



Al-Enabled Data Lifecycles Optimization and Data Spaces Integration for Increased Efficiency and Interoperability

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¹ Due to the nature of this deliverable, all PLIADES partners have provided feedback and revisions.



Executive Summary

This document reports the dissemination and communication activities undertaken up to December 2024 (M12) as part of the PLIADES project. These activities align with Task 8.1 "Dissemination Plan and Marketing & Promotional Material" and Task 8.2 "Dissemination and Communication Activities including portal & social media presence" under Work Package 8: "Dissemination & Exploitation, Standardization and Liaison".

The report details the creation and implementation of visual identity elements, the use of various dissemination channels (e.g., web portal, social networks, newsletters, and publications), and the synergies established with other projects. Progress against predefined performance indicators is also outlined, offering insights into the reach and impact of these activities.

The last part of the report outlines the activities that will lead to the development of the PLIADES training program, reporting activities of T8.5. The training program will be focused on educating the current (and future) end users of the PLIADES ecosystem on data security issues. The material for the training content will be closely related to the PLIADES developments that negotiate data security topics or are focused on data security implementations, so that it can act as a means of disseminating the project's solutions at the same time. Potential questions/doubts/concerns of the future end-users will be addressed with the developed training content.

In this section of the document, the initial plan that has been designed for the creation of the training content is presented, outlining the next actions and foreseen timeline for the completion of each step. Surveys and desk research results will be used to decide on specific learning objectives for the target audiences. Iterations and improvements are foreseen, as the training content and selected training method will be validated within the consortium partners at first, before sharing it with external endusers.



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List of Terms and Definitions

Table 1. Definitions

Abbreviation	Definition
KERs	Key Exploitable Results
KPIs	Key Performance Indicators
SEO	Search Engine Optimisation



1 Introduction

1.1 Scope of the deliverable

Deliverable D8.2, titled "Dissemination and Communication Activities Report (v1)", provides an overview of the dissemination and communication activities carried out within the PLIADES project during its first year. These activities have been guided by the Dissemination and Communication Plan outlined in Deliverable D8.1. The overarching goals include:

- Raising awareness about the project's objectives, methodologies, and results among diverse stakeholders, including policymakers, industry leaders, academic researchers, and the general public.
- Establishing robust communication channels to keep stakeholders informed and engaged.
- Maximising the project's visibility and accessibility to its target audience.
- Encouraging the adoption and practical application of PLIADES innovations.
- Creating strategies to ensure long-term impact and scalability of the project's outcomes beyond its duration.

1.2 Relation to other Activities and Deliverables

The dissemination and communication activities in D8.2 are aligned with other key deliverables and activities within the PLIADES project to ensure consistency and effectiveness. Below are the key connections:

- D8.1 (Dissemination and Communication Plan): The activities in D8.2 follow the strategy, objectives, and KPIs set in D8.1, ensuring that dissemination efforts remain focused and aligned with the project's goals.
- Exploitation Strategy (D8.3, D8.4): Dissemination in D8.2 helps pave the way for future exploitation by raising awareness of Key Exploitable Results (KERs). These efforts will support the exploitation pathways to be defined in D8.3 and D8.4, thereby increasing visibility and interest in project outcomes.
- Online Presence (website, social media, newsletters): The project's website, social media, and newsletters are key tools for promoting events, publications, and KERs. D8.2 tracks the effectiveness of these channels, ensuring continuous improvement.
- Contributions from Other Work Packages (WPs): As the project progresses and more results become available, dissemination activities will draw on content from WPs 3, 4, 6, and 7. This will include technical outputs from pilots, privacy-preserving methods, and Key Exploitable Results (KERs).
- Training and Capacity Building (D8.5, D8.6): Early awareness-raising activities from D8.2 support engagement for the later training deliverables (D8.5, D8.6) by building an audience and informing stakeholders about PLIADES results.

This interconnected approach strengthens the project's outreach, ensuring all dissemination activities contribute to broader project objectives and support future exploitation.

1.3 Document Structure

This deliverable is structured as follows:

Chapter 1. Introduction: Details the scope and structure of the report.



- Chapter 2. Dissemination activities: Discusses the branding, dissemination channels, collaborations, and efforts across various platforms.
- Chapter 3. Performance indicators and monitoring: Presents the key performance indicators (KPIs) for dissemination and communication, along with progress towards achieving these targets.
- Chapter 4. Training programs initial plan and guidelines: Outlines the plan for the development of training programs related to the dissemination of knowledge and results generated by the PLIADES project.
- Chapter 5. Conclusions: Summarises the outcomes and suggests areas for improvement.
- Chapter 6. Appendix: Includes supporting materials, such as templates for deliverables, presentations, newsletters, and a list of dissemination activities.



2 Dissemination activities

2.1 Project Identity and Branding

A distinct graphical identity has been designed for PLIADES to ensure consistent and professional branding across all dissemination materials. This includes the creation of a project logo, a colour palette, and templates for presentations, deliverables, and promotional materials. These elements serve to enhance recognition of the PLIADES project among stakeholders and ensure a unified presentation of the project's activities.

2.1.1 Logo

A visually appealing logo was designed to serve as the cornerstone of the PLIADES project's branding.

It has been prominently featured across all project-related platforms and documents, including the website, social media, deliverables, presentations etc. The logo's consistent use enhances the visibility of PLIADES activities, creating a cohesive and recognisable visual identity.



Figure 1. PLIADES project logo

Primary Colours: The logo incorporates a specific palette that reflects the project's values and objectives.

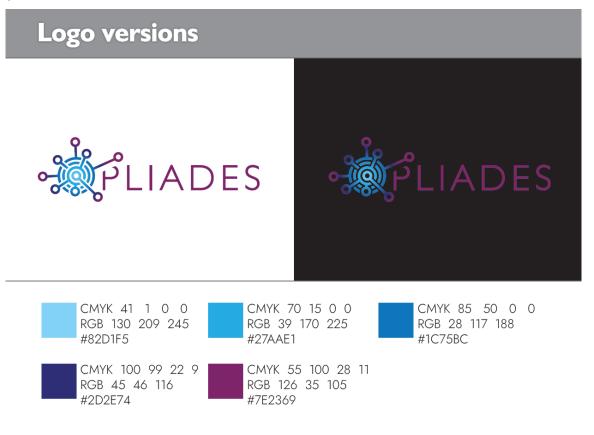


Figure 2. PLIADES logo colour pallet



Variations: Multiple logo variations were developed to ensure adaptability across different backgrounds and formats.



Figure 3. PLIADES logo in different backgrounds

2.1.2 Templates

To maintain uniformity in all communications, standardised templates were developed for project documentation, presentations, and newsletters. These templates, aligned with PLIADES branding, were distributed to all consortium partners to ensure consistency throughout the project lifecycle.

Especially, these templates include:

- Document template (see Section 6.1): A template for deliverables and reports, featuring the PLIADES logo and colour scheme to ensure a professional and consistent layout.
- PowerPoint presentation template (see Section 6.2): Designed for workshops, conferences, and internal meetings, the slide deck reflects the project's branding while accommodating diverse content needs.
- Newsletter template (see Section 6.3): A user-friendly and mobile-responsive format designed for periodic updates, ensuring compatibility with various devices for maximum accessibility.

By utilising these templates, the PLIADES consortium ensures that all project outputs are cohesive, professional, and aligned with the project's visual identity.

2.2 Marketing Pack and Promotional Press Kit

To effectively communicate the PLIADES project's objectives and progress, a comprehensive marketing pack and promotional press kit have been developed. These materials ensure consistent messaging and provide visually engaging resources for dissemination.



2.2.1 Leaflet

A project leaflet was created for distribution at conferences, workshops, and within partner organisations. This leaflet provides a clear and concise overview of PLIADES, helping to engage a broader audience. It provides a concise overview of the PLIADES project, including:

- The project's aims and objectives.
- A summary of its case studies.
- Information about the consortium partners.
- Key project data, including EU funding acknowledgements, contact details, and links to the
 official website and social media.

Future iterations of the leaflet will focus on presenting the project's outcomes and results, with updated versions planned for the final six months of the project.

The following figures show an image of both sides of the leaflet.



Figure 4. Slide A of the PLIADES leaflet



Mission PLIADES stands for an advanced Al-enabled framework for Full Data Lifecycles Optimisation and Data Spaces Integration. Our mission is to revolutionize how data is utilised across various sectors, from mobility to healthcare, manufacturing to energy, and beyond. PLIADES envisions a future where diverse sectors are seamlessly interconnected, enhancing efficiency and interoperability. We aim to provide cutting-edge data and services that drive advancements in Cooperative, Connected, and Automated Mobility (CCAM), Advanced Driver Assistance & Autonomous Driving (ADAS/AD), and Human-Robot Interaction (HRI).

Objectives

The specific objectives of PLIADES are to:

- Research and develop novel models, abstractions, and methods for environmentally friendly, context- and human-factors-aware creation of vast amounts of data for mobility, green deal, energy, industrial and healthcare dataspaces.
- Advance data privacy, security, trustworthiness and sovereignty, enabling data owners to safely determine how their information is collected, stored and used.
- Promote advanced data decentralisation and further advance AI-boosted brokers.
- Generate advanced Data Spaces connectors to extend the scope of data spaces interoperability, encompassing full data life cycles into existing data reference architectures.
- Facilitate novel data processing and analytics services to ensure data privacy, trustworthiness, security, resilience, re-use and disposal.
- Deploy the proposed framework in diverse use cases, focusing on transportation, energy, manufacturing, healthcare and green deal sectors.
- Develop new business models that promote data sharing and re-use and establish synergies with other EU initiatives.



PLIADES outcomes will utilise different types of data spanning six use cases, focusing on diverse dataspaces, such as:

- data from smart vehicles to improve their ADAS/ AD & CCAM functions and energy management (mobility dataspace),
- patient/doctor HRI data to improve service robots' HRI effectiveness and patient data to improve diagnostic & prognostic clinical models for personalised medicine services (healthcare datasnace)
- manufacturing data to improve zero-waste manufacturing, predictive maintenance and HRI (industrial dataspace).





Figure 5. Slide B of the PLIADES leaflet

Available online: https://www.pliades-project.eu/pliades-brochure/

2.2.2 Poster

An A3 poster was developed (Figure 6) to visually summarise the PLIADES project. It highlights key messages, objectives, and consortium partners, serving as a focal point at events, workshops, and conferences. The poster is accessible online and will be updated periodically to incorporate the latest project developments.





AI-Enabled Data Lifecycles Optimization HIADES and Data Spaces Integration for Increased **Efficiency and Interoperability**

Mission

PLIADES envisions an advanced AI-enabled framework for Full Data Lifecycles Optimisation and Data Spaces Integration that will:

- interconnect diverse sectors such as mobility, healthcare, manufacturing, energy, and green deal increasing efficiency and interoperability
- provide data and services for improving car technologies like that drive advancements in CCAM, ADAS/AD and HRI, for robot operators and patients

Objectives

The PLIADES project aims to research and develop:

- novel AI-enabled tools for sustainable and humanfactors-aware data creation in diverse dataspaces,
- advanced data spaces connectors for extended interoperability across different data spaces,
- novel AI-boosted data brokers matching data consumers with data providers across different sectors utilising International Data Spaces - Reference Architecture Model (IDS-RAM),
- novel data processing and analytics services, ensuring data privacy, trustworthiness, security, re-use, and

Expected Impact

Scientific: Research and development of innovative tools and standards

that address critical challenges in data creation, storage, ownership, discovery, and disposal across diverse data

Societal: Produce greener data and enhanced services and products

- using advanced yet eco eco-friendly data processing methods for data generation,
- and improve everyday life through personalised healthcare products, smart vehicles, etc.

Economic/Technological: The deployment of the PLIADES framework aims to:

- reduce resource requirements for data acquisition,
- improve technological solutions and promote advancements across multiple industries, through the utilisation of vast amounts of high quality data,
- enable synergies between multiple data spaces for development of innovative technologies.

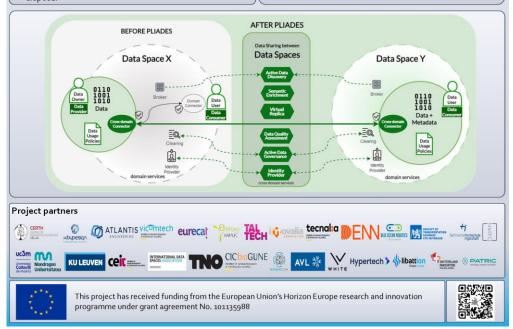


Figure 6. PLIADES poster

Available online: https://www.pliades-project.eu/pliades-poster/

2.2.3 Slide-based Presentation

To address the needs of diverse audiences, two types of slide-based presentations have been prepared:



- Short Standard Presentation: This Designed for a general audience, this concise deck introduces the project's objectives and activities (https://www.pliades-project.eu/pliades-presentation-project-overview/)
- Extended Presentation: A detailed version for technical experts, policymakers, and other specialised stakeholders. It provides in-depth insights into the project's methodologies and progress.

Both presentations are available in English and are regularly updated to reflect the project's latest achievements. They are distributed to all consortium partners for use at relevant events and engagements.

2.3 Dissemination channels

2.3.1 PLIADES website

The PLIADES project website (https://www.pliades-project.eu/) serves as the central hub for all information related to the project, ensuring a cohesive and accessible platform for dissemination and communication. The website is designed to cater to a wide range of stakeholders, including policymakers, industry professionals, academic researchers, and the general public. It aims to provide comprehensive and up-to-date information on the project's objectives, progress, results, and impact. The website is regularly updated with news, events, publications, public deliverables and multimedia resources, with direct integration to the project's social media channels (X and YouTube). Additionally, a "News" section has been implemented to share articles related to PLIADES and its broader objectives, written by project partners and contributors.

Website Development and Maintenance

During the first 12 months of the project, the following tasks were completed to establish and maintain the website:

- Booking the domain names and setting up IT infrastructure.
- Defining content and website structure.
- Publishing and regularly updating news, events, and project results.

Performance and Analytics

The website's performance has been monitored using analytics tools to assess its reach and user engagement.



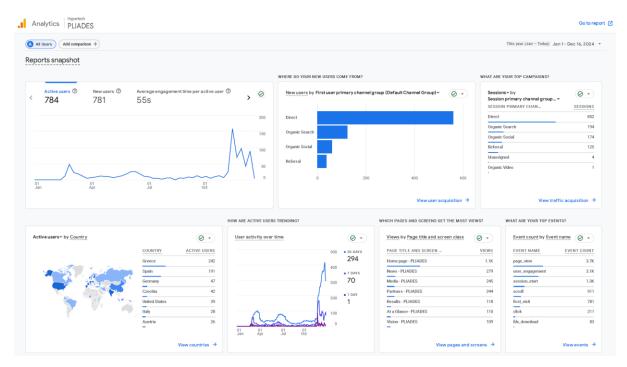


Figure 7. Website analytics

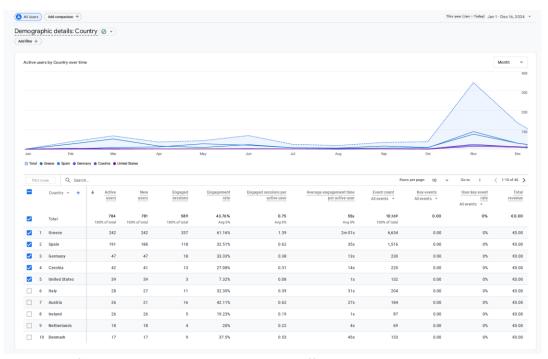
Some insights:

- Between February 2024 and December 2024, the website recorded 1.350 sessions from 781 unique users.
- Key user acquisition channels include:
 - o Direct traffic: 560 sessions.
 - o Organic search: 124 sessions.
 - o Social media referrals: 60 sessions.
 - Other referrals: 37 sessions.
- The most popular countries among our audience are Greece (242 users), Spain (191 users), Germany (47 users), Czechia (42 users), United States (39), Italy (28 users), Austria (26 users), Ireland (26 users) and Netherlands (18).
- The information on the most visited pages demonstrates that apart from the landing page which contains information about the project concept and objectives, visitors are mostly in the PLIADES "News" page, "Media" pages, where the dissemination material contained, and "Partners" page.

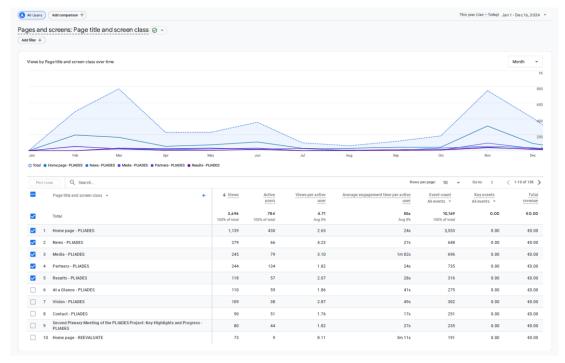
The following figures provide a visual representation of website statistics:

 Geographic distribution of users, highlighting the most active countries (e.g., Greece, Spain, Germany).





 Breakdown of the most visited pages, with high traffic observed on the landing page, News section, and Media page.



Cookies Manager

To ensure compliance with GDPR and the ePrivacy Directive, the PLIADES website incorporates a comprehensive Cookies Manager. This feature is designed to meet all legal requirements for managing cookies while prioritising transparency and user control.

According to GDPR and ePrivacy Directive regulations, websites must:

• Obtain users' explicit consent before using any cookies, except those strictly necessary for the website's operation.



- Provide clear and specific information about each cookie's purpose and the data it tracks, presented in simple and accessible language.
- Record and securely store user consent for audit and compliance purposes.
- Ensure that users can access the website's services even if they decline optional cookies.
- Offer users the ability to easily withdraw or modify their consent at any time.

In alignment with these requirements, the PLIADES website has established a detailed Privacy and Cookies Policy (https://www.pliades-project.eu/privacy-cookie-policy/). This policy explains the types of data collected via cookies and their intended use. The Cookies Manager:

- 1. **Consent Management:** Enables users to approve or reject cookies through an intuitive interface before any non-essential cookies are activated.
- 2. **Transparency:** Clearly communicates the purpose of each cookie, ensuring users are fully informed before giving consent.
- 3. Access Guarantee: Grants users access to all website features, regardless of their cookie preferences.
- 4. **User Control:** Provides a persistent cookies icon, always visible in the bottom-left corner of the screen, allowing users to revisit and update their choices effortlessly.

The following figure provides a visual representation of the Cookies Manager:

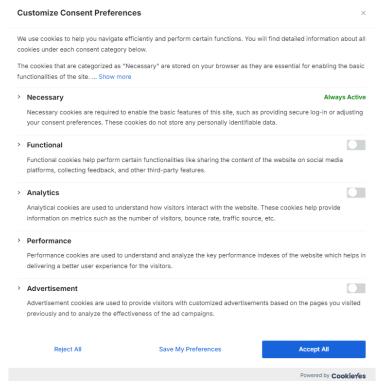


Figure 8. Screenshot of the Cookies Manager pop-up, illustrating the options for managing user preferences.

This robust Cookies Manager ensures the PLIADES website adheres to GDPR standards while fostering user trust through transparency and convenience.

Next Steps

To further enhance website traffic and engagement, the following actions are planned:

 Content Improvement: Publishing detailed use-case results and creating a promotional video to attract more organic traffic.



- **Search Engine Optimisation (SEO):** Improving metadata and keywords to increase visibility in search engines.
- Backlink Generation: Building partnerships to secure external links that drive referral traffic.

2.3.2 Social media accounts - Twitter Page, LinkedIn Page, YouTube Channel

The PLIADES project has established an active presence on social media platforms, including **X** (formerly Twitter), LinkedIn, and YouTube, to effectively disseminate updates, engage with stakeholders, and foster a broader community around the project. These platforms provide essential tools for reaching diverse audiences, from industry professionals and policymakers to academic researchers and the general public.

Social Media Strategy

The social media strategy focuses on:

- Sharing project updates, milestones, and results in an engaging and accessible manner.
- Promoting partner activities and events to showcase collaboration within the consortium.
- Engaging with relevant stakeholders to encourage discussions and strengthen the project's network.
- Disseminating newsletters, press releases, and multimedia content to maximise outreach.

Platform Overviews

- 1. LinkedIn (https://www.linkedin.com/company/pliades-project):
 - Targets professionals, researchers, and industry stakeholders.
 - Focuses on in-depth updates, project highlights, and networking opportunities.
 - Has steadily grown its audience, reaching 180 followers as of M12, with continued efforts to expand its influence.
- 2. **X** (https://x.com/PLIADESproject):
 - Primarily used to share quick updates, event announcements, and key achievements.
 - Offers opportunities for real-time engagement with followers through mentions and hashtags.
 - Currently has 38 followers.
- 3. YouTube (https://www.youtube.com/@PLIADESproject):
 - Serves as a repository for video content, including project overviews, webinars, and recorded events.
 - Currently hosts two videos, including a general project introduction and a webinar on the International Data Spaces Reference Architecture Model.
 - Currently has 21 subscribers.

Performance and Engagement

In the first 12 months of the project:

• The LinkedIn page has produced 24 posts, attracting 415 unique visitors, reaching 15.324 impressions, 564 reactions and 1298 pages views



- The X page has produced 20 posts, recorded over 900 views, with engagement peaks during major events such as webinars and newsletters.
- The YouTube channel has begun building a following, which will grow as additional multimedia content is produced in the coming phases. Currently, it contains two videos with 104 and 83 views.

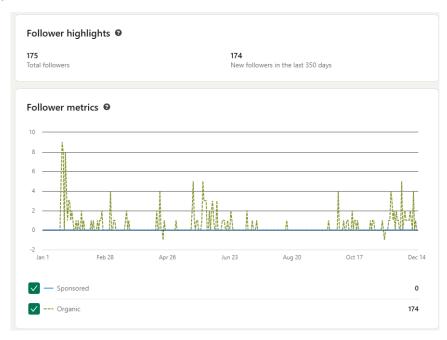


Figure 9. LinkedIn analytics showing follower growth

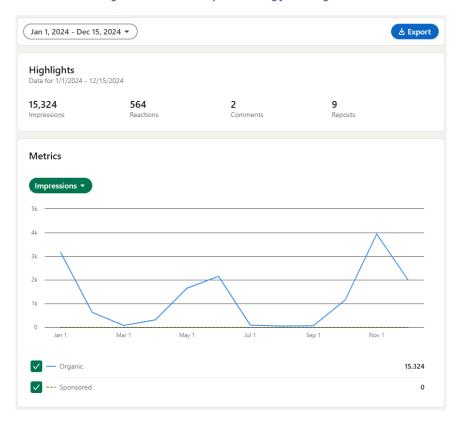


Figure 10. LinkedIn analytics showing post interactions



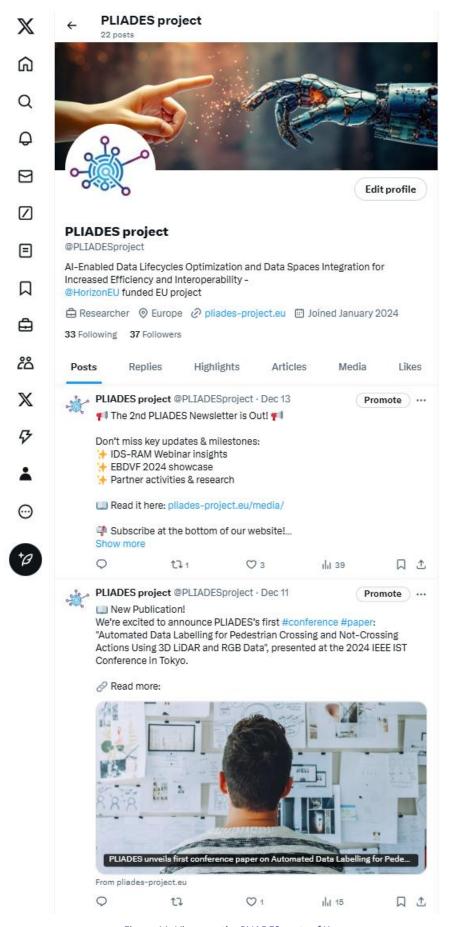


Figure 11. Views on the PLIADES posts of X



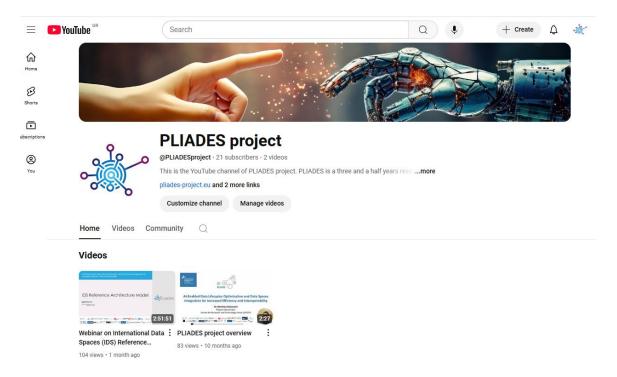


Figure 12. Screenshot of the YouTube channel homepage, showcasing available videos

Next Steps

To further enhance the impact of social media channels, the following actions are planned:

- **Targeted Outreach**: Actively engaging with relevant accounts, groups, and communities to expand the audience base.
- **Video Production**: Developing additional video content to strengthen the YouTube channel and provide dynamic, shareable resources.
- **Analytics Monitoring**: Using platform analytics to refine strategies and optimise post timing, content type, and audience engagement.

Through its growing social media presence, the PLIADES project aims to strengthen its visibility, build connections, and foster active participation from stakeholders across sectors.



2.3.3 Press releases

A first press release was issued, introduced the PLIADES project to the public, detailing its vision, objectives, and consortium members.

Al-Enabled Data Lifecycles Optimization and Data Spaces Integration for Increased Efficiency and Interoperability



PRESS RELEASE

Revolutionising Data Utilisation Across Sectors The PUADES project

17 May 2024: A team of researchers led by the Centre for Research and Technology Hellas/ Information Technologies Institute (Greece), embarked on a ground-breaking journey with the launch of the PLIADES project. Funded by the European Commission under the Horizon Europe research and innovation programme with a budget of 69 million, PLIADES (Al-Enabled Data Lifecycles Optimisation and Data Spaces Integration for Increased Efficiency and Interoperability) aims to redefine how data is utilised across sectors, from mobility to healthcare, manufacturing to energy, and beyond.

The primary mission of PLIADES is to introduce an advanced AI-enabled framework for Full Data Lifecycles Optimisation and Data Spaces Integration. This visionary project envisions a future where diverse sectors are seamlessly interconnected, fostering efficiency and interoperability. By providing cutting-edge data and services, PLIADES aims to drive advancements in Cooperative, Connected, and Automated Mobility (CCAM), Advanced Driver Assistance & Autonomous Driving (ADAS/AD), and Human-Robot Interaction (HRI).

Under the coordination of Dr. Dimitrios Giakoumis (CERTH-ITI), the PLIADES project brings together a consortium of twenty-seven* partners from 10 EU Member States and Switzerland. This diverse consortium includes 12 Research and Technology Organisations (RTOs), 10 Small and Medium-sized Enterprises (SMEs), and 5 Non-Profit Organisations (NPOs).

The project seeks to research and develop novel models, abstractions, and methods for environmentally friendly, context- and human-factors-aware creation of vast amounts of data for mobility, green deal, energy, industrial, and healthcore dataspaces. Moreover, PLIADES aims to advance data privacy, security, trustworthiness, and sovereignty, enabling data owners to safely determine how their information is collected, stored and used. Additionally, PLIADES seeks to promote advanced data decentralisation and further advance Al-boosted brokers, to promote advanced Data Space connectors to extend the scope of data space interoperability, integrating full data life cycles into existing data reference architectures, such as the IDS Reference Architecture Model. Furthermore, PLIADES is committed to facilitating novel data processing and analytics services to ensure data privacy, trustworthiness, security, resilience, reuse, and disposal.

PLIADES will deploy its proposed framework in six use cases spanning transportation, energy, manufacturing, healthcare, and the green deal sectors. These use cases will leverage different

Page 1

Figure 13. First page of the PLIADES launch press release



Al-Enabled Data Lifecycles Optimization and Data Spaces Integration for Increased Efficiency and Interoperability



types of data to drive innovations in areas such as smart vehicles, predictive maintenance, personalised healthcare services, and more, solving oritical problems and improving everyday life.

*Consortium members include:

Centre for Research and Technology-Helias CERTH (Greece), MbyDesign Competence Center Private Company (Greece), Antiantis Engineering \$A (Greece), Vicomtech (Spain), Eurecat (Spain), Energy@Work (Italy), FinEst Centre for Smart Cities, TalTech (Estonia), Innovalia (Spain) Tecnalia (Spain), denn Industrias Puigianer (Spain), Blue Ocean Robotics (Denmark), Czech Technical University in Prague (Czech Republia), Technische Hochschule Ingolstadt (Germany), ZERO GmbH (Germany), Universidad Carlos III de Madrid (Spain), Mondragon Goi Eskola Politeknikoa Jose Maria Arizmendiamieta, \$.Coop (Spain), KU Leuven, Mechaftro)nio System Dynamics (LMSD) research group (Belgium), Ceit - Centro de Estudios e Investigaciones Técnicas (Spain), ISA - International Data Spaces e.V. (Germany), TNO - Netherlands Organisation for Applied Scientifia Research (Netherlands), CIC bioGUNE - Asociación Centro de Investigación Cooperativa en Biociencias (Spain), BasqueCCAM - Asociación Centro Vasco de Movilidad Conectada, Cooperativa y Autónoma (Spain), AVL List GmbH (Austria), White Research Roussels), Hypertech S.A. (Greece), Libation AG (Switzerland), Sipbb - Switzerland Innovation Park Biel/Bienne AG (Switzerland)

For more information about PLIADES and its ground-breaking initiatives, please visit: https://www.pliades-project.eu/



Follow us on X via @PLIADESproject and on LinkedIn via <u>pliades-project</u>

Subscribe to our YouTube channel here.

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Tet.: +30 -2311 -257 707



Page 2

Figure 14. Second page of the PLIADES launch press release, showcasing consortium members and project objectives

The full text of the launch press release is accessible on the project's website at: https://www.pliades-project.eu/pliades-press-release-2024-05-17-project-overview.

Next Steps

To ensure continuous visibility and engagement, additional press releases will be issued at critical project milestones. Planned topics include:

- Updates on PLIADES use cases.
- Announcements of significant project results and deliverables.
- Presentation of PLIADES Key Exploitable Results (KERs).
- Coverage of major events and participation in conferences.

2.3.4 Newsletters

Newsletters are a vital tool in the PLIADES dissemination strategy, enabling regular communication with stakeholders about the project's progress, activities, and upcoming events. Designed to engage



and inform, these newsletters help maintain a steady connection with the consortium's network and the broader audience.

Newsletter Strategy

The PLIADES project issues newsletters biannually, ensuring stakeholders are updated on key developments. Each newsletter is distributed via:

- Email campaigns to subscribers using the Mailchimp platform.
- Project website, where newsletters are archived for public access in the Media section (https://www.pliades-project.eu/media/).

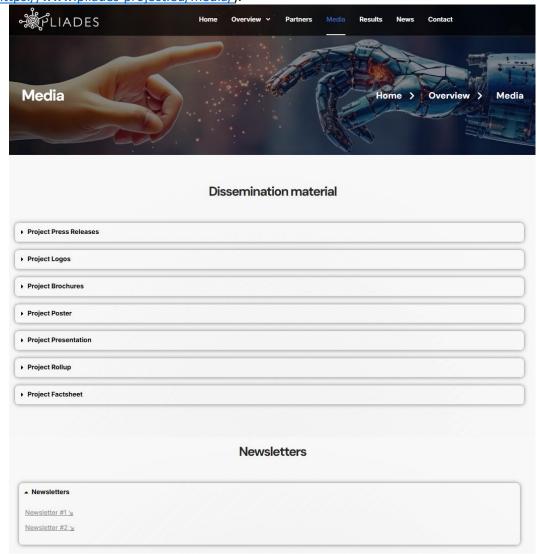


Figure 15. PLIADES newsletters uploaded on the project web portal upon release

Social media channels, providing additional outreach and engagement opportunities.

Content Highlights

Newsletter issues may include:

- **Project Updates**: Summaries of recent milestones and achievements.
- **Event Reports**: Coverage of conferences, workshops, and webinars attended by consortium members.
- Upcoming Activities: Announcements of planned events, including webinars and demonstrations.

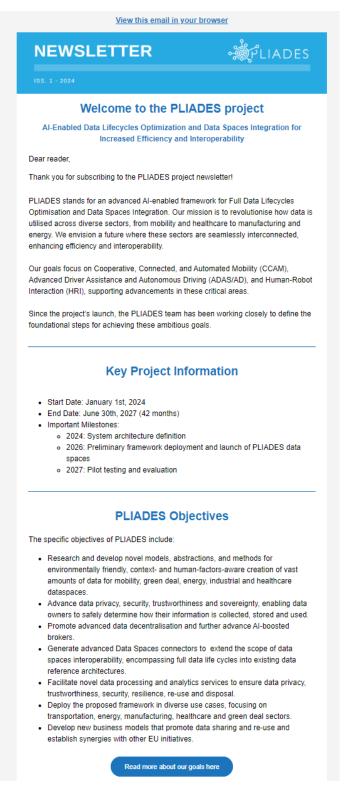


Spotlights: Featured articles on use cases, pilot studies, or partner contributions.

Newsletters Issued

Two issues were published during the first 12 months:

• **Newsletter #1**: Focused on introducing the project, consortium members, and the roadmap for the first year.





Use Cases of PLIADES

PLIADES outcomes will utilise different types of data spanning six use cases, focusing on diverse dataspaces, such as :

- data from smart vehicles to improve their ADAS/AD & CCAM functions and energy management (mobility dataspace),
- patient/doctor HRI data to improve service robots' HRI effectiveness and patient data to improve diagnostic & prognostic clinical models for personalised medicine services (healthcare dataspace),
- manufacturing data to improve zero-waste manufacturing, predictive maintenance and HRI (industrial dataspace).

Find out more about our use cases

Highlights from the first months

The project is off to an exciting start! Here are some highlights from our initial activities:



PLIADES Project Launch: Kick-off Meeting in Thessaloniki, Greece



PLIADES project presented at BDVA and DSSC Workshop on Horizon Europe Projects in Data Life Cycles



A&R Expo 2024: PLIADES Project Showcased at Industry Event



Ethics Advisory Board Introduction

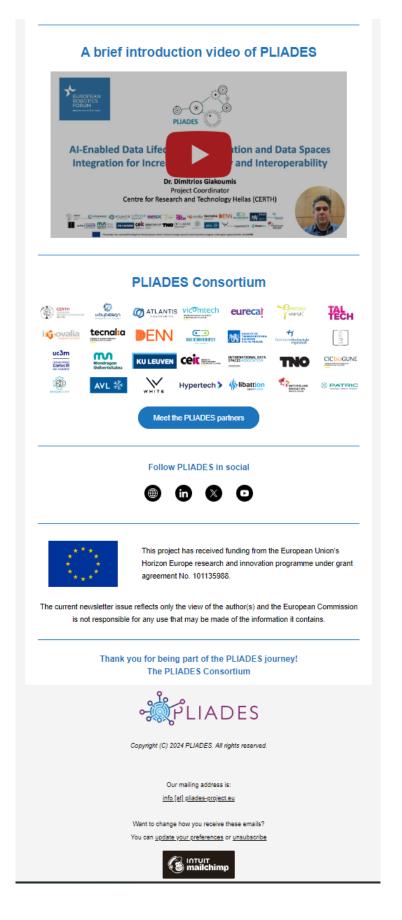


Second Plenary Meeting: Key insights and project updates



PLIADES Dissemination Material







• **Newsletter #2**: Provided updates on early project achievements and participations in events.

View this email in your browser

NEWSLETTER



ISS. 2 - 202

Welcome to the PLIADES project

Al-Enabled Data Lifecycles Optimization and Data Spaces Integration for Increased Efficiency and Interoperability

Dear reader,

Thank you for subscribing to the PLIADES project newsletter!

Welcome to the second issue of the PLIADES newsletter! As we near the first year of the PLIADES project, we're excited to share the progress we've made and the milestones we've achieved. Over the past few months, our team has been actively driving forward the development of interoperable data spaces and Al-powered solutions, with several significant events and breakthroughs. In this issue, we highlight our recent plenary meeting, key partner activities, insights from major industry events, and innovative research efforts.

Join us as we continue our journey towards shaping the future of data spaces and collaborative innovation.

PLIADES project updates

This section highlights the latest project updates, key events, and activities in which PLIADES has participated:



Highlights from the 3rd PLIADES
Plenary Meeting



Insights from the PLIADES Webinar on International Data Spaces Reference Architecture (IDS-RAM)



PLIADES at the European Big Data Value Forum (EBDVF) 2024



Atlantis Engineering Showcases
PLIADES Innovations



Conference paper

We are thrilled to announce the publication of PLIADES's first conference paper: "Automated Data Labelling for Pedestrian Crossing and Not-Crossing Actions Using 3D LiDAR and RGB Data".

This innovative paper, co-authored by **K. Tsiakas**, **D. Alexiou**, **D. Giakoumis**, **A. Gasteratos**, **and D. Tzovaras**, was presented at the 2024 IEEE International Conference on Imaging Systems and Techniques (IST) in Tokyo, Japan.

Read more here

New Report: Enhancing Value Creation Through Interoperable Data Spaces

We are proud to announce the release of an important new report: "Enhancing Value Creation Through Interoperable Data Spaces" led by DS2 in collaboration with PLIADES, CEDAR, CyclOps and NOUS. This report highlights the outcomes and key insights from the Data Spaces Cluster participation at the Big Data Value Association (BDVA) EBDVF 2024, held in October 2024.

The report reflects the discussions and highlights of the "Interoperability of Data Spaces for Seamless Value Creation Networks" panel session.

Explore the full report and gain insights into how interoperable data spaces are poised to shape the future of value creation.



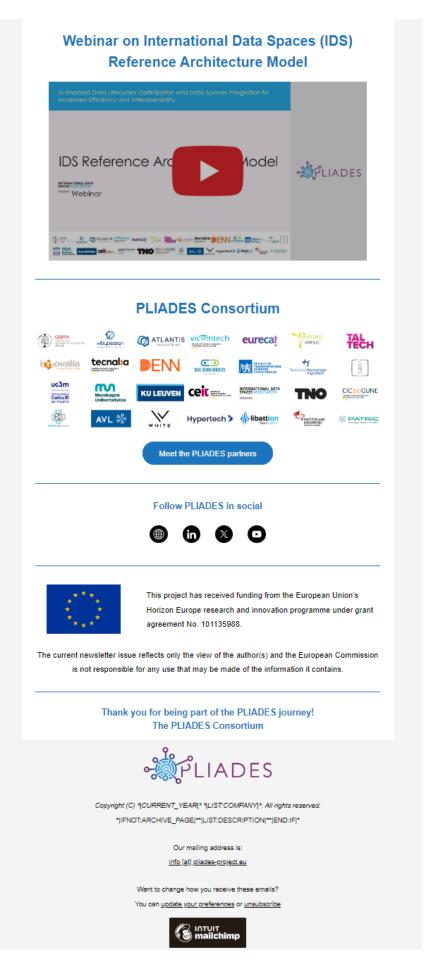
ENHANCING VALUE CREATION THROUGH INTEROPERABLE DATA SPACES

Unlock the Power of Data Sharing at EBDVF 2024
- A Post Event Report

November 2024

Access the report







Distribution and Reach

The newsletters have been disseminated to **56 stakeholders** who subscribed through the registration form on the project website. Engagement analytics indicate positive responses, with metrics such as open rates and click-through rates monitored to optimise future issues.

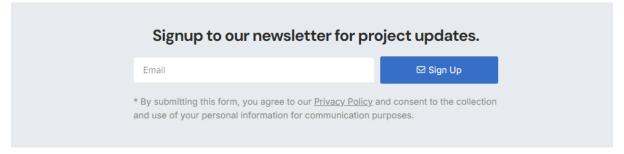


Figure 16. Screenshot of the subscription form available on the PLIADES website

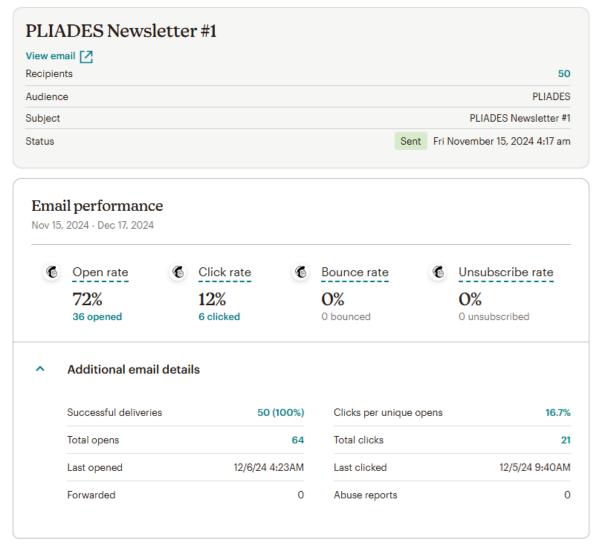


Figure 17. Newsletter #1 distribution and engagement statistics (open rates, clicks) from Mailchimp



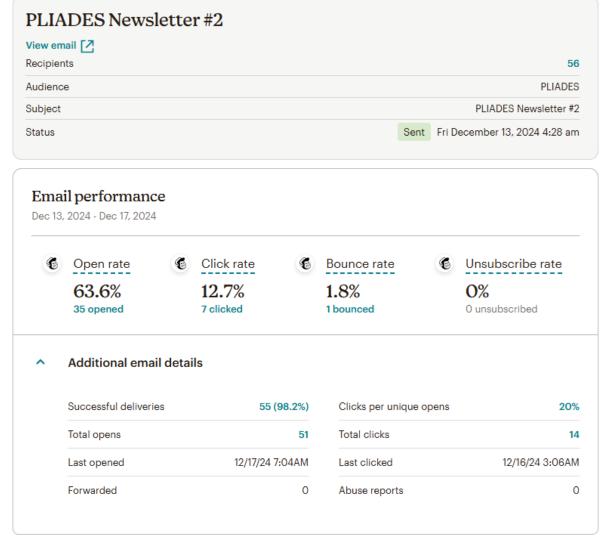


Figure 18. Newsletter #2 distribution and engagement statistics (open rates, clicks) from Mailchimp

Next Steps

To maximise the impact of newsletters, the following improvements are planned:

- **Enhanced Visual Appeal**: Incorporating more images, infographics, and video links to make newsletters more engaging.
- **Expanded Subscriber Base**: Actively promoting the subscription option on social media and during project events.



2.3.5 Short videos

Short videos have become a crucial tool for promoting the PLIADES project, helping to make complex concepts accessible to a broader audience while showcasing the project's outcomes and activities. These videos are designed to summarise key project information, making the project more understandable to the public, and to promote its scope, achievements, and ongoing results.

Published Videos

So far, two videos have been produced and shared:

1. Project Overview Video:

- This video, presented during the BDVA-DSSC Workshop organised by the Big Data Value Association and Data Spaces Support Centre, provides a concise introduction to the PLIADES project.
- This short video provides a concise summary of the PLIADES project, outlining its objectives, methodology, and expected outcomes.
- The video is available on the PLIADES YouTube channel (https://youtu.be/VZzrUJLq3qo) and has been shared via social media platforms to engage a wider audience.

2. Webinar on International Data Spaces (IDS) Reference Architecture Model (April 2024):

- This video captures the recorded session of the webinar held on 19th April 2024, focusing on the IDS Reference Architecture Model (https://youtu.be/fio44bFu1kg)
- The video offers in-depth insights into the IDS framework and its relevance to the PLIADES project.

Future Video Plans

- Overview Video: An introductory video outlining the project's goals, objectives, and expected
 impacts. This video will serve as a comprehensive introduction to the PLIADES project,
 providing viewers with a clear understanding of its purpose and scope.
- Content Demonstrations/Workshops: Videos showcasing demonstrations and workshops related to the project. These will provide practical insights into the project's applications and methodologies, offering a closer look on the PLIADES project.
- **Promo Video on Use Cases:** Promotional videos focusing on use cases. These will highlight the specific use cases within the PLIADES project, showcasing their progress, challenges and successes to illustrate the project's practical impact.
- **Webinars:** Recorded webinars featuring experts and stakeholders discussing various aspects of the PLIADES project. These webinars will provide in-depth information and facilitate knowledge sharing, addressing both technical and non-technical audiences.
- Recorded Presentations at Workshops/ Conferences: Recordings of presentations given at various workshops and conferences. These videos will capture key presentations and insights shared during these events, allowing a broader audience to benefit from the knowledge exchanged.
- **Key Exploitable Results (KERs) Video:** A dedicated video will be created to highlight the KERs of the PLIADES project. This video will focus on the most significant outcomes, demonstrating how these results can be practically applied in various sectors.



2.3.6 Workshops/Conferences/Demonstrations

During the first 12 months, the PLIADES project participated in several high-profile events, allowing the consortium to present the project's objectives, progress, and early results to a wider audience. Some of the key events included:

1. BDVA-DSSC Workshop (February 2024)

- This online workshop, organised by the Big Data Value Association and Data Spaces Support Centre, focused on data spaces, and PLIADES was introduced to relevant stakeholders.
- Partner: CERTH

2. European Robotics Forum (ERF) (March 2024)

- Held in Rimini, Italy, this event highlighted PLIADES contributions to automation and robotics.
- Partner: CERTH, BOR

3. Automation and Robotics Expo (April 2024)

- Held in Athens, this event highlighted PLIADES' contributions to automation and robotics.
- Partner: CERTH

4. 11th Technology Forum (April 2024)

- This international forum in Thessaloniki provided an ideal platform to showcase PLIADES' objectives to a diverse audience.
- Partner: Atlantis Engineering SA

5. First Webinar on IDS Reference Architecture Model (April 2024)

- A dedicated webinar focusing on the International Data Spaces (IDS) Reference Architecture Model, aimed at engaging experts and stakeholders.
- Partner: All consortium partners

6. Tech Talk | Aligning international standards for data space interoperability (June 2024)

- This online event highlighted PLIADES' approach to data space interoperability.
- Partner: IDSA

7. EUROMAR (Unraveling biological aging) (June-July 2024)

- This scientific conference focused on biological aging and showcased PLIADES-related research to an international scientific audience.
- Partner: CICbioGUNE

8. ICSR + BioMed Conference (August 2024)

- The conference took place in Singapore
- Partner: BOR

9. Thessaloniki International Fair (September 2024)

- Held in Thessaloniki, this event highlighted the goals of PLIADES and inform the public about the contributions of the project and its Use Cases
- Partner: CERTH

10. European Big Data Value Forum (EBDVF) - Budapest, Hungary (October 2024)

- PLIADES was showcased as part of a session on "Interoperability of Data Spaces for Seamless Value Creation Networks"
- Partner: AVL

11. 17th Maintenance Forum - Athens, Greece (October 2024)

- This event provided an opportunity for PLIADES to engage with stakeholders from the manufacturing sector.
- Partner: Atlantis Engineering SA

12. 5th Energia. Tec Exhibition - Athens, Greece (October 2024)



- PLIADES participated in the exhibition to showcase its contributions to the electromobility sector and entrepreneurs.
- Partner: Atlantis Engineering SA

By participating in these events, PLIADES continues to build a solid network, establish its reputation in the data space and AI sectors, and ensure its findings reach the target audience effectively.

2.3.7 Publications

Scientific publications are a critical element of the PLIADES dissemination strategy, enabling the project to share its findings and innovations with the broader academic, research, and industrial communities. Scientific knowledge generated during the project is already being shared in the following scientific conferences:

Publication type	Title	Authors	Conference	Partner	Date
Paper in proceedings of a conference	Automated data labelling for pedestrian crossing and not- crossing actions using 3D LiDAR and RGB data	K. Tsiakas, D. Alexiou, D. Giakoumis, A. Gasteratos, D. Tzovaras	2024 IEEE International Conference on Imaging Systems & Techniques (IEEE IST 2024), Tokyo, Japan	CERTH	October. 2024

The **public deliverables** will be published on the PLIADES web portal as well as on Zenodo community with open access once they are accepted by the EU.

2.3.8 Zenodo community

The Zenodo community provides an easy-to-use and widely recognised platform for sharing research data, publications, deliverables, software, and multimedia content. It ensures that all PLIADES project materials are stored in a secure, indexed, and accessible way, making it easier for stakeholders to access the latest results, findings, and tools produced throughout the project.

As part of its commitment to open-access dissemination, the PLIADES project has already published a variety of materials on Zenodo (https://zenodo.org/communities/pliades-project). The materials are assigned a DOI (Digital Object Identifier), making them easily discoverable and citable by researchers and stakeholders.



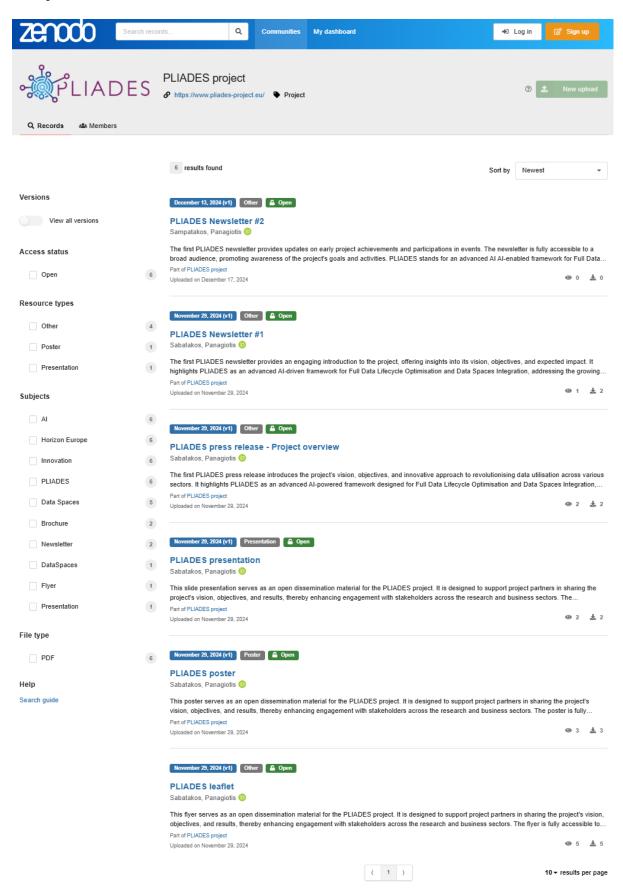


Figure 19. PLIADES Zenodo community



2.4 Synergies

Synergies play a vital role in maximising the impact and reach of the PLIADES project. By collaborating with other research initiatives, EU-funded projects, and industry partners, PLIADES can amplify its outcomes, share knowledge, and address common challenges in the areas of data spaces, AI integration, and interoperability.

Collaborations with Other EU-funded Projects

Collaborative efforts have been made to establish synergies with other HORIZON-funded projects. These synergies involve exchanging news and social media content, sharing articles for newsletters, and jointly participating in events.

Notably, PLIADES has collaborated with several other projects to form the Data Space Cluster, which includes the following projects:

- DS2
- CEDAR
- CyclOps
- NOUS

Throughout the first year of the project, PLIADES has engaged in multiple joint activities with its partner projects, including:

• Joint Event Participation:

 On the 2nd of October 2024, the PLIADES project was showcased at the European Big Data Value Forum (EBDVF) in Budapest, Hungary. The session titled "Interoperability of Data Spaces for Seamless Value Creation Networks" was led by DS2 and featured our partner Bernhard Peischl from AVL, who presented PLIADES alongside the other projects (NOUS, CyclOps, and CEDAR).





• Co-creation of Dissemination Materials:

 The PLIADES project has worked closely with its cluster partners to create joint dissemination materials like the post-event report which encompasses the highlights of the projects' cluster participation at the EBDVF session (https://doi.org/10.5281/zenodo.14223551).



3 Performance indicators and monitoring

Monitoring the effectiveness of dissemination and communication activities is crucial to assessing the success of the PLIADES project. By establishing Key Performance Indicators (KPIs), the project can measure its progress, identify areas for improvement, and ensure that its communication efforts are aligned with overall objectives.

To track the progress of these KPIs, the PLIADES project uses a combination of analytics tools and regular reports. These include:

- **Website Analytics**: Tools like Google Analytics track visitor data, user interaction, and session duration.
- **Social Media Analytics**: Metrics from LinkedIn, X, and YouTube, such as followers, engagement, and reach.
- Mailchimp Analytics: Used for monitoring newsletter distribution and engagement statistics.
- **Event Tracking**: Feedback from events (workshops, conferences) is collected to assess participant satisfaction and engagement.

The table below presents an overview of the dissemination channels and activities defined in the Dissemination and Communication Plan (D8.1), along with the associated KPIs, target values, and current status. This table serves as a tool for tracking the effectiveness of PLIADES' dissemination strategy, highlighting areas where additional efforts may be necessary to achieve the desired impact.

Dissemination Channels and Activities	KPIs	Targets	Current Status
Project Identity and Branding	Number of branding materials created and distributed.	Logo, colour-space, artboard, graphic visuals	Available online: https://www.pliades-project.eu/media/
Project Website	Website traffic statistics (unique visitors, page views), registrations, blog interactions.	≥700 visits; >120 registrations; ≥150 blog interactions	Website link: https://www.pliades-project.eu Statistics (see section 2.3.1) 1.350 sessions 781 unique users.
Marketing Pack and Promotional Press Kit	Number of materials created.	Leaflet, poster, slide- presentations, factsheet	Leaflet: See section 2.2.1 Poster: See section 2.2.2 Slide-presentations: See section 2.2.3 Factsheet: planned for the next period
Web/Social Content	Frequency of content posts.	Y1: >1/month	14 blogpost/ articles (https://www.pliades- project.eu/news/)
(Blogposts, Articles, white papers)		Y2: >2/month	
рарегз/		Y3: >2/month	-
Social media (LinkedIn, X)	Number of followers, posts, and interactions.	≥200 followers; ≥150 posts; ≥2000 interactions	LinkedIn: Followers: 175 Posts: 24 posts Reactions: 564 X: Followers: 37 Posts: 20 posts Views: 900 views
Press Releases, Newsletters, and Digital Briefs	Number of press releases, newsletters, audience reach.	Y1: ≥4	Press releases: 1 Newsletters: 2
Digital Differs		Y2: ≥6	-



		Y3: ≥10	-		
Videos (YouTube Channel)	Number of videos produced, views, and feedback.	1 promo/pilot/tool; total >10 videos	Planned for the next period		
Organisation/ Attendance to Conferences/ Workshops	Number of conferences/workshops organised and attended, number of visitors, and speakers.	Organised: ≥2; Attended: ≥15; ≥80 visitors; 10 speakers	Attended: BDVA-DSSC Workshop (February 2024) European Robotics Forum (ERF) (March 2024) Automation and Robotics Expo (April 2024) 11th Technology Forum (April 2024) First Webinar on IDS Reference Architecture Model (April 2024) Tech Talk Aligning international standards for data space interoperability (June 2024) EUROMAR (Unraveling biological aging) (June-July 2024) ICSR + BioMed Conference (August 2024) Thessaloniki International Fair (September 2024) European Big Data Value Forum (EBDVF) - Budapest, Hungary (October 2024) 17th Maintenance Forum - Athens, Greece (October 2024) Sth Energia.Tec Exhibition - Athens, Greece (October 2024)		
Open Access Exhibitions and Demonstration Events	Number of exhibitions, demo days, and attendees.	≥1 exhibition; ≥2 demo days; ≥100 attendees	Planned for the next period		
Onsite Pilot Promotional Demonstrations/ Workshops	Number of demonstrations and workshops per pilot.	≥1 demonstration per pilot; ≥2 workshops per pilot	Planned for the next period		
Online and/or F2F Training/ Webinars	Number of webinars/trainings and attendees.	≥2 webinars/ trainings; ≥50 attendees	1 webinar (available online: https://youtu.be/fiO44bFu1kg)		
Scientific Publications and Presentations/ Open access reports	Number of journals and conference papers published.	≥5 journals; ≥15 conference papers	1 conference paper (see section 2.3.7)		
Non-Scientific Reports	Number of industry magazine articles.	≥1 industry magazine	-		
Project Technical e-Publication	Number of downloads.	<25 = poor; 25-75 = good; >75 = excellent	-		
Industry Links and Synergies	Number of real market links, adopters, and trials/testers.	≥10 real market links; ≥5 adopters; ≥5 trials/testers	-		
F2F with SMEs and Large Industries/ Companies	Number of events and appearances.	≥1 event; ≥1 appearance			

To meet these target values, project partners are expected to intensify the communication and dissemination actions in the forthcoming months, putting emphasis on the production of scientific publications, the attendance of external conferences and events as well as the improvement of website visitors and social media followers.

As the project is progressing and generating results, more content is being shared with the public, leading to increased outreach to a wider audience.



4 Training programs initial plan and guidelines

This section aims to outline the development of training programs within the PLIADES project and report the activities of T8.5. The development of a training program on security issues within the scope of the task has two separate goals: a) to effectively train the involved parties on the matter of data security and, b) to promote the project's results to a wider audience.

The training material will be developed during the implementation of the PLIADES platform, aiming to target data security issues emerging from the implementation of the platform's unique components. The best training method will be decided based on the outcomes of the training program that will be tested with the help of end-users inside the consortium.

4.1 Background and training needs

Data security refers to the protection of digital information throughout its entire life cycle, from actions like unauthorized access, corruption or theft^{2,3}. The term refers to hardware, software, storage and user devices, access and administrative controls, as well as organisations policies and procedures.

Within PLIADES, the protection of data involves many aspects such: privacy, security, trustworthiness, and sovereignty. One of the project's key objectives is to advance data protection with its technological competences while complying with international data security standards (ISO/IEC 27001:2022, ISO/IEC 27701:2019 and GDPR provisions). Data security will be ensured during the integration of multiple dataspaces and while maintaining interoperability within and between different sectors.

A system that fulfils the requirements of ISO/IEC 27001 preserves CIA: Confidentiality, Integrity and Availability of information. *Confidentiality* means that only the right people can access information held by a specific organisation. *Information Integrity* refers to the organisation's data that needs to be safely stored and not erased or damaged. *Availability of data* means that an organisation and its clients can access the information whenever necessary so that business purposes and customer expectations are satisfied⁴.

The General Data Protection Regulation (GDPR) refers to the protection of natural persons with regard to the processing of personal data and on the free movement of such data. This regulation proposed by the EU respects all the fundamental rights and freedoms and addresses the rapid technological developments, which further facilitate the free flow or personal data, while ensuring a high level of the protection of personal data⁵.

Under this scope, and when working on the aforementioned technical developments, training of the involved partners into the emerging issues of data security deems of high importance. New concepts like data ownership, traceability, usage policies related to data and cybersecurity guidelines are expected to be introduced in order to enhance awareness and data sovereignty.

Some of the technical tasks that are related to the data security issues, and showcase the need for data security awareness are the following:

https://www.fortinet.com/resources/cyberglossary/data-security

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² Fortinet. (2024). Data Security: Definition, Importance, and Types. Fortinet.

³ IBM. (2021). What is data security? Definition, solutions and how to secure data. IBM. https://www.ibm.com/topics/data-security

⁴ ISO. (2022). *ISO/IEC 27001 standard – information security management systems*. ISO. https://www.iso.org/standard/27001

⁵ The European Parliament and The Council of The European Union. (2016). *General Data Protection Regulation*. https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32016R0679



- T2.1 "Analysis of SoA, current data spaces architectures and extensions requirements"
- T3.7 "Quality and Legislation compliance-aware cross-domain data governance"
- T4.2 "De-centralization strategies for cloud to edge to IoT data transfer"
- T4.3 "Privacy-preserving data sharing and analysis techniques for collaborative intelligence in mobility and autonomous vehicles data spaces"
- T4.5 "Data security across multiple integrated data spaces"
- T4.7 "Personal Data flows Mapping and GDPR"
- T5.6 "AI-boosted connectors for data transformation, secure and privacy-preserving data sharing

Also, based on research data, in March 2024 the number of 102,499,341 records breached, showcasing an increasing number of cyberattacks⁶. Some of the most targeted sectors are public data, IT services and software, manufacturing, energy and healthcare⁷. All the above points will be taken into account when developing the PLIADES training content.

4.2 Available training methods

There are several types of training methods available, all aiming to maximize the impact of the shared information in the most comfortable way and by fitting the trainee's schedule at the same time. Some of the most spread and used training methods that could be applicable to the PLIADES training program and able to serve its goals are listed below.

Case Studies

The case study method is using real life or imaginary scenarios to learn skills in a practical way⁸. The trainee practices their analytical skills, they are expressing arguments and participating in group discussions in attempt to provide with the optimal solution for each of the presented cases. It can be great for focused topics, but not for very complex ones.

Instructor-Led Training

The basic characteristic of Instructor-Led Training is that an instructor leads and facilitates the training procedure for the participants. A presentation in the form of a lecture could be used, and the training can be both in person and online. This type of training offers real time interaction, but it allows for interactive discussions, and it can answer questions that were not covered in real-time. This training method allows for personalised instructions and collaboration opportunities between the participants. One disadvantage of this training method might be that learners cannot follow their own pace, since usually there are multiple people involved.

Online Training (live or asynchronous)

D8.2

⁶ Kosling, K. (2024, April 18). *Data Breaches and Cyber Attacks in Europe in March 2024 – 102,499,341 Records Breached*. IT Governance Blog En. https://www.itgovernance.eu/blog/en/data-breaches-and-cyber-attacks-ineurope-in-march-2024-102499341-records-breached

⁷ IT Governance Europe. (2024, June 19). *Data Breaches and Cyber Attacks – Europe 2024 Report - IT Governance Blog En.* IT Governance Blog En. https://www.itgovernance.eu/blog/en/data-breaches-and-cyber-attacks-in-2024-in-europe#monthly-trends

⁸ Hammond, J. S. (2002, April 16). *Learning by the Case Method* [Review of *Learning by the Case Method*]. Harvard Business School.

 $[\]frac{https://projects.iq.harvard.edu/files/sdpfellowship/files/hbs\ casemethod\ overview.pdf\#:^:text=In\%20short\%}{2C\%20the\%20case\%20method\%20is\%20really\%20a,for\%20each\%20case\%20are\%20provided\%20in\%20the\%2}{0schedule\%29}.$



Online training is a computer-based method and can be delivered from a distance. Online training can be either live or asynchronous, depending on the training needs. Each training method has different requirements. For example, live training requires instructors. This training method allows instructors and users to interact with each other and the learning takes place in real time. Asynchronous training allows trainees to learn at their own pace, as no real-time interaction takes place. However, it is a requirement that all the training content is created in advance, alongside self-evaluation material, quizzes and interactive activities⁹.

Advantages of live training, including amongst others, are the increase of completion rate and motivation to learn, while participants can interact with the instructors and provide feedback in real time. Asynchronous training often is more practical, as trainees can adopt and learn at their own pace and during their preferred timing, allowing for more flexibility¹⁰. A form of asynchronous training is the video-based training using pre-recorded material.

Gamification

Gamification as a training method combines elements of games with learning material. The learning objectives are communicated through an interactive experience and realistic applications. It often involves rewards like points and level increases, encouraging trainees to participate more actively in the learning process, and retain the information more easily over time.

On-the-job training (Hands-on training)

This type of training usually focuses on the practical skills required for a specific job, therefore a trainee learns by executing related tasks at work. As a training method is more focused on unique needs and it requires extra time. In a business environment, it can take the form of an internship, for example. It results quickly because it is closely related to individual skills and personal growth.

Coaching (Mentoring)

This training method shares similarities with the hands-on-training. However, it creates a relationship between the trainee and a more experienced professional, allowing for more specific questions and guidance. As a method of training can be more inspiring and can be executed both virtually and inperson.

Handbook

A handbook is a training manual that can act as a step-by step guide that helps the trainee at every step of a specific procedure. It is a complete document that can include introductions, specific units for the learning objectives and answers to commonly asked questions. The structure of the document can easily direct the trainees to search for information.

4.3 Training Program Development Methodology

For the development of the training program, an initial plan of five separate steps has been designed, specifying an indicative timeline for each stage. The individual steps are described in the sections below.

The steps of the plan as well as distinct steps and proposed timelines are presented in Figure 1:

⁹ Gore, E. (2023, February 9). *7 Types of Training Methods (and How to Choose)*. ELM Learning. https://elmlearning.com/blog/training-methods/

¹⁰ Synchronous vs Asynchronous Training: Differences, Pros, Cons, and How-To Host Each. (n.d.). Team Building Hub. https://teambuildinghub.com/team-building/virtual/managing-team-development/training/synchronous-vs-asynchronous/



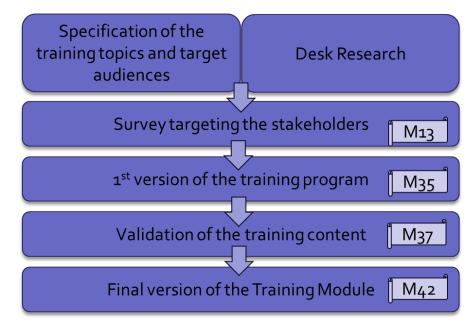


Figure 20: Training Program Development Proposed Methodology and timeline

4.3.1 Stage 1: Desk research, specification of the training context

Upon the initial stage, it is important to specify specific training topics and target audiences for the PLIADES training program. During this phase, desk research will take place to identify current trends, data security standards and regulations that could be related to the implementation of PLIADES and therefore, would be points of interest for the stakeholders involved.

During the first stage, the target audience for the PLIADES training content will be selected amongst the PLIADES consortium, targeting the participants of the PLIADES ecosystem (data consumers and data providers). Afterwards, the training program is expected to be disseminated to all the dissemination targets as well, familiarizing the wider audience with the solutions proposed by PLIADES. Dataspace ecosystem stakeholders, key actors of the mobility, energy, healthcare, industry and the Green Deal sector will be approached in order to experience the benefits proposed on the matter of data security.

4.3.2 Stage 2: Survey targeting the internal stakeholders

During the second stage of the design of the training program, a survey will be conducted to identify areas of interest and training needs on the matter of data security amongst the consortium partners. The survey will contain a few infographic questions to identify the roles of the partners contributing to it and their corresponding training needs, the subjects they wish to be trained in, and their desired method of training.

The processed results of the survey will facilitate the creation of specific content for the first version of the training module, based on preferences, what can be available and what can be publicly shared, as the training content will be part of the dissemination results and will be shared amongst potential users of the PLIADES framework.



A preview of the survey can be found in Table 2:

Table 2. Preview of the survey on the training content that will be shared with the partners

#	Question
А	. Infographics
Q1	What is your organisation name?
Q2	What is your organisation type? i. SME, ii. RTO, iii. Large Company, Enterprise, iv. Other
Q3	What is your role in the PLIADES project? i. Technology Provider, ii. End user, iii. Other, please specify
Q4	In which WPs are you involved in? i. WP1, ii. WP2,,viii. WP8
Q5	Are you a KER owner or contributor? i. Yes, ii. No
Q6	What type of licensing do you plan to use for your developments? i. Propetiary, ii. Open Source, iii.etc
В	. Training Material
Q7	What are the data security issues that you would like to be trained on? Please rate them according to priority i. GDPR, ii. AI regulations iii. CIA (Confidentiality, integrity, availability), iv. Other
Q8	Do you have internal training needs on data security issues as an organisation? i. Yes, ii. No, Please specify
Q9	Is there already training material available on data security within your organisation? i. Yes, ii. No, Please specify
Q10	Would you be in the position to provide data security know-how? i. Yes, ii. No
Q11	Which method would you prefer for your training? i. Online live course ii. Online pre-recorded training material iii. Handbook iv. Available on Public Portals (Zenodo, Open AIRE) v. Hands on training
Q12	How much time do you have available for training per month (approximately)? Please, specify.

4.3.3 1st version of the training program

The 1st version of the PLIADES training program will be designed based on the specific training needs related to the subject of data security identified during the previous stage. Results of the survey and the desk research will be used for that purpose.

The material for the training program will be created by using inputs from the task's participants and perhaps technical partners of interest contributing with material from software modules related to data security (e.g. the AI-Connector, compliant with IDS standards).



This training material will be connected with the project results, so that it can act as dissemination material as well, providing insights to the PLIADES achievements in the topic of data security.

4.3.4 Validation within the consortium

The 1st version of the training program is expected to be validated within the consortium with tools like online surveys, webinars or face to face sessions. The content of the training module, as well as the selected method of training, will be tested and evaluated by internal partners at first, so that the final module will be fully ready to be shared with external end users to promote the project's results and platform's usage. Selected software implementations should be mature enough during these demonstrations, so the period foreseen validation is from M37 to M40.

The overall goal of the training content will be to empower individuals and organisations to make informed decisions about their data, and ensure privacy and security are always protected.

4.3.5 Iterations and final release

Comments and feedback gathered during the validation period will be used to update and improve the training module before final release. The comments will be collected via training sessions that will be held synchronous or asynchronous and with evaluation surveys, to make sure that specific recommendations will be gathered. Follow-up questions, e-mails or interviews might take place to help identify areas of improvement of the training content, and parts that might not be clear enough to the end-users.

The final and improved version of the training program is expected to be ready by M42 as a project result. During the final stage, and the release of the final version, there will be some additional key issues that need to be addressed. One is the dissemination level of the final training material and subsequently the place where it would be available (e.g. the project's website). For confidential information, an idea would be to split the training content so that there are private and public parts. The private parts can become available to specific stakeholders that fulfil predefined conditions (for example pay a fee for the PLIADES solution). These issues will become clearer as the initial version of the training material is produced, as it highly depends on its content.



5 Conclusions

The PLIADES project has made significant strides in its dissemination and communication activities during its first year. The project's efforts to raise awareness, engage stakeholders, and share its initial steps through various channels have proven successful in fostering visibility and participation. By leveraging tools such as the project website, social media, newsletters, and events participation, PLIADES has effectively communicated its objectives and progress to a wide audience, including researchers, industry professionals, and the public.

Monitoring the performance indicators has provided valuable insights into the effectiveness of these activities, enabling the project to measure its impact and adjust strategies where necessary. While progress has been positive, ongoing efforts are required to further expand the reach of the project, particularly in increasing website traffic, engaging more stakeholders through social media, and ensuring widespread visibility of the project's key results.

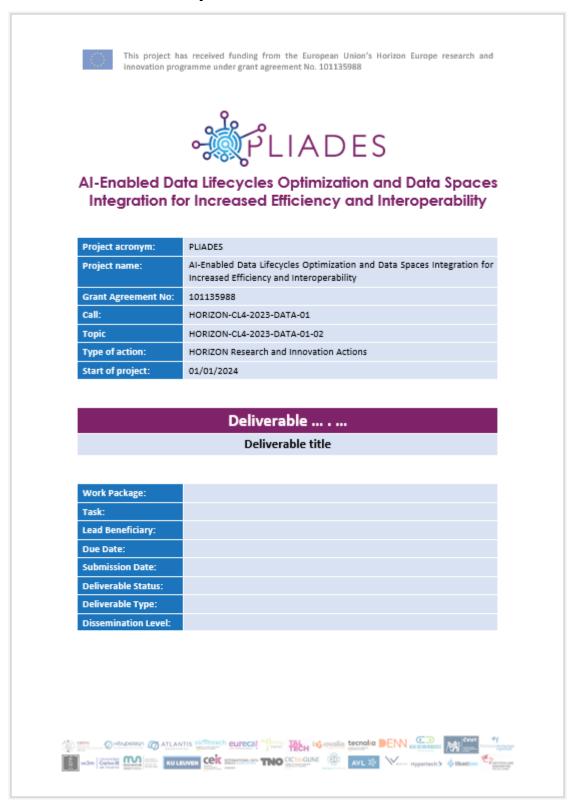
The development of PLIADES training content will act as another aspect of the project's dissemination activities. The PLIADES training program will be fully completed towards the end of the project and will be dedicated on multiple security issues that arise from the project's achievements but are also relative to the overall information flow technological challenges.

Looking ahead, the next iteration of this report, "D8.3: Dissemination and Communication Activities Report (v2)", to be prepared at the end of the second year of the project, will present the cumulative impact of the PLIADES project, reflecting the continued progress and achievements across its dissemination and communication efforts. Moreover, it will include the updates that have taken place regarding the training material objectives, target audiences and selected training methods. Further updates to the training plan might also be presented, based on the workflow progress and research findings.



6 Appendix

6.1 Deliverable template







GA#101135988

Authors

Surname	First Name	Beneficiary

Reviewers

Surname	First Name	Beneficiary

Version History

Version	Date	Modifications made by

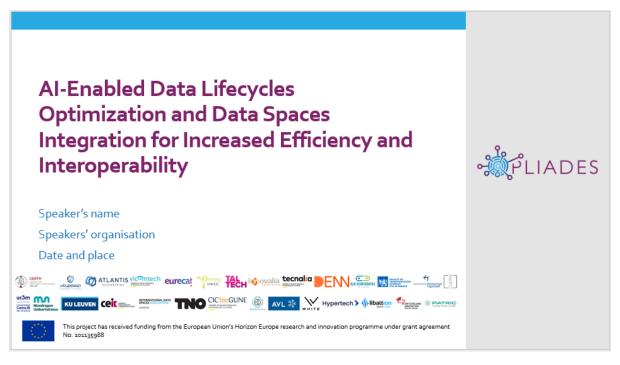
Disclaimer

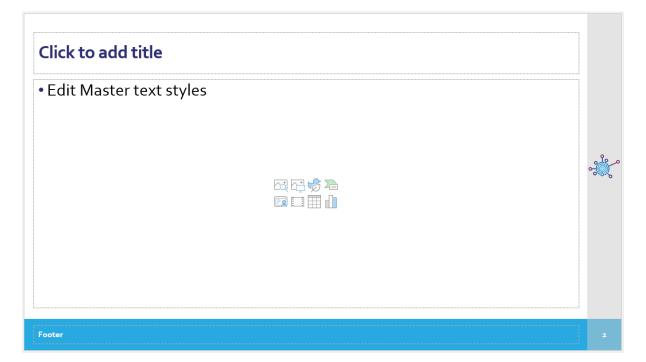
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DX.X Dissemination Level: Page 2 of 6

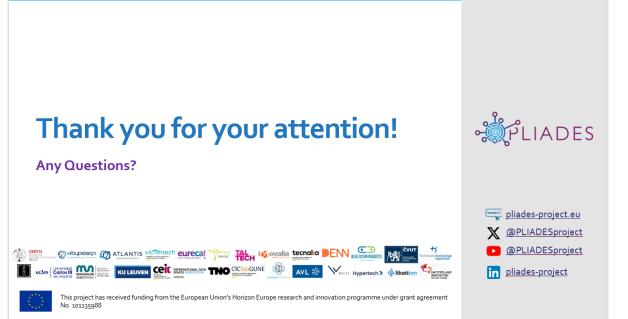


6.2 Presentation template



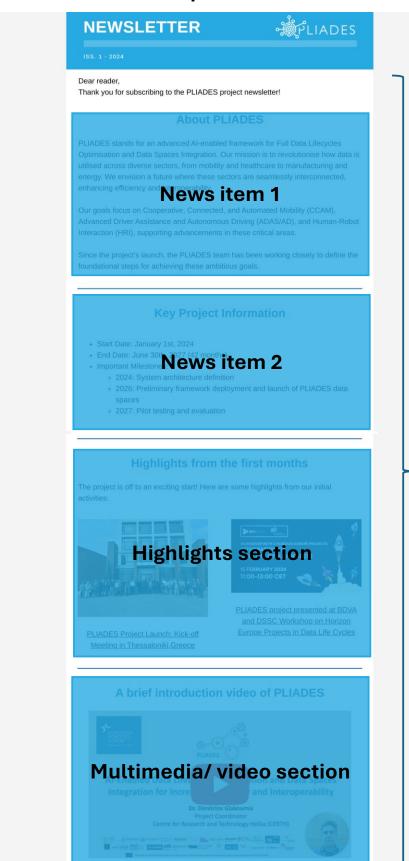






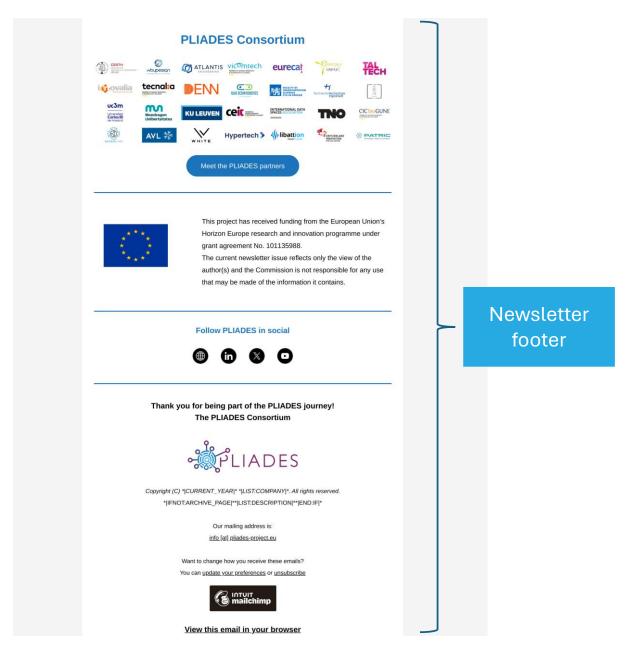


6.3 Newsletter template



News/ activities section







6.4 List of dissemination activities

No	Type of activities	Partners Involved	Title	Date	Place	Type of Audience ('multiple choices' is possible)	Size of audience	Countries addressed	Web links
			PLIADESproject started! Kick-off meeting of @HorizonEU			Followers &			
1	Web	Hypertech	@PLIADESproject at @CERTHellas	17/1/2024	Х	visitors	56 views		https://x.com/PLIADESproject/status/1747682297703190705
2	Web	Hypertech	In a dynamic two-day kick-off meeting at Centre for Research & Technology Hellas (CERTH) on 17-18/01, the PLIADES project had a fantastic start! & Exciting times ahead! & #PLIADES #ResearchProgress #HorizonEurope #research and #innovation programme	19/1/2024	LinkedIn	Followers & visitors	Impressions: 768, Clicks: 190, Click through rate (CTR): 24,74%, Likes: 26, Comments: 1, Reposts: 5, Engagement rate: 28,91%		https://www.linkedin.com/feed/update/urn:li:activity:7154108305290801155
3	Web	Hypertech	Exploring Centre for Research & Technology Hellas (CERTH) facilities, guided by Dimitris Giakoumis and Andreas Kargakos in the context of the kick-off meeting of PLIADES project ##PLIADESKickOff #researchexcellence	19/1/2024	LinkedIn	Followers & visitors	Impressions: 3074, Clicks: 757, Click through rate (CTR): 24,63%, Likes: 62, Comments: 1, Reposts: 7, Engagement rate: 26,90%		https://www.linkedin.com/feed/update/urn:li:activity:7154128802573410305
3		Tiporteon .	In a dynamic two-day kick-off meeting at @CERTHellas on 17-18/01, the PLIADES project had a fantastic start! Exciting times ahead! #PLIADES	13/1/2024	Lincon	Followers &	Impressions: 447, Clicks: 42, Click through rate (CTR):	Likes: 22, Comments: 0, Reposts: 4, Engagement	incport and incompleted appared an indicativity. A 13-12080237 3410303
4	Web	Hypertech	#ResearchProgress	19/1/2024	Х	visitors	9,40%,	rate: 15,21%	https://x.com/PLIADESproject/status/1748343681101213967
5	Web	Hypertech	Exciting news! #PLIADES project showcased at the recent workshop	21/1/2024	LinkedIn	Followers & visitors	Impressions: 447, Clicks:		https://www.linkedin.com/feed/update/urn:li:activity:7166046219369234434



8	Web	Hypertech	PLIADES Project Launch: Kick-off Meeting in Thessaloniki, Greece	7/2/2024	Online	Website's visitors	43 views		https://www.pliades-project.eu/2024/02/07/pliades-project-launch-kick-off-meeting-in-thessaloniki-greece/
7	Web	White Research	Social media post on WR's account about the Kick off meeting held in Thessaloniki	February 2024	LinkedIn	Followers & visitors	Impressions: 1080, Clicks: 369, Click through rate (CTR): 34,17%, Likes: 38, Comments: 0, Reposts: 4, Engagement rate: 38,06%		https://www.linkedin.com/posts/white-research-sprl ai-efficiency-security-activity-7155880751815667712- YzEA?utm source=share&utm medium=member desktop
6	Web	White Research	Spaces and representatives from DSSC. This event provided a crucial platform for us and four other Horizon Europe projects to discuss our goals and anticipated impacts, particularly regarding Data Sharing in the Common EU Data Spaces. Stay tuned for more updates on our journey! Check more out more: https://lnkd.in/dVXRrF2C	February 2024	Online	Website's visitors	Impressions: 411, Clicks: 20, Click through rate (CTR): 4,87%,	Likes:11, Comments: 0,Reposts: 1, Engagement rate: 7,79%	https://white-research.eu/portfolio/pliades-ai-enabled-data-lifecycles-optimization-and-data-spaces-integration-for-increased-efficiency-and-interoperability/
			organised by the BDVA - Big Data Value Association and the Data Spaces Support Centre focusing on Horizon Europe Projects in Data Life Cycles. Dr. Dimitris Giakoumis, our Coordinator from Centre for Research & Technology Hellas (CERTH), had the honour of presenting our project's mission and objectives to a diverse audience, including members of BDVA's Task Force on Data				42, Click through rate (CTR): 9,40%, Likes: 22, Comments: 0, Reposts: 4, Engagement		



				1				1	
9	Web	White Research	Mention of Kick-off of the PLIADES project meeting in the January edition of White Research Journal	9/2/2024	LinkedIn	Followers & visitors	Impressions: 547, Clicks: 25, Click through rate (CTR): 4,57%, Likes: 20, Comments: 0, Reposts: 2, Engagement rate: 8,59%		https://www.linkedin.com/pulse/welcome-january-edition-our-company-newsletter-white-research-sprl-iql0f/?trackingId=fS2RTDaS2S8HzkBukeCzDg%3D%3D
10	Web	Hypertech	PLIADES project presented at BDVA and DSSC Workshop on Horizon Europe Projects in Data Life Cycles	21/2/2024	Online	Website's visitors	53 views		https://www.pliades-project.eu/2024/02/21/pliades-project-bdva-dssc-workshop/
11	Web	Hypertech	Exciting news! #PLIADES showcased at @BDVA_EU and DSSC Workshop on Horizon Europe Projects in #DataLifeCycles. Our coordinator, Dr. Dimitrios Giakoumis highlighted our commitment to advancing European data strategies. #HorizonEurope Learn more: https://t.co/q1ckX35nKj	21/2/2024	X	Followers & visitors	62 views		https://x.com/PLIADESproject/status/1760278496738148496
		,,		March		Scientific,			
12	Videos	CERTH	European Robotics Forum, Project Overview	2024	Rimini, Italy	industry		EU	https://youtu.be/VZzrUJLq3qo
				March	•	Scientific,		European	
13	Conferences	BOR	European Robotics Forum	2024	Rimini, Italy	industry	20	countries	
14	Web	Hypertech	Exciting News from A&R Expo 2024! The recent Automation & Robotics Expo in Athens from April 12th to 14th, 2024, showcased the latest innovations in the field. Among the 120+ exhibitors was the Centre for Research & Technology Hellas (CERTH), proudly presenting PLIADES' vision and objectives. For more information, check here: https://lnkd.in/dDJttaiG	23/4/2024	LinkedIn	Followers & visitors	Impressions: 288, Clicks: 28, Click through rate (CTR): 9,72%, Likes:12, Comments: 0, Reposts: 1, Engagement rate: 14,24%		https://www.linkedin.com/feed/update/urn:li:activity:7188520794107297792
						Website's			
15	Web	Hypertech	PLIADES at the A&R Expo 2024	23/4/2024	Online	visitors	41 views		https://www.pliades-project.eu/2024/04/23/pliades-a-r-expo-2024/
16	Conferences	Atlantis Engineering SA	11th Technology Forum	25/4/2024	Thessaloniki, Greece	Industry, Researchers, Entrepreneurs, Innovators	100 (approx.)	International event	https://technology-forum.eu/



			€ Exciting News from A&R Expo 2024!					
			@CERTHellas proudly showcasing #PLIADES'					
			vision and objectives in the recent					
			Automation & Robotics Expo in Athens from					
			April 12th to 14th, 2024			Followers &		
17	Web	Hypertech	Show more here: https://t.co/Br1F3zQaNI	30/4/2024	X	visitors	42 views	https://x.com/PLIADESproject/status/1785279115601289345
		White	Cosial modile most on M/Dis second shout			Fallanna 0		https://www.linkedin.com/posts/white-research-sprl_the-pliades-project-
4.0	347-1-		Social media post on WR's account about	14- 2024	12-1-40-	Followers &	530	recently-gathered-activity-7207314221481549825-
18	Web	Research	the 2nd project meeting held in Bilbao	May 2024	LinkedIn	visitors	538	V4fM?utm_source=share&utm_medium=member_desktop
							Impressions:	
							411, Clicks:	
							20, Click	
							through rate	
			·id·				(CTR):	
			We're excited to announce that the first				4,87%,	
			press release for the #PLIADESproject is				Likes:11,	
			now live on our website! 🜮				Comments:	
			Read the press release here:				0,Reposts:	
			https://lnkd.in/dAXBCdhj				1,	
			#PressRelease #Innovation #Research			Followers &	Engagement	
19	Web	Hypertech	#Collaboration	17/5/2024	LinkedIn	visitors	rate: 7,79%	https://www.linkedin.com/feed/update/urn:li:activity:7197245987801698304
			Revolutionising Data Utilisation Across			Website's		
20	Web	Hypertech	Sectors	17/5/2024	Online	visitors	32 views	https://www.pliades-project.eu/2024/05/17/the-pliades-project/
			Exciting News! The first press release for					
			the #PLIADESproject is now available on our					
			website!			Followers &		
21	Web	Hypertech	Read it here: https://t.co/TVL9I4ZYg6	17/5/2024	Х	visitors	44 views	https://x.com/PLIADESproject/status/1791480938838307320
							Impressions:	
							1080, Clicks:	
			♠ The PLIADES team is meeting today at				369, Click	
			the AIC - Automotive Intelligence Center to				through rate	
			discuss our project progress.				(CTR):	
			Stay tuned for updates on our				34,17%,	
			achievements and outcomes and don't				Likes: 38,	
			forget to visit our website for more →				Comments:	
			https://lnkd.in/dGKaQesq				0, Reposts:	
			#PLIADESproject #Innovation #Research				4,	
			#Collaboration #HorizonEurope			Followers &	Engagement	
22	Web	Hypertech	#DataLifeCycles #DataIntegration	29/5/2024	LinkedIn	visitors	rate: 38,06%	https://www.linkedin.com/feed/update/urn:li:activity:7201565063126618113
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	♣ The #PLIADES team is meeting today at	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
			the AIC - Automotive Intelligence Center to					
			discuss our project progress. Stay tuned for					
			updates on our achievements and			Followers &		
23	Web	Hypertech	outcomes and don't forget to visit our	29/5/2024	×	visitors	185 views	https://x.com/PLIADESproject/status/1795814735608418586
25	WED	Hypertech	outcomes and don't lorget to visit our	23/3/2024	٨	VISILUIS	TOO MEMS	https://x.com/rtimbesproject/status/1/95814/55008418580





				website for more →					
				https://pliades-project.eu					
								Impressions:	
								937, Clicks:	
								352, Click	
								through rate	
				♣ The second day of the PLIADES project				(CTR):	
				is still in progress! Big thanks to Innovalia				37,57%,	
				Association for the fantastic hosting at the				Likes: 43,	
				AIC-Automotive Intelligence Center.				Comments:	
				#Innovation #Collaboration				0, Reposts:	
				#PLIADESproject #Innovation #Research				4,	
				#Collaboration #HorizonEurope			Followers &	Engagement	
24	4	Web	Hypertech	#DataLifeCycles #DataIntegration	30/5/2024	LinkedIn	visitors	rate: 42,58%	https://www.linkedin.com/feed/update/urn:li:activity:7201920999854862336
	+	WED	Пурепеси		30/3/2024	LIIIKEUIII	VISILOIS	Tate: 42,36%	Ittps://www.iiiikeuiii.com/reed/update/urii.ii.activity.7201920999834802530
				♣ The second day of the PLIADES project					
				is still in progress! Thanks to					
				@Innovalia_group for the fantastic hosting			Followers &		
25	5	Web	Hypertech	at the AIC-Automotive Intelligence Center.	30/5/2024	Χ	visitors	56 views	https://x.com/PLIADESproject/status/1796155637786648695
				Exciting News! We are introducing					
				the Ethics Advisory Board of the #PLIADES					
				project! This dedicated team will ensure					
				that our R&D activities uphold the highest					
				ethical standards.					
				Ctilical Standards.					
				and Mark and a state of the sta					
				Meet our esteemed members: Gabriela					
				B., Javier Del Ser, Andrej Pastorek, Prof.				Impressions:	
				Ondrej Pribyl, Jesus M. Santamaria and				547, Clicks:	
				sofia segkouli.				25, Click	
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				Their expertise is pivotal to our success and				(CTR):	
				ethical integrity.				4,57%,	
								Likes: 20,	
				Learn more: https://lnkd.in/dmrbw-tT				Comments:	
								0, Reposts:	
				#Ethics #HorizonEurope #Innovation #AI				2,	
				#DataProtection #DataLifeCycles			Followers &	Engagement	
2/	c .	Woh	Hyportock	•	7/6/2024	Linkodin			https://www.linkodin.com/food/wadata/wayliyastiyity/7204774047052007000
26	D	Web	Hypertech	#DataIntegration	7/6/2024	LinkedIn	visitors	rate: 8,59%	https://www.linkedin.com/feed/update/urn:li:activity:7204774947053907968
-	,	NA/I-		Introducing the PLIADES project's Ethics	7/6/2021	0.11	Website's	44.	https://www.pliades-project.eu/2024/06/11/second-plenary-meeting-of-the-
27	/	Web	Hypertech	Advisory Board	7/6/2024	Online	visitors	44 views	pliades-project-key-highlights-and-progress/





			A 5 N						
			Exciting News! Introducing the Ethics						
			Advisory Board of the PLIADES project! 🌞						
			Ensuring top ethical standards in our R&D.						
						Followers &			
28	Web	Hypertech	https://t.co/oPgd0rmcd5	7/6/2024	Χ	visitors	44 views		https://x.com/PLIADESproject/status/1799009937429078121
			Exciting progress at the 2nd plenary						
			meeting of the #PLIADES project! From WP						
			updates to hands-on demos and a visit to				Impressions:		
			Innovalia Association premises at the AIC-				961, Clicks:		
			Automotive Intelligence Center, we're				67, Click		
			moving towards Al-driven data sharing				through rate		
			across domains. Next meeting in Graz,				(CTR):		
			Austria!				6,97%,		
			Additio:				Likes: 26,		
			Charles and bather as / / Indied in /d Do NA2 with				· · · · · · · · · · · · · · · · · · ·		
			⟨→ Stay updated: https://lnkd.in/dPyM3rjy				Comments:		
			#PLIADEC #11				0, Reposts:		
			#PLIADES #HorizonEurope #Innovation #AI			Fallaa.a. 0	5,		
20	NA / - I-	II	#DataInnovation #DataLifeCycles	44/6/2024	Calada.	Followers &	Engagement		1
29	Web	Hypertech	#DataIntegration	11/6/2024	LinkedIn	visitors	rate: 10,20%		https://www.linkedin.com/feed/update/urn:li:activity:7206210971621634048
20			Second Plenary Meeting of the PLIADES	44/5/2024	0 !!	Website's			https://www.pliades-project.eu/2024/06/11/second-plenary-meeting-of-the-
30	Web	Hypertech	Project: Key Highlights and Progress	11/6/2024	Online	visitors	80 views		pliades-project-key-highlights-and-progress/
			Exciting progress at the 2nd #PLIADES						
			plenary meeting! From WP updates to						
			demos and a visit to @Innovalia_group						
			premises, we're advancing Al-driven data						
			sharing. Next stop: Graz, Austria!			Followers &			
31	Web	Hypertech	্রে Stay updated:https://t.co/9QhMq5JOfL	11/6/2024	Χ	visitors	93 views		https://x.com/PLIADESproject/status/1800447630168011014
						Scientific			
			Unraveling biological aging: machine			Community			
			learning models for identifying age-related			(higher			
			metabolic deterioration from NMR serum	30 June – 4	EUROMAR.	education,		International	
32	Posters	CICbioGUNE	data	July 2024	Bilbao	Research)	700	(~100)	
			Mention of 2nd PLIADES project meeting in						https://www.linkedin.com/pulse/white-research-journal-summer-2024-
		White	the summer edition of White Research			Followers &			edition-white-research-sprl-
33	Web	Research	Journal	31/7/2024	LinkedIn	visitors	576		nlvhf/?trackingId=RM3nPGVkRZOnTkTgi5rGuQ%3D%3D
				August				Singapore,	
34	Conferences	BOR	ICSR + BioMed	2024	Singapore	Scientific	40	China	
						Research,			
			Tech Talk Aligning international standards			Scientific,		International	
35	Other	IDSA	for data space interoperability	13/6/2024	Online	Industry	40	event	_
				07-	Thessaloniki,	Industry,			
36	Fair	CERTH	Thessaloniki International Fair	15/6/2024	Greece	Researchers,			



							I			
							Entrepreneurs,			
							Innovators			
				★ Excited to announce that PLIADES with						
				Bernhard Peischl (AVL) will join @DS2_EU 's						
				session with @nous_project,						
				@CyclopsProject						
				& @cedar_eu at @BDVA_eu 2024!						
				Topic: Interoperability of data spaces for			Followers &			
3	7	Web	Hypertech	seamless value creation	1/10/2024	X	visitors	38 views		https://x.com/PLIADESproject/status/1841143355675160986
				★ We are excited to announce that						
				PLIADES project, with Bernhard Peischl						
				from AVL, will be participating in the joint						
				session led by DS2, alongside our sister						
				projects NOUS, CyclopsProject and CEDAR						
				EU at this year's BDVA - Big Data Value				Impressions:		
				Association #EBDVF2024!				451, Clicks:		
				ASSOCIATION WEDD VI 2024;				24, Click		
				Interoperability of data spaces for				through rate		
				seamless value creation networks				(CTR):		
				2 October				5,32%,		
				① 10 AM CET				Likes: 15,		
								Comments:		
				P Budapest, Hungary				0, Reposts:		
								1,		
				Learn more about the session 🕃			Followers &	Engagement		
3	8	Web	Hypertech	https://lnkd.in/dKRpSi64	1/10/2024	LinkedIn	visitors	rate: 8,87%		https://www.linkedin.com/feed/update/urn:li:activity:7246908755597049856
				Unlock the Power of Data Sharing at EBDVF						
				2024: Enhancing Value Creation Through			Website's			
3	9	Web	Hypertech	Interoperable Data Spaces	1/10/2024	Online	visitors	25 views		https://www.pliades-project.eu/2024/10/01/ebdvf-2024/
				Session title: "Interoperability of Data			Industry;			
				Spaces for Seamless Value Creation			Researchers;			
		Presentations;		Networks", European Big Data Value Forum		Budapest,	Innovators;			
4	0	Conferences	AVL	(EBDVF)	2/10/2024	Hungary	Policy makers		EU	
			Atlantis							
			Engineering			Athens,				
4	1	Conferences	SA	17th Maintenance Forum	10/10/2024	Greece	Industry	150	Greece, EU	https://www.maintenance-forum.gr/
			Atlantis							
			Engineering		11-	Athens,				
4	2	Exhibitions	SA	5th Energia.Tec	13/10/2024	Greece	Industry	300	Greece, EU	https://www.energia-tec.gr/en/
				Our session on "Interoperability of Data						
				Spaces for Seamless Value Creation						
				Networks" at #EBDVF24 was a huge						
				success!						
				@BernhardPeischl from AVL presented			Followers &			
4	3	Web	Hypertech	#PLIADES alongside	23/10/2024	Χ	visitors	68 views		https://x.com/PLIADESproject/status/1849053168388182194



			ODC3 FIL Occur assists					
			@DS2_EU, @nous_project,					
			@CyclopsProject & @cedar_eu.					
			Learn more at https://pliades-					
			project.eu/news/ ©					
			Webinar: International Data Spaces					
			Reference Architecture Model (IDS-RAM)					
			On 19th April 2024, we hosted an exciting					
			webinar about the International Data Spaces Reference Architecture Model (IDS-					
			RAM) in the context of the PLIADES project.					
			The event showcased expert discussions on				Impressions: 298, Clicks:	
			the latest version of IDS-RAM and its role in				17, Click	
			shaping data space interoperability across				through rate	
			multiple sectors.				(CTR):	
			•				5,70%,	
			Missed it? Watch the full recording				Likes: 14,	
			here: https://lnkd.in/dJ9DdiXt				Comments:	
							0, Reposts:	
			#IDS #IDA_RAM #DataSpaces				1,	
			#DigitalTransformation #PLIADES			Followers &	Engagement	
44	Web	Hypertech	#Interoperability #webinar #IDSA	23/10/2024	LinkedIn	visitors	rate: 10,74%	https://www.linkedin.com/feed/update/urn:li:activity:7257343445332058112
			On the 2nd of October, Bernhard Peischl					
			from AVL proudly represented the PLIADES					
			project at this significant event in Budapest.					
			The session, led by DS2 and attended by our					
			sister projects: NOUS, CyclopsProject and					
			CEDAR EU, delved deep into critical topics					
			like data lifecycle management, Al-driven services and human-centred integration					
)					
			within data spaces $ \widehat{\mathbb{Q}} $				Impressions:	
			We explored how data interoperability can				625, Clicks: 146, Click	
			drive value creation across sectors, helping				through rate	
			unlock new opportunities for businesses				(CTR):	
			and society.				23,36%,	
			a 555.517.				Likes: 29,	
			Want to know more about the outcomes?				Comments:	
			Visit https://lnkd.in/dGKaQesq for updates!				0, Reposts:	
			, , , , , , , , , , , , , , , , , , , ,				2,	
			#DataSpaces #Interoperability #AI #BigData			Followers &	Engagement	
45	Web	Hypertech	#Innovation #EBDVF2024	23/10/2024	LinkedIn	visitors	rate: 28,32%	https://www.linkedin.com/feed/update/urn:li:activity:7254816772254539778
			Interoperability of Data Spaces for Seamless					
			Value Creation Networks – A Great Success			Website's		
46	Web	Hypertech	at EBDVF 2024!	23/10/2024	Online	visitors	23 views	https://www.pliades-project.eu/2024/10/23/ebdvf-2024-avl/



				SØ: MAZ-L: III'-L I'-L I I II - I - I I I - I					
				#Webinar Highlight: Learn all about the					
				#IDS Reference Architecture Model (IDS-					
				RAM) and data space protocols from the					
				event organised by #IDSA as part of the #PLIADES project!					
				Watch the full recording on YouTube: Watch here					
				https://youtube.com/watch?v=fiO44bFu1kg					
				2			Followers &		
47	, We	eb	Hypertech	#IDS #DataSpaces	30/10/2024	Х	visitors	32 views	https://x.com/PLIADESproject/status/1851579474510283105
				Insights from the PLIADES Webinar on					
				International Data Spaces Reference			Website's		
48	We	eb	Hypertech	Architecture (IDS-RAM)	30/10/2024	Online	visitors	30 views	https://www.pliades-project.eu/2024/10/30/ids-ram-webinar/
				The #PLIADES team is gearing up for the					
				3rd Plenary Meeting in Graz, Austria AT					
				from Nov 19-21!					
				Malra avaited to drive ferward #DataSpaces					
				We're excited to drive forward #DataSpaces & #AI innovations with sessions, updates,					
				and our WP4 Hackathon for hands-on,					
				collaborative solutions!			Followers &		
49	We	eb	Hypertech	https://t.co/RnE4DQkFU0	14/11/2024	x	visitors	36 views	https://x.com/PLIADESproject/status/1857033449502126309
			71	The 3rd Plenary Meeting of the PLIADES	, , -				
				project is set to take place in Graz, Austria,					
				from November 19th to 21st! Hosted by					
				AVL, this gathering will showcase critical					
				updates on all project Work Packages					
				(WPs).					
				× Kar Frank The M/D4 Had alle and ill at					
				☆ Key Event: The WP4 Hackathon will give **The data of the data. **The data of the data. **The data of the data. **The data of the data. **The data of the data. **The data of the data. **The data of the data. **The data of the data. **The data of the data. **The data of the data					
				attendees a hands-on experience with the systems PLIADES is developing. Participants				Impressions: 370, Clicks:	
				will work in mixed remote and on-site				19, Clicks:	
				teams to brainstorm solutions, focusing on				through rate	
				IDS RAM and connector development.				(CTR):	
								5,14%,	
				https://lnkd.in/d_VwmTKu				Likes: 17,	
				· ·				Comments:	
				#PLIADESProject #DataSpaces #AI				0, Reposts:	
				#DataInnovation #GrazMeeting				1,	
				#DataLifeCycles #DataIntegration			Followers &	Engagement	
50) We	eb	Hypertech	#HorizonEurope	14/11/2024	LinkedIn	visitors	rate: 10,00%	https://www.linkedin.com/feed/update/urn:li:activity:7262798525460062210
				Countdown to the 3rd PLIADES Plenary			Website's		https://www.pliades-project.eu/2024/11/14/3rd-plenary-announcement-
51	. We	eb	Hypertech	Meeting in Graz	14/11/2024	Online	visitors	17 views	graz/



			newsletter is out!						
			Catch the latest updates on our journey to						
			transform #AI & #DataSpaces in mobility,						
			healthcare & more.						
			Read now:						
			https://mailchi.mp/bc644c5be18f/pliades-						
			newsletter-1						
			? Not subscribed? Sign up at						
			https://pliades-project.eu						
			metpo,//pinadeo projectica			Followers &			
52	Web	Hypertech	#HorizonEurope	15/11/2024	Х	visitors	13 views	<u>h</u>	https://x.com/PLIADESproject/status/1857369422727377004
			The first issue of the PLIADES						
			newsletter is out!						
			Discover the latest updates from the						
			PLIADES project, our objectives, milestones,						
			and exciting highlights from the initial						
			months of our journey toward revolutionising data utilisation across						
			mobility, healthcare, manufacturing and						
			energy sectors.						
			Read the newsletter now: https://lnkd.in/dZ7zGu_F						
			https://inku.iii/uz/zdu_i				Impressions: 427, Clicks:		
			? Not a subscriber yet? Stay informed				26, Click		
			about our progress and innovations by				through rate		
			joining the PLIADES newsletter today!				(CTR):		
			Sign up in moments: Scroll to the footer				6,09%, Likes: 18,		
			of our website and click "Sign up" to the				Comments:		
			newsletter: https://lnkd.in/dGKaQesq				0, Reposts:		
			#PULA DEC Decident #Ularing or Fundage #A1			Falla 0	3,		
53	Web	Hypertech	#PLIADESProject #HorizonEurope #AI #DataSpaces #Innovation #Newsletter	15/11/2024	LinkedIn	Followers & visitors	Engagement rate: 11,01%	h	https://www.linkedin.com/feed/update/urn:li:activity:7263133975429201920
- 55		1, per cean	Day 1 of the 3rd PLIADES Plenary	-5, -1, -52		1.5.00.0			The state of the s
			Meeting in Graz!						
			Heatedle AVII and the office the						
			Hosted by AVL, we kicked off with progress reviews across WPs and launched the			Followers &			
54	Web	Hypertech	#Hackathon session, fostering collaboration	19/11/2024	Х	visitors	21 views	h	https://x.com/PLIADESproject/status/1858882620446089661



			- IDC DAM d d d d					
			on IDS RAM and connector development.					
			A https://pliades-project.eu/news/					
			■ Day 1 of the 3rd PLIADES project					
			Plenary Meeting in Graz!					
			Hosted by AVL, today marked an energetic					
			start to our meeting as we delved into					
			detailed discussions and updates,					
			approaching the end of the project's first					
			year. 🗱					
			Key Highlights:					
			Progress reviews across several Work					
			Packages (WPs), ensuring alignment with					
			our goals.					
			The much-anticipated #Hackathon Session					
			is now underway, uniting remote and on-					
			site participants to collaborate on IDS RAM					
			and connector development- a true					
			testament to innovation and teamwork!					
			With an excellent start, we're looking					
			forward to more engaging discussions and					
			activities in the coming days! 🔗					
							Impressions:	
			Subscribe to our newsletter to stay in				1483, Clicks:	
			the loop & receive all the latest updates,				343, Click	
			event news, and opportunities to be				through rate	
			involved. Scroll to the footer of our website				(CTR):	
			and click "Sign up" to the newsletter:				23,13%,	
			https://lnkd.in/dGKaQesq				Likes: 57,	
							Comments:	
			#PLIADESProject #DataSpaces #AI				0, Reposts:	
			#Collaboration #Innovation				8,	
						Followers &	Engagement	
55	Web	Hypertech	DS2 NOUS CEDAR EU CyclopsProject	19/11/2024	LinkedIn	visitors	rate: 27,51%	https://www.linkedin.com/feed/update/urn:li:activity:7264647133859901441
			■ Day 2 of the 3rd PLIADES Plenary				Impressions:	
			Meeting - Building on Progress and				1416, Clicks:	
			Exploring Innovations!				388, Click	
							through rate	
			The second day of our meeting continues				(CTR):	
			with an engaging agenda, focusing on				27,40%,	
			technical advancements and collaboration.			Followers &	Likes: 46,	
56	Web	Hypertech	This morning, we delved deep into WP4:	20/11/2024	LinkedIn	visitors	Comments:	https://www.linkedin.com/feed/update/urn:li:activity:7264976290858876929



			Green and Decentralized Data Storage and				0, Reposts:	
			Security, with detailed updates on WP				8,	
			tasks. 👣 🛅				Engagement	
			tasia.				rate: 31,21%	
			W				14(0. 51,2170	
			We also reviewed WP8: Dissemination,					
			Exploitation, and Standardization,					
			highlighting progress on dissemination					
			activities, the exploitation plan, and training					
			programs - key steps toward impactful					
			outcomes. 🌞					
			The program now shifts to Technical					
			Workshops, exploring our innovative Use					
			Cases.					
			Cases.					
			As we wrap up the day, we eagerly await					
			the exciting visit to AVL premises for an					
			immersive look into their state-of-the-art					
			facilities. 🜮					
			raciirdes. 🚜					
			The momentum continues as the PLIADES					
			project moves towards its vision of					
			advancing data spaces, AI, and green					
			solutions!					
			#PLIADESProject #DataSpaces #AI					
			#Collaboration #Innovation #HorizonEurope					
			DS2 NOUS CEDAR EU CyclopsProject					
			A dynamic period for the PLIADES					
			project! ATLANTIS Engineering SA proudly					
			represented PLIADES innovations at both					
			the 17th Maintenance Forum and the 5th					
			Energia.Tec exhibition.				Impressions:	
							262, Clicks:	
			At the Maintenance Forum, Atlantis				28, Click	
			showcased PLIADES' AI solutions that				through rate	
			enhance interoperability across diverse				(CTR):	
			dataspaces. Meanwhile, at Energia.Tec,				10,69%,	
			Atlantis showcased PLIADES cutting-edge				Likes: 21,	
			advancements in dataspace technology.				Comments:	
							0, Reposts:	
			Read more: https://lnkd.in/d7CcNt4U				2,	
			, , , , , , , , , , , , , , , , , , , ,			Followers &	Engagement	
57	Web	Hypertech	More to come as we lead the way in data-	25/11/2024	LinkedIn	visitors	rate: 19,47%	https://www.linkedin.com/feed/update/urn:li:activity:7266794234584682497
37	AACD.	Trypertecti	Wille to come as we lead the way ill data-	23/11/2024	LITINEUITI	VISILUIS	Tale. 13,4770	https://www.iirikediff.com/feed/update/ufff.iir.activity:/200/9423458468249/



			driven solutions!					
			#PLIADESproject #Innovation #Dataspaces					
			#AI #IndustrialMaintenance					
			#EnergyTechnology #HorizonEurope					
			DS2 NOUS CEDAR EU CyclopsProject					
			Atlantis Engineering showcases PLIADES					
			innovations at the 17th Maintenance Forum			Website's		https://www.pliades-project.eu/2024/11/25/atlantis-participations-
58	Web	Hypertech	and 5th Energia.Tec	25/11/2024	Online	visitors	40 views	october2024/
			@ DS2_EU leads the release of the new					
			report "Enhancing Value Creation Through					
			Interoperable Data Spaces" with					
			@PLIADESproject, @cedar_eu,					
			@CyclopsProject and @nous_project,					
			showcasing insights from the Data Spaces					
			Cluster at BDVA EBDVF 2024.			Followers &		
59	Web	Hypertech	https://t.co/L1xlAM6j8V	29/11/2024	Χ	visitors	16 views	https://x.com/PLIADESproject/status/1862499754447368599
			■ New Report Released!					
			We are thrilled to announce the release of					
			"Enhancing Value Creation Through					
			Interoperable Data Spaces" a report led by					
			DS2 in collaboration with PLIADES project,					
			CEDAR EU, CyclopsProject and NOUS. This					
			report highlights the key takeaways from					
			the Data Spaces Cluster participation at the					
			BDVA EBDVF 2024 in October 2024.					
			The report encapsulates the discussions					
			from the panel session "Interoperability of					
			Data Spaces for Seamless Value Creation					
			Networks"					
							Impressions:	
			Read the full report here:				359, Clicks:	
			Attps://lnkd.in/d_3AujET				12, Click	
			, , , , , , , , , , , , , , , , , , , ,				through rate	
			Sign up in moments: Scroll to the footer				(CTR):	
			of our website and click "Sign up" to the				3,34%,	
			newsletter: https://lnkd.in/dGKaQesq				Likes: 20,	
			and a state of the				Comments:	
			#EUOpenData #Dataspaces #Innovation				0, Reposts:	
			#PLIADESproject #DataSpacesCluster				2,	
						Followers &		
60	Web	Hypertech	,,	29/11/2024	LinkedIn	visitors	rate: 9,47%	https://www.linkedin.com/feed/update/urn:li:activity:7268264394990473216
60	Web	Hypertech	#Interoperability #HorizonEurope	29/11/2024	LinkedIn	Followers & visitors	Engagement rate: 9,47%	https://www.linkedin.com/feed/update/urn:li:activity:7268264394990473216



			DS2 CEDAR EU CyclopsProject PLIADES					
			project NOUS					
			Enhancing Value Creation Through					
			Interoperable Data Spaces: Insights from			Website's		
61	Web	Hypertech	the Data Spaces Cluster Report	29/11/2024	Online	visitors	14 views	https://www.pliades-project.eu/2024/11/29/ebdvf-data-spaces-cluster-
01	Web	пурептесті		29/11/2024	Offilite	VISILUIS	14 views	report/
			Over 50 participants from 27 partner					
			organisations gathered in Graz, Austria AT					
			for a 3-day event packed with:					
			◇ Progress Updates					
			♦ Use Case Workshops					
			◇ Hackathon session 🎇					
			◆ AVL Facility Tour					
			○ AVE Facility Tour					
						Followers &		
62	Web	Hypertech	Pror more: https://t.co/KtzOWCaYqz	9/12/2024	Х	visitors	13 views	https://x.com/PLIADESproject/status/1866100498425864268
			Reflecting on the 3rd PLIADES Plenary					
			Meeting! &					
			5 5.					
			From 19-21 November 2024, over 50					
			project members from 27 partner					
			organisations gathered in Graz, Austria, for					
			the 3rd Plenary Meeting of the PLIADES					
			Project, hosted by AVL. This critical					
			gathering of partners drove the project					
			closer to its 12th-month milestone and was					
			packed with technical insights and					
			_ ·					
			collaborative problem-solving.					
			Va. Highlighte.					
			Key Highlights:					
			Progress Updates: Status of major				Impressions:	
			deliverables and next steps.				398, Clicks:	
			☑ Use Case Workshops: Alignment on				29, Click	
			data flow integration and technical testing.				through rate	
			✓ Hackathon Success: WP4 Hackathon led				(CTR):	
			by Energy@Work, CEIT, and TNO, enabling				7,29%,	
			participants to collaborate on IDS RAM and				Likes: 19,	
			connector development				Comments:	
			✓ Tour of AVL Facilities: A unique				0, Reposts:	
			opportunity to explore partner				1,	
			contributions on-site.			Followers &	-	
62	Woh	Hyportoch		0/12/2024	Linkodln		Engagement	https://www.lipkadip.com/food/undate/usplicativity/7374954403733005000
63	Web	Hypertech	This 3-day meeting showcased the power of	9/12/2024	LinkedIn	visitors	rate: 12,31%	https://www.linkedin.com/feed/update/urn:li:activity:7271864193732005889



			T				1	
			collaboration, innovation, and shared					
			ambition. As we approach our M12					
			milestone, the team remains committed to					
			driving forward the next generation of Al-					
			enabled data spaces.					
			#PLIADES #DataSpaces #AI #Innovation					
			#Collaboration #PlenaryMeeting					
			#GreenData #DigitalTransformation					
			#HorizonEurope					
			DS2 CEDAR EU CyclopsProject NOUS					
			PLIADES 3rd Plenary Meeting: Milestones			Website's		
64	Web	Hypertech	Reached, Next Steps Defined	9/12/2024	Online	visitors	51 views	https://www.pliades-project.eu/2024/12/09/3rd-plenary-meeting-highlights/
			The 2nd issue of the #PLIADES					
			newsletter is coming soon!					
			■ Don't miss out - sign up now!					
			Scroll to the footer of our website &					
			click "Sign up": https://pliades-project.eu					
						Followers &		
65	Web	Hypertech	#Innovation #Research #Newsletter	10/12/2024	Х	visitors	15 views	https://x.com/PLIADESproject/status/1866431769840628057
			Ø Our Sister Project DS2 Needs Your				Impressions:	
			Feedback! 🜮				89, Clicks:	
			The DS2 project from the Data Space				11, Click	
			Cluster is running a quick survey on B2B				through rate	
			data sharing, and your insights are				(CTR):	
			essential! By participating, you'll help				12,36%,	
			shape the future of data spaces and open				Likes: 4,	
			data initiatives.				Comments:	
							0, Reposts:	
			Let's support DS2 and strengthen the				0,	
			#EUOpenData, #Dataspaces, and			Followers &	Engagement	
66	Web	Hypertech	#Datacuration community!	10/12/2024	LinkedIn	visitors	rate: 16,85%	https://www.linkedin.com/feed/update/urn:li:activity:7272230541033168896
			The 2nd issue of the PLIADES newsletter				Impressions:	
			is on its way! 😥				141, Clicks:	
			Don't miss out on the latest project					
			updates, key highlights, and exclusive				13, Click	
			insights from recent activities, including our				through rate	
							(CTR):	
			successful 3rd Plenary Meeting in Graz!				9,22%,	
			? Not a subscriber yet? Stay ahead of the				Likes: 7,	
			curve and join our growing community.				Comments:	
			Ø Sign up is quick and easy - scroll to the				0, Reposts:	
			footer of our website and click "Sign up" to			Followers &	0,	
			the newsletter: https://lnkd.in/dGKaQesq				0,	



							rate:	
			Be the first to know - subscribe today!				14,18%	
			#PLIADES #Newsletter #Innovation					
			#Research #StayInformed #HorizonEurope					
			,,					
			DS2 CEDAR EU CyclopsProject NOUS					
			D32 CEDAN EO Cyclop3i Toject NOO3					
			☐ New Publication!					
			We're excited to announce PLIADES's first					
			#conference #paper: "Automated Data					
			Labelling for Pedestrian Crossing and Not-					
			Crossing Actions Using 3D LiDAR and RGB					
			Data", presented at the 2024 IEEE IST					
			Conference in Tokyo.			Followers &		
68	Web	Hypertech		11/12/2024	Χ	visitors	13 views	https://x.com/PLIADESproject/status/1866782035731419628
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			We are thrilled to announce the publication					
			of PLIADES project first conference paper:					
			"Automated Data Labelling for Pedestrian					
			Crossing and Not-Crossing Actions Using 3D					
			LiDAR and RGB Data".					
			LIDAN and NOB Data .					
			This is a such as a such as a district					
			This innovative paper, co-authored by					
			Kosmas Tsiakas, Dimitris Alexiou, Dimitris					
			Giakoumis, Antonis Gasteratos, and					
			Dimitrios Tzovaras, was presented at the					
			2024 IEEE International Conference on					
			Imaging Systems and Techniques (IST) in				Impressions:	
			Tokyo, Japan.				424, Clicks:	
							35, Click	
							through rate	
			here: https://lnkd.in/d59J9_e2				(CTR):	
			, , , , , , , , , , , , , , , , , , , ,				8,25%,	
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							0, Reposts:	
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			BC0 CED +D E11 C D C 1 1 1 1 1 1 1 1 1	11/12/22		Followers &	Engagement	
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				PLIADES unveils first conference paper on					
				Automated Data Labelling for Pedestrian					
				Crossing and Not-Crossing Actions Using 3D			Website's		https://www.pliades-project.eu/2024/12/11/pliades-conference-paper-on-
7	0	Web	Hypertech	LiDAR and RGB Data	11/12/2024	Online	visitors	59 views	automated-data-labelling/
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7	2	Web	Hypertech	DS2 CEDAR EU CyclopsProject NOUS	13/12/2024	LinkedIn	visitors	rate: 22,22%	https://www.linkedin.com/feed/update/urn:li:activity:7273273418056163328