Definitions

In order to ensure that all **Bio4HUMAN** partners are aware and understand the key terminologies used in this Plan, and to avoid any confusion and miscommunication during its implementation, the following definitions have been set in place:

- **Dissemination** refers to the targeted, objective-driven measures towards all target groups such as workshops, publications, replication roadmap, local dissemination events for communities, policy briefs for key stakeholders, and synergies with other projects.
- **Communication** refers to activities aiming to raise awareness of the project, including the creation of a project website, social media, newsletter, promo videos, press releases, and Op-Eds.
- **Exploitation** refers to the measures taken to ensure the sustainability of the project after the project's end, through outreach to humanitarian aid operators, bio-based sector, and policymakers to exploit the results for replication, policy-making, environmental protection, as well as scientific use (including collaborative efforts).
- **Expected Results/Results** refers to any tangible or intangible effect of the action such as a list/catalogue of bio-based solutions for humanitarian partners and SWM for humanitarian applications for humanitarian practitioners, policymakers, and bio-based industry, a comprehensive replication roadmap including practical replication tools, and targeted guidelines and recommendations addressing further R&D&I needs as well as socioeconomic considerations.

The definitions outlined above are listed on page 27 of the **Bio4HUMAN** Proposal Document and page 119 of the Grant Agreement.



Figure 1: The European Commission's quick guide to Communication, Dissemination and Exploitation¹

1.3 Aim of this deliverable

The purpose of deliverable D7.2 is to explain **Bio4HUMAN's** dissemination, communication, and exploitation plan. The plan ultimately aims to maximize the impact of the project. The plan is objective-oriented, and details all the activities planned for the duration of the project. The deliverable starts by outlining the obligations and protocols that must be followed by all project partners. Following that, the deliverable showcases the key project results, the target audiences of the project, the dissemination, communication and exploitation activities to be carried out, as well as outlining the networking activities that will be carried out throughout the duration of the project and the collaboration activities done together with Bio4HUMAN's sister project WORM – Waste Management Challenges in

¹ European Commission's Quick Guide for Communication, Dissemination and Exploitation chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://ec.europa.eu/research/participants/docs/h2020-funding-guide/imgs/quick-guide_diss-expl_en.pdf

Humanitarian Operations. Finally, the deliverable concludes by presenting the key performance indicators (KPIs) and next steps to be followed.

2. Obligations and protocols

Effective dissemination, communication, and exploitation activities are crucial for the success of the **Bio4HUMAN** project. This claim is strengthened by the fact that Bio4HUMAN is a multi-actor project involving partners from different, not directly related fields of research. Therefore, all project partners must be aware of the project's communication protocols as well as their contractual obligations towards dissemination, communication, and exploitation activities.

2.1 Obligations of the project partners

The **Bio4HUMAN** Grant Agreement (GA) places legal obligations regarding Dissemination, Communication and Exploitation activities by the partners as outlined in Section 2, Article 17, page 27.

In line with that, the partners must promote the action and its results by providing targeted information to multiple audiences (including the media and the public) in a strategic, coherent and effective manner, and in accordance with Annex 1 of the GA.

Any dissemination or communication activity related to the project must use factually accurate information and indicate the following disclaimer “**Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or [name of the granting authority]. Neither the European Union nor the granting authority can be held responsible for them.**”

Additionally, the partners are obligated to inform the granting authority of any dissemination and communication activity that is expected to receive any major media impact.

2.2 Funding acknowledgement

According to Article 17.2 of the Bio4HUMAN Grant Agreement, any dissemination and communication activity related to Bio4HUMAN must acknowledge the funding support received by the EU using the European flag and funding statement shown in Figure 2 below.

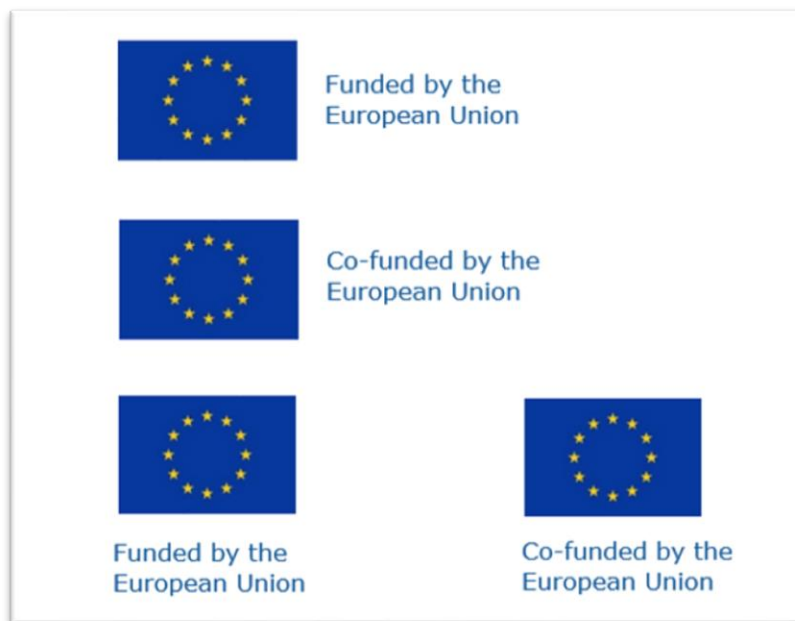


Figure 2: EU funding statement emblem

2.3 Roles

All dissemination, communication and exploitation activities will be managed by WP7&8 leader Enspire Science. Nonetheless, every partner is expected to actively contribute to these activities in accordance to the allocation of resources for WP7&8 as shown below:

Table 1: WP7 Staff Effort

Partner	Person months
Enspire Science	6
ITENE	1.5
University of Cantabria	2
Pro Civis	2
People in Need	1.5
WeLOOP	2.5
Irish Bioeconmy Foundation	2.5
Polish Humanitarian Action	1
AIMPLAS	2
BioEast HUB	5.5

2.4 Procedure for communication activities

Enspire Science is in charge of all central communication activities. All partners must communicate about the project in a manner that does not divulge confidential information, respects the project's visual identity, and includes the EU funding acknowledgment outlined in this document.

All communications draft materials must be shared with the full consortium for review, and any inputs will be communicated in a timely manner.

Enspire Science should first review printed materials to ensure that presentation remains consistent with **Bio4HUMAN's** brand identity. Any social media and engagement posts done on the partners' own websites will not be checked in advance.

All partners are expected to report their communication activities in the dedicated reporting sheet available on the **Bio4HUMAN** SharePoint.

2.5 Procedure for dissemination activities

According to Article 17, Annex 5 of the Grant Agreement partners “**must disseminate their results as soon as feasible in a publicly available format, subject to any restrictions due to the protection of intellectual property, security rules or legitimate interests.**”

Moreover, if a partner wishes to disseminate their results they must inform the consortium at least 15 days in advance (unless agreed otherwise) and include sufficient information on the results they intend to disseminate. Any other partner of the consortium is entitled to object within (unless agreed otherwise) 15 days of being notified so long as they can prove that their legitimate interests regarding the results would be significantly harmed. In such a case, results cannot be disseminated until appropriate steps are taken to safeguard such interests.

3. Project results

To plan for an effective dissemination, communication and exploitation strategy, the first step is to have a clear understanding of the project's main outputs. In this context, “**results**” are defined under Article 16 of the project's Grant Agreement as “**any tangible or intangible effect of the action, such as data, know-how or information, whatever its form or nature, whether or not it can be protected, as well as any rights attached to it, including intellectual property rights.**”

Bio4HUMAN's expected results are listed as follows:

- State of the art on existing innovative bio-based products and systems (solutions) for SWM at the level of diverse humanitarian contexts.
- A list of innovative bio-based products and systems (solutions) with LCA methodologies for SWM applicable to diverse humanitarian contexts included in the replication roadmap.
- The tools for socio-economic and governance aspects of bio-based solutions previously identified are tested and evaluated.
- Set of guidelines, recommendations, and tools on environmental, economic, and social aspects for SWM to be used by policymakers, bio-based sector actors, humanitarian aid practitioners, and the scientific community for scale-up and replication purposes.

- The raised awareness of the need for humanitarian and inclusive innovations contributing to circular and sustainable goals.

Achieving the abovementioned results, as well as disseminating and communicating them to the target audiences will attain the following outcomes:

- Scoping exercise and LCA's contribution to the identification of sustainable and applicable bio-based solutions for a variety of humanitarian conditions (with different environmental, social, and economic conditions), including covering the technical aspects such as the reduction of the amount of un-recyclable packaging, guarantee of hygienic and food security, waste management solutions on site.
- BIO4HUMAN's replication roadmap will contain practical tools that will allow to address waste management and waste-related issues in diverse humanitarian aid contexts (different SWM scenarios, different local conditions). It will encourage active community participation in SWM and eventually lead to community empowerment in resolving the complexity of SWM.
- Followingly, the implementation of bio-solutions identified in Bio4HUMAN will have a positive direct effect on the reduction of waste (plastic, paper, agricultural waste) disposed in the various types of environments where humanitarian aid is delivered.

Finally, achieving these outcomes will, in turn, contribute to minimising environmental impacts within humanitarian projects, and strengthen the social and economic resilience and sustainability of waste management solutions. The long-term impacts of these outcomes are expected to influence the social, economic, scientific, and environmental spheres.

4. Target audiences

Bio4HUMAN targets two main groups of stakeholders, namely humanitarian stakeholders and bio-based stakeholders. These stakeholder groups are divided into four categories using the Quadruple helix methodology as outlined in deliverable D 3.1 Stakeholder Analysis.

Table 2: Target groups categorisation

Category	Description
Industry	Bio-based and bio-based/bio-economy actors based in Europe and potential producers of bio-based solutions, and companies involved in solid waste management (SWM) in the Democratic Republic of Congo (DRC) and South Sudan.

Academia	Researchers and laboratories that focus on bio-based solutions/circular economy and SWM in the humanitarian sector and Horizon Europe consortia.
Community	Community members and leaders in DRC and South Sudan and Humanitarian Actors such as international/national humanitarian NGOs/UN, clusters, and donors.
Government and policymakers	<u>EU level</u> Policymakers in charge of humanitarian aid development, waste management, circular economy, and environmental protection.
	<u>DRC and South Sudan level</u> National, provincial and municipal levels.

The information in the table above is in accordance with deliverable D3.1 Stakeholder Analysis which was led by People in Need (PIN).

Whilst all stakeholder groups presented above are relevant audiences and users of the project's results, some are more important than others with regard to the long-term success of the project. According to the Stakeholder Analysis, to establish that, the power-interest grid was applied to stakeholders present in the categories above to further categorise them based on power and interest.

In this sense, stakeholders were categorized as either key, important, or other. The Stakeholder Database developed for deliverable D3.1 shows that each of the four categories identified (industry, academia, community, government and policymakers) contains at least one key stakeholder.

4.1 Key messages

Key messages have been elaborated for each of the stakeholder categories outlined above. The messages will constitute a basis of Bio4HUMAN's communications strategy and will influence how the project aims to communicate with the different groups.

Table 3: Key messages

Stakeholder Category	Key Messages
Industry	<i>There is an interesting, promising, and growing market for your bio-based products, services, and systems. The humanitarian sector (global, international, national, and regional agencies and institutions) is aiming to tackle the environmental burdens of solid waste management connected to humanitarian actions. Your bio-based innovations aiming to replace the less</i>

	<i>sustainable products, services, and systems are potentially the right tools to deliver on this important "greening" mission of the humanitarian sector.</i>
Academia	<i>The intersections of the growing circular bio-economy sectors and the need of humanitarian actions and interventions are very welcoming areas of the potential R & D & I activities. As humanitarian institutions and agencies embark on the mission of reducing the solid waste connected to their intervention - the technological, societal, economic, environmental, and cultural aspects of this sustainability effort require scientific analysis.</i>
Community	<i>While being on the mission to make your humanitarian interventions more sustainable and environmentally friendly it is definitely advisable to notice the development and innovations offered by bio-based products, services, systems, and processes. They have the potential to replace the current - less environmentally friendly - solutions. The educational and informational activities must be part of these "greening" efforts in your communities and in the humanitarian value chains.</i>
Government and policymakers	<i>The humanitarian actors and agents may well profit from the ongoing paradigm of circular bio-economy. There is a need for administrative measures supporting the synergies between humanitarian actions and circular bio-economy developments. The public incentives encouraging all actors along the humanitarian value chains will benefit the environment at the global, national and regional levels.</i>

5. Communication

5.1 Objectives

The main objectives of **Bio4HUMAN's** communication activities are to reach out to target groups and to the public at large and aim at awareness-raising for the project and its activities by communicating the actions taken.

5.2 Activities

The table below outlines all communication activities to be undertaken by the project. Enspire Science will ensure that all materials below will be provided. The Key Performance Indicators for each of the activities listed below will be elaborated on in Chapter 9 of this document.

Table 4: Communication activities

Activity	Target Groups	Objectives
Project branding	All target groups	To create a unique, visible, and memorable brand for Bio4HUMAN used across all platforms. All branding activities are listed in detail in the “Branding” subchapter of the Communication chapter.
Project website	All target groups	To build the project's reputation on the online space, and expand the potential of the project results to reach out to as many policymakers and stakeholders as possible, thus increasing the potential adoption and uptake of the best practices.
Social media channels	All target groups	<p>To build the project's reputation in the online space, and expand the potential of the project results to reach out to as many policymakers and stakeholders as possible, thus increasing the potential adoption and uptake of the best practices.</p> <p>Below is a list of all of the project’s social media channels currently in use:</p> <p>LinkedIn: https://www.linkedin.com/company/bio4human/</p> <p>Instagram: https://www.instagram.com/bio_4_human/</p> <p>Twitter/X: https://x.com/bio_4_human</p>

Project Newsletter	All target groups	To inform the Bio4HUMAN's audience of project results and any other relevant information regarding the project.
Three promotional videos	All target groups	The first promotional animated video will offer a visual, easy-to-grasp description of the project, including its objectives, activities, and benefits for stakeholders across Europe and beyond. In the middle of the project, the consortium will create a video that informs of the preliminary project results and in the end, Bio4HUMAN will create a video that supports the exploitation of project results.
Mainstream media materials	All target groups	These materials will outline project outcomes and results and will primarily target opinion-leading media and highly influential European newspapers as well as media covering social and environmental issues and media operating on national and regional levels, utilising existing networks already established by the project partners.
Press conferences and press releases	All target groups	Organized by way of stationary Bio4HUMAN consortium meetings with the potential to garner indirect national coverage.

Branding

The first stage of communication activities in the **Bio4HUMAN** project was the creation of the project's branding. Project branding is crucial to ensure that the project is recognisable and has a pleasing visual identity across all platforms. To that end Enspire Science ensured the creation of:

- A project logo with alternate versions

- Branded templates for Microsoft Word and PowerPoint
- A 1-pager to be used when advertising the project to stakeholders
- A project leaflet to be used when advertising and/or representing the project during events and conferences
- A project banner to be displayed when representing the project during events and conferences

We will use digital versions of the 1-pager, project leaflet, and banner whenever possible as more sustainable versions of our branding.

Images showcasing all branding materials are available in Annex 1 of the document.

Website

The main communication channel of the **Bio4HUMAN** project will be through the project's website. The website was developed by Enspire Science and is hosted on the following domain: <https://bio4human.eu>

The website was launched on 30 April 2024, and contains the following pages:

- A **Homepage** containing a short overview of the projects, its vision, partners and highlights
- A **Project** page containing more in-depth information about the project and its objectives. Additionally, this page links to a dedicated page for the project's work packages.
- A **Consortium** page containing descriptions of the partner organisations involved in the **Bio4HUMAN** project.
- A **News and Events** page where the latest news about the project is shared, and relevant events are showcased.
- A **Resources** page where we will publish all of the project's public deliverables.
- A **Contact Us** page containing a contact form that can be used to get in touch with the project coordinators and communication responsible.

An image showcasing the homepage of the website is available in Annex 1 of the document.

6. Dissemination

6.1 Objectives

The main objectives of **Bio4HUMAN's** dissemination activities are to increase the engagement of all target groups in the formulation of a set of recommendations and to support the dissemination of best practices. The set of recommendations contains practical tools to address further R&D&I needs and socioeconomic considerations that will showcase the growing potential of bio-based products and systems usage across diverse humanitarian contexts, and are outlined as

below:

1. A set of 4 policy briefs introducing the application potential of the bio-based solutions and options identified targeting 4 different groups of EU-level and national-level policymakers (appropriate committees, commissions, regulatory bodies, and agencies)
2. Recommendations and guidelines directed at the bio-based sector targeting multiple bio-based industries and academia stakeholders while also encompassing collaboration and partnership recommendations with humanitarian sector actors in the form of a Research Agenda.
3. Guidelines and recommendations directed at humanitarian aid operators that will target three groups of humanitarian actors:
 - a. Humanitarian aid operators
 - b. Humanitarian aid donors
 - c. Global and national WASH and Logistics clusters

6.2 Activities

Enspire Science, in cooperation with all project partners, will oversee the implementation of the activities outlined in the table below. The Key Performance Indicators for each of the activities listed below will be elaborated on in Chapter 9 of this document.

Table 5: Dissemination Activities

Activity	Target Groups	Objectives
Workshops for humanitarian sector actors	Humanitarian aid organisations Humanitarian donors	Include the humanitarian sector in the co-development of project results (needs definition, stakeholder identification, evaluation of socio-economic and governance aspects of identified solutions).

Workshops for the biotech and bio-manufacturing industry	Bio-based sector Bio-Based SMEs Business chambers	Informing the biotech and bio-manufacturing sectors of the identified needs of the humanitarian sector and the potential market opportunities therein.
Policy recommendations for the international and national, governmental bodies and their policymakers	Policymakers on EU (EC, EU-aid), national and regional level	Provide decision-makers with evidence-based and high-quality information that can be used to create new or adjust existing SWM policies in humanitarian settings.
Open access publications in scientific journals	Scientific community (both in bio-sector and in humanitarian aid sector) Humanitarian NGOs Clusters	Provide the scientific and expert community with the knowledge created during the project and encourage them to further explore the potential application of the solutions identified for research purposes as well as the development of new knowledge.
Publications in magazines and newspapers	EU and national	To publish articles and interviews describing Bio4HUMAN's work and connect with relevant stakeholders across Europe.
Trade publications and trade shows	Bio-based SMEs Business chambers	To reach out to the innovators and entrepreneurs of the community making the case for the important but not always obvious influence the bio-based solutions may have in the humanitarian context.

One-on-one meetings with selected companies and entrepreneurs	Bio-based industry Bio-based SMEs Business chambers	Organising one-on-one meetings with relevant companies and entrepreneurs to present the needs of the humanitarian sector and highlight the potential market opportunities for new bioproducts, biosystems, and biotechnologies.
Presentation of the results in scientific conferences, international conferences and local events	Bio-based industry Humanitarian studies	To establish the project's networks with specialist audiences and discuss with them the project results, with stress given to the discussion on the potential implementation of solutions identified.
Synergies with other relevant projects and initiatives	All target groups	Increase the impact of dissemination actions by bundling activities, pooling good practices and leveraging the networks of fellow projects.

External events and conferences

As mentioned in the table above, the Bio4HUMAN partners will attend various events, conferences, and workshops to share the results of the project and raise awareness among potential stakeholders. The table below showcases the preliminary list of key conferences and events identified. The list of events will be updated periodically throughout the project.

Table 6: External events and conferences list

Event name	Location	Date
Humanitarian Networks and Partnerships Week	Geneva, Switzerland	29 April – 10 May 2024
ESCAPE34-PSE24	Florence, Italy	2 – 6 June 2024

39th EMS Summer School	Louvain-la-Neuve, Belgium	10 – 14 June 2024
Plastics Recycling Show Europe	Amsterdam, Netherlands	19 – 20 June 2024
9 th EuChems Chemistry Congress	Dublin, Ireland	7 – 10 July 2024
4 th Global Conference on Polymers, Plastics and Composites (PPC-2024)	Paris, France	11 – 12 July 2024
27 th International Congress of Chemical and Process Engineering (CHISA 2024)	Prague, Czech Republic	25 – 29 August 2024
19 th SDEWES Conference	Rome, Italy	8 – 12 September 2024
14 th European Symposium on Biochemical Engineering Sciences	Copenhagen, Denmark	21 – 23 October 2024
SETAC Europe 26 th LCA Symposium	Gothenburg, Sweden	21 – 23 October 2024
AidEx 2024	Geneva, Switzerland	24 October 2024
AMI - Plastics Recycling Technology	Vienna, Austria	24 October 2024
The Greener Manufacturing Show	Köln, Germany	13 – 14 November 2024
ECOFIRA/ECO-CHEMICAL	Valencia, Spain	19 – 20 November 2024
EUROPEAN BIOPLASTICS CONFERENCE	Berlin, Germany	10 – 11 December 2024
The Biannual Conference of the Royal Society of Chemistry	Bilbao, Spain	July 2025
Humanitarian Networks and Partnerships Week	TBD	2025
European Humanitarian Forum	TBD	2025
World Bio Market	TBD	2025
AidEx 2025	TBD	2025

As the project is still ongoing, the list above will be updated regularly to better reflect **Bio4HUMAN's** attendance at such events and conferences.

6.3 Open Access publishing

The Bio4HUMAN project will publicly share as much information as possible without risking the intellectual property of any partners. Open access to peer-reviewed scientific publications related to the project's results will be ensured.

To ensure that public results are easily accessible, the following channels have been established to publish said results:

1. **Project website** – all public documents will be published on the project website as soon as they are available (<https://bio4human.eu>). To that end, a Resources page has been created to collect all these documents in an organised manner.
2. **Zenodo platform** – Zenodo is a catch-all repository for EU-funded research. A Bio4HUMAN Zenodo community (<https://zenodo.org/communities/bio4human/>) has been created in order to gather all project outcomes and ensure their long-term, availability.
3. **Open Research Europe platform** - Open Research Europe is an open access publishing platform for European Commission-funded researchers across all disciplines.

Deliverable D1.2 Data Management Plan further expands on the project's Open Access strategy.

7. Exploitation

7.1 Objectives

The main objectives of the project's exploitation activities are to ensure a long-lasting and sustainable future for the suggested solutions and to ensure that the project's results will be used in further research and innovation activities as well as in relevant environments.

7.2 Exploitation paths

Disseminating the results to the target audiences identified in Chapter 4 of this plan will and encouraging them to use the project's results further, will enable **Bio4HUMAN** to promote the exploitation paths outlined below:

- **Further internal scientific research** – the results generated by **Bio4HUMAN** can be used to further research in the fields of bioeconomy and humanitarian action regarding the applicability and circularity of bio-based solutions in the humanitarian aid context.
- **Collaborative projects and actions** – the project results will encourage project partners, their networks, and stakeholders of the project to build and contribute towards future initiatives and actions funded under EU/national/regional grants. To that end, **Bio4HUMAN** will maintain a stakeholder database beyond the end of the project to facilitate relevant post-project initiatives.
- **Replication of the project's solutions** – by identifying and openly publishing the list of bio-based solutions for SWM, and directly distributing it to target groups, the project will encourage stakeholders to further explore the

feasibility of the bio-based solutions identified based on specific context but also piloting the implementation and scaling up the appropriate solutions.

- **Engagement with policymakers** – the results of the project could have the potential to be implemented into future and existing policies on SWM under humanitarian conditions. A way to facilitate this may be through a set of targeted activities and policy recommendations aimed at policymakers in relevant fields.
- **Engagement with communities** – The humanitarian organisations may take upon the project results and lead the engagement on three levels:
 - Providing support for NGOs actively involved in organising humanitarian actions by potentially sharing practical solutions for better waste management, providing relevant training, and information sessions in the form of workshops on the usage of the research and related documents.
 - Engaging with private businesses in areas of humanitarian operations as well as encouraging them to use the proposed solutions when creating scalable business models.
 - Potentially conducting focus groups directly with community members and community leaders where the solutions would be piloted.
- **Environmental protection activities** – the project's results will be used to promote better environmental protection during humanitarian interventions and to create a more sustainable future for the locations where humanitarian aid is deployed. To this end, the project results will be vastly disseminated, and the project will engage with environmental decision-makers, initiate collaborations with advocacy groups, and encourage scientific experts to conduct follow-up research.

7.3 Management of Intellectual Property Rights (IPR)

The strategy regarding the management of Intellectual Property ensures that results will be exploitable by the consortium members and by third parties.

The strategy will be based on the procedures and agreements featured in the Consortium Agreement and the Grant Agreement of the **Bio4HUMAN** project.

The IPR management will function according to the following rules regarding ownership, protection of results and exploitation, as outlined in the project's Grant Agreement:

1. Results are owned by the partner that generates them
2. Results may be owned jointly if:
 - a. It is impossible to establish the respective contribution of each beneficiary;
 - or
 - b. It is impossible to separate them for the purpose of applying for, obtaining, or maintaining their protection.

3. Partners must protect their results, if possible and justified, whilst also taking into account all relevant considerations including prospects for commercial exploitation, the legitimate interests of the other partners and any other legitimate interests.
4. Partners must use their best efforts to exploit their results directly or indirectly using another entity for up to four years after the end of the action.

Intellectual property issues will be regularly discussed during **Bio4HUMAN** consortium meetings to ensure that any potentially exploitable intellectual property is identified and protected.

8. Networking activities

8.1 Objectives

The main objectives of **Bio4HUMAN's** networking activities are to create synergies and collaborations with other projects and initiatives, to ensure the update and continuation of the project's research efforts as part of the project's exploitation activities, and lastly, to reach out to the EC knowledge Centre for Bioeconomy to explore the potential for synergy creation with regards to policy making and networking activities.

8.2 Key collaborators

As outlined by task T7.4 within WP7 of the project, **Bio4HUMAN** is expected to initiate collaborations with relevant ongoing projects, relevant projects that will be funded in the future, and national initiatives and projects across EU MSs and Acs. Additionally, Bio4HUMAN will organize a set of clustering activities with the other project covered under the same topic, HORIZON-CL6-2023-CircBio-01-6.

BioEast HUB CZ leads task T7.4, however, all partners are expected to contribute to these efforts through their networks.

Below is a list of projects that have been identified for collaboration so far.

Table 7: Project collaborations list

Project Acronym	Full Name	Duration
WORM	Waste in humanitarian Operations: Reduction and Minimisation	1 January 2024 – 31 December 2025
CIRCLEUP	100 Households, 100 Circular Stories: Inspiring Sustainable Living in Europe	1 January 2024 – 31 December 2027
K-CCRI	Knowledge hub to leverage existing initiatives and projects to foster the	1 January 20204 – 31 December 2026

	adoption of Circular economy in Cities and Regions In Europe	
PlastLIFE	Re-thinking plastics in a sustainable circular economy	1 December 2022 - 30 November 2029
INN-PRESSME	open INNovation ecosystem for sustainable Plant-based nano-enabled biomateRials deploymEnt for packaging, tranSport and conSuMEr goods	1 January 2021 - 31 January 2025
UPLIFT	sUstainable PLAstics for the Food and drink packaging indusTry	1 March 2021 - 28 February 2025
BioSupPack	Demonstrative process for the production and enzymatic recycling of environmentally safe, superior and versatile PHA-based rigid packaging solutions by plasma integration in the value chain.	1 June 2021 - 31 March 2026
CALIMERO	Industry CAse studies anaLysis to IMprove EnviRONmental performance and sustainability of bio-based industrial processes	1 July 2022 - 30 June 2025
Bio4Africa	Diversifying revenue in rural Africa through circular, sustainable and replicable bio-based solutions and business models	1 June 2021 - 31 May 2025
ALPINTER	Alpinter was founded in 1988, and since their inception they have been dedicated to creating adapted shelter and core relief solutions that serve clients and beneficiaries in different emergency situations around the world. They are internationally recognised as a specialist in the research, development, manufacture and distribution of shelter and core relief items.	

In addition, the project sets the cooperation with the following two initiatives:

WREC Cluster	The Environmental Sustainability in Humanitarian Logistics project aims to reduce and manage the harmful consequences of humanitarian logistics and supply chain induced waste and pollution in a focused and sustained manner over an initial period of two years, starting from February 2021. The project seeks to do so through the application of circular economy principles related to logistics-induced waste and pollution, including both relief items as	
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	well as pollution caused by humanitarian presence.	
Joint Initiative	Convened and funded by USAID, the Joint Initiative On Sustainable Humanitarian Assistance Packaging Waste Management - EECentre, brings together 23 humanitarian actors from the UN system, NGOs, and bilateral and multilateral donors to reduce the negative environmental impacts of humanitarian action, with a focus on packaging waste.	

The abovementioned list will be continuously updated throughout the duration of the project.

Our sister project – WORM: Waste Management Challenges in Humanitarian Operations

WORM aims to design guidelines and support actions for circular economy in the humanitarian sector. Following a collaborative and multi-actor approach, WORM brings together medical and humanitarian organisations, procurement service providers, logistics providers, waste management services, and academic partners.

WORM focuses on several cross-cutting focus areas in the context of field hospital deployments, and humanitarian livelihood programmes with a waste-picking component:

- To identify and integrate bio-based solutions in the humanitarian context for waste treatment
- To use the full potential of sustainable procurement as a gatekeeper for waste avoidance and gateway for innovative solutions implementation
- To propose safer and more environmentally responsible waste treatment methods
- To enhance local awareness of improved waste management through targeted and community-based campaigns
- To provide guidelines and policy recommendations for reducing the environmental impact and maximizing the socio-economic effects of humanitarian operations

Bio4HUMAN aims to develop a series of clustering events with WORM which will be further outlined and detailed in future versions of the project’s Dissemination, Communication and Exploitation plan.

8.3 Multiplier platforms and networks

One way to facilitate networking is through the usage of multiplier platforms. To that end, we have identified the following list of platforms and networks:

- **Climate-ADAPT** - <https://climate-adapt.eea.europa.eu/en/network/organisations>
- **Zero Pollution Stakeholder Platform** - https://environment.ec.europa.eu/strategy/zero-pollution-stakeholder-platform_en
- **EU CAP Network** - https://eu-cap-network.ec.europa.eu/index_en
- **Humanitarian Practice Network** - <https://odihpn.org/>
- **European Circulareconomy Stakeholder Platform** - <https://circulareconomy.europa.eu/platform/en>
- **HULO Network** - <https://hulo.coop/>

8.4 Activities

To maintain a collaboration with the actors listed above, the following activities will be conducted:

- **Initial contact to introduce the project** – direct contact will be made with the key collaborators mentioned above to introduce the project and suggest possible ways to collaborate.
- **Cross-promotion of activities** – **Bio4HUMAN** will feature news from the key collaborator through the project's social media and newsletter.
- **Joint organisation of events** – when planning **Bio4HUMAN** events, the project will take into consideration the possibility of organising such events in collaboration with one or more of the key collaborators.
- **Event speaking** – Bio4HUMAN will invite experts from the key collaborators to speak at the project's events, and conversely, Bio4HUMAN experts will be available to speak at events organized by key collaborators.

Due to the project's nature, we will initiate the engagement of projects covering topics like bio-economy/biomaterials, sustainability assessment and environment, and humanitarian activities.

9. KPI's and monitoring

The Key Performance Indicators (KPIs) for dissemination and communication activities have been developed during the proposal writing phase and are therefore presented in the **Bio4HUMAN** Grant Agreement.

Below are two tables outlining the expected KPIs for dissemination and communication activities.

Table 8: *Dissemination results KPIs*

Activity	Target Groups	Objectives	KPIs
Workshops for humanitarian sector actors	Humanitarian aid organisations Humanitarian donors	Include humanitarian sector in the co-development of project results (needs definition, stakeholder identification, evaluation of socio-economic and governance aspects of identified solutions).	3 workshops for humanitarian aid organisations 3 workshops for humanitarian aid donors
Policy recommendations for the international and national, governmental bodies and their policy makers	Policy makers on EU (EC, EU-aid), national and regional level	Provide decision makers with evidence-based and high-quality information that can be used to create new or adjust existing SWM policies in humanitarian settings.	4+ policy briefs
Open access publications in scientific journals	Scientific community (both in bio-sector and in humanitarian aid sector) humanitarian NGOs	Provide the scientific and expert community with the knowledge created during the project and encourage to further explore the potential application of the Solutions identified for research purposes as well as the development of new knowledge.	5+ publications in open access journals

	Clusters		
Publications in magazines and newspapers	EU and national	To publish articles and interviews describing Bio4HUMAN's work and connect with relevant stakeholders across Europe.	4+ publications during project duration in highly influential magazines and newspapers
Trade publications and trade shows	Bio-based SMEs Business chambers	To reach out to the innovators and entrepreneurs of the community making the case for the important but not always obvious influence the bio-based solutions may have in the humanitarian context.	2+ articles in highly visible trade publications of the bio-based and circular economy sectors 2+ presentations as part of trade shows that bioindustry Partners participate in
Presentation of the results in scientific conferences	Bio-based industry Humanitarian studies	To establish project's networks with specialist audiences and discuss with them the project results, with stress given to the discussion on potential implementation of solutions identified.	Results presented during minimum 3 scientific conferences
Synergies with other relevant projects and initiatives	All target groups	Increase the impact of dissemination actions by bundling activities, pooling good practices and leveraging the networks of fellow projects.	8+ projects engaged (including the project funded under the same topic)

			3+ joint events
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Table 9: *Communication of results KPIs*

Activity	Target Groups	Objectives	KPIs
Project website	All target groups	To build the project's reputation on the online space, and expand the potential of the project results to reach out to as many policymakers and stakeholders as possible, thus increasing the potential adoption and uptake of the best practices.	8,000 unique website visitors over the project's lifecycle 3 surveys sent out to website visitors (SurveyMonkey, Qualaroo) in M10, M20, and M30 of the project
Social media channels	All target groups	To build the project's reputation on online space, and expand the potential of the project results to reach out to as many policymakers and stakeholders as possible, thus increasing the potential adoption and uptake of the best practices.	1500 viewers combined
Three promotional videos	All target groups	The first promotional animated video will offer a visual, easy-to-grasp description of the project, including its objectives, activities, and benefits for stakeholders	2000 views combined

		across Europe and beyond. In the middle of the project, the consortium will create a video that informs of the preliminary project results and in the end, Bio4HUMAN will create a video that supports the exploitation of project results.	
Mainstream media materials	All target groups	These materials will outline project outcomes and results and will primarily target opinion-leading media and highly influential European newspapers, utilising existing networks already established by the project partners.	20 media hits

The progress of these deliverables will be monitored by Enspire Science using a shared spreadsheet documenting each partner's contribution to dissemination and communication activities.

If, for any reason, the project is unable to achieve one or more of the KPIs outlined above, the partners will devise a strategy together to get back on track.

The final progress towards the KPIs mentioned above will be reported as part of deliverable D8.3 – Dissemination and communication impact report, due in M30 of the project.

Annex 1

The purpose of this annex is to showcase screenshots of communication materials used throughout the project in an organised manner.

Full logo (black and white versions):



Icons (black and white):



Figure 3: Bio4HUMAN full logo and icon



Deliverable title

Deliverable subtitle

Due date: DD/MM/YYYY

Responsible partner: Partner's
ACRONYM



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Figure 4: Bio4HUMAN Microsoft Word template cover



Title of the presentation

Name and Partner ACRONYM

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Thank you!

Name and contact of the presenter

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Figure 5: Bio4HUMAN Microsoft PowerPoint opening and closing slide

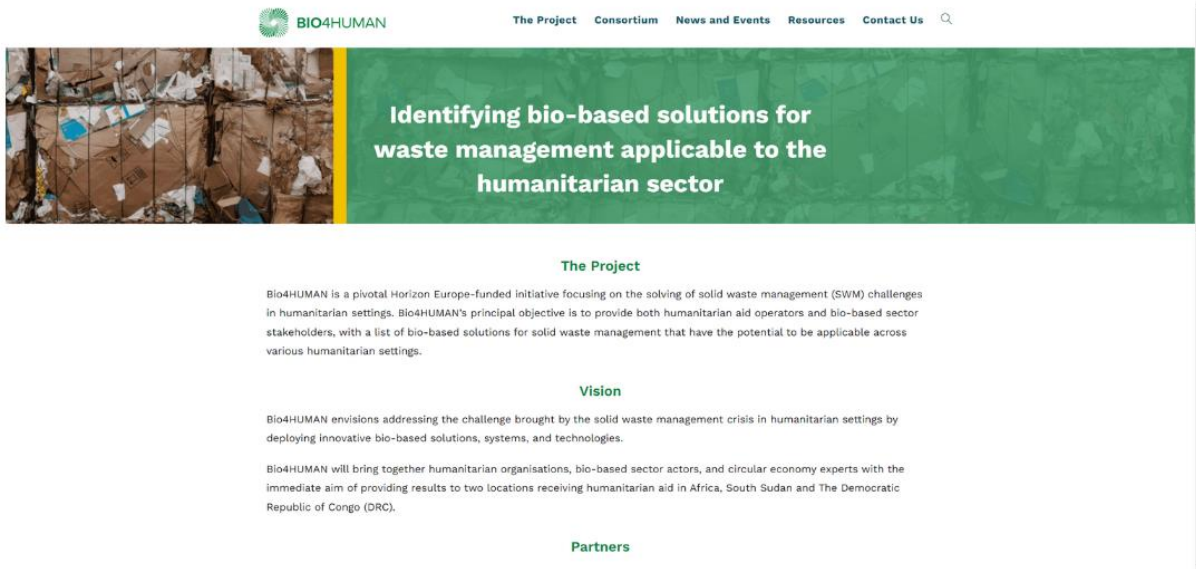


Figure 6: Bio4HUMAN website homepage