



- Creating the future of data spaces in Europe -

Project 101123471 – EDGE-Skills

D4.1 Stakeholder Engagement Plan _ revised

December 2025



Summary

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1. Introduction

Prometheus-X is a non-profit organisation, founded in October 2021, focusing on developing data spaces for education and skills across Europe. Its mission is to empower individuals and organisations to exchange data responsibly and securely, and to strengthen European economic competitiveness by enabling meaningful, high-quality data exchange that drives innovation in education, skilling, and beyond. It addresses technological and governance challenges by fostering transparent governance frameworks, common trust and interoperability specifications and business-model innovation for data-spaces.

The **EDGE-Skills project (European Dataspace for Growth and Education-Skills)** is a flagship programme cofunded by the European Union through the Digital Europe Programme coordinated by Prometheus-X, designed to operationalize the vision of a human-centric, interoperable data-space infrastructure across Europe focused on education and skills. It unites 36 public and private organisations from eight EU member states, spanning universities, training providers, EdTech firms, and data-ecosystem specialists.

Its mission is to improve the competitiveness of the EU labour force in the global market, by establishing an interoperable data infrastructure for European education and skills sectors. The aim is to improve the opportunity for better qualifications and learning opportunities and hence increase job opportunities and personal skills sets. To achieve its goal Prometheus-X is working closely with relevant stakeholders. The stakeholder engagement plan serves to identify all relevant stakeholders to reflect the diversity and tailor engagement strategies accordingly.

2. Stakeholder Engagement Plan

A Stakeholder Engagement Plan (SEP) consists of several key components that effectively organise communication and interaction with stakeholders. These are as follows:

- Identification of Stakeholder
- Stakeholder Risk Analysis & Mitigation Matrix
- Communication and Outreach Strategy
- SMART Indicators - Monitoring and measuring success
- Phased Engagement Roadmap / Timeline



2.1. Identification of Stakeholders

Within the Prometheus-X initiative and the EDGE-Skills project several stakeholders have been identified:

Stakeholder group	Examples / Entities	Role / Interest / Influence	How to engage them / what they need
Core Consortium / Project Partners	Entities directly involved in Prometheus-X and make an active contribution to the success of the initiative	Provide resources, co-design infrastructure, develop use cases, steer the direction of Prometheus-X	Regular coordination, governance meetings, joint decision-making, transparency on roadmap & responsibilities
EdTech Providers & Service Providers	EdTech companies and Technology Service providers who want to contribute to the use cases (solutions), to offer their services/products and engage with the data space community (e.g. within the project Headai, Inokufu, Schülerkarriere, imc Scheer, Edunao, etc)	Develop/use data-space compatible services, contribute data, deliver learning/training/job-matching services	Onboarding/integration support/how to instructions (EDGE-Skills Guide), documentation, consent/trust frameworks, feedback for improvements
Educational Institutions & Training Organisations	Universities, high schools, colleges, training organisations, adult education (e.g. within the project University of Koblenz, CNAM)	Provide data (learning records, credentials), consume data, adopt infrastructure for learners/employees	Outreach, training, support on data-sharing, consent/trust framework, GDPR compliance, incentives to join data space



<p>Learners / Students / Individuals</p>	<p>Students, job-seekers, employees seeking upskilling</p>	<p>Primary beneficiaries of better education, career matching, lifelong learning, data sovereignty</p>	<p>Clear communication, consent/trust mechanisms, user-friendly services, transparency on data usage and benefits</p>
<p>Employers / HR / Corporations</p>	<p>Organizations/HR using skills analytics & forecasting for workforce planning</p>	<p>Use data for recruitment, upskilling, workforce planning, matching talent & skills demand</p>	<p>Engagement via pilots, joining running use cases, demonstration of value, data- governance clarity</p>
<p>Technical / Infrastructure Providers / Developers</p>	<p>Organisations building data space infrastructure and technical components/ building-blocks (e.g. within the project Visions, BME)</p>	<p>Develop, maintain, and evolve the technical backbone; ensure interoperability, security, scalability</p>	<p>Technical coordination, open-source community engagement, documentation, testing, feedback loops</p>
<p>Policy Makers / Public Bodies / Regional Governments</p>	<p>EU institutions, government, national/regional education & skilling departments, (Prometheus-X is co-funded by European Union and France Relance program)</p>	<p>Support as funders, regulators, ensure alignment with public objectives (education, workforce, data governance)</p>	<p>Transparent reporting, alignment with regulatory and public-interest mandates</p>
<p>Data-Economy Opinion-Leaders & Standard-Bodies</p>	<p>IDSA, GAIA-X, DSSC, BDVA, FIWARE, their national/regional “hubs”, partner projects e.g. DS4Skills-GO</p>	<p>define standards, trust frameworks, architectures, compliance regimes; set the “rules of the game” for data spaces</p>	<p>regular liaison or cooperation, participation in working groups, alignment of Prometheus-X architecture with their frameworks & standards,</p>



		and data economy in Europe.	share use-cases and lessons learned from Prometheus-X to inform broader policies/standards
Civil Society / NGOs / Media / Public	Public advocacy groups, NGOs interested in skills development, lifelong learning, data ethics, digital inclusion; media covering Prometheus-X developments	Influence public acceptance, raise concerns, ensure transparency and fair access, bring visibility to Prometheus-X efforts	Public outreach, newsletters, events, transparency reports, open consultations



2.2. Stakeholder Risk Analysis & Mitigation Matrix

Stakeholder engagement is a critical success factor for Prometheus-X and its use cases, particularly given the complexity of the education and skills data-space ecosystem. Risks related to stakeholder alignment, participation, governance, and adoption must therefore be systematically identified and managed. For each stakeholder group, key risks, mitigation measures, responsibilities, and timelines are defined to ensure proactive risk management and alignment with overall project governance.

Stakeholder Group	Key Risks of Engagement Failure	Risk Mitigation Activities	Responsible Roles	Timeline
Core Consortium / Project Partners	Coordination failures; delivery delays; partner withdrawal; quality issues	Strong project governance; monthly Steering Committee meetings; documented processes; partner substitution planning	PC, PM, PMB	Continuous (all phases)
EdTech & Service Providers	Low adoption; unclear value proposition; insufficient integration Insufficient end users	Early business-case validation; co-creation workshops; staged onboarding; integration support	Use Case Leaders (UCLs), WP2 Lead	Phase 1–3
Educational Institutions & Training Organisations	Data-sharing reluctance; privacy concerns; Heterogeneous data policies limited user participation	Clear consent models; GDPR-by-design governance; institutional onboarding packs; data policy alignment	UCLs, WP2 Lead, Data Protection Officer	Phase 1–3



Learners / Students / Individuals	Low trust; refusal to consent; weak adoption/insufficient end users Poor quality of results	Transparent consent UX; user-centric communication; privacy-by-design; usability testing loops	UCLs, WP4 Lead, UX Lead	Phase 2–4
Employers / HR	Limited engagement; No clear value of data ecosystems; confidentiality concerns	Employer-focused KPIs; sector-specific pilots; confidentiality safeguards; business-value communication	WP2 Lead, Business Lead	Phase 1–4
Technical & Infrastructure Providers	Building blocks fail to integrate; Building block not launchable in marketplaces scalability or security issues; Low data quality	Modular architecture; interoperability tests; staged releases; early marketplace compatibility checks	WP3 Lead, Technical Leads	Phase 2–3
Policy Makers / Regulators	Non-compliance/Ethical breach on data ; Governance model risks	Regular compliance reviews; policy briefs; governance documentation	PC, WP2 Lead	Phase 1–4 (milestone-based)
Ecosystem Opinion-Leaders / Standardisation Bodies	No clear value of data ecosystems; misalignment with reference architectures; lack of endorsement; delayed interoperability validation	Early alignment workshops; architecture mapping reviews; participation in working groups; formal interoperability checkpoints	Project Coordinator (PC), WP3 Lead, Standardisation Liaison	Phase 1–2 (Initialization & Design), annual reviews



Civil Society / NGOs / Media / Public	Reputational risks; misinformation; low awareness/Low reach of information	Proactive communication; transparency reports; targeted outreach via multipliers	WP4 Lead	Phase 3–4
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2.3. Communication & Outreach Strategy

Effective communication and outreach are essential to ensuring that Prometheus-X is widely understood, trusted, and adopted by all relevant stakeholder groups. The communication and outreach strategy defines how PTX engages stakeholders through structured messaging, transparent information flows, and purpose-specific channels. It aims to support stakeholder onboarding, strengthen participation in use-cases, and highlight the societal, educational, and economic benefits of the project. By tailoring communication formats to the specific needs, priorities, and influence levels of each stakeholder group, PTX ensures that information is accessible, relevant, and actionable.

Stakeholder Group	Communication & outreach activities
Core Consortium / Project Partners	<p>Regular meetings:</p> <ul style="list-style-type: none"> ● Consortium meetings in person twice a year ● Monthly consortium plenary meetings (online) ● Monthly project management board meetings (coordinator, manager and WP leaders) ● WP meetings on a weekly or bi-weekly basis ● Monthly meeting with grant authority (PO) <p>Establishment of a common communication and documentation storage system:</p> <ul style="list-style-type: none"> ● G-Drive for documentation storage ● Wimi ● Github



	<ul style="list-style-type: none"> • Slack <p>A corporate design and identity was created providing logo, visual contents, templates or documents and presentations for a uniform appearance of the initiative/project.</p>
EdTech Providers & Service Providers	<ul style="list-style-type: none"> • Technical onboarding sessions and hands-on workshops (2-4 times a year) • Website with information on architecture, infrastructure, building blocks and marketplace • Detailed information on Github available • Co-creation sessions for development updates and feature improvements • Whitepaper and “How to EDGE-Skills Guide”
Educational Institutions & Training Organisations	<ul style="list-style-type: none"> • Quarterly event-series “Prometheus-X Unveiled”: Webinars presenting use cases/solutions/services • Whitepaper and “How to Guide” • Website www.prometheus-x.com • Communication outreach campaigns through social media channel LinkedIn • Quarterly published newsletter • Participation on Education & HR events presenting Prometheus-X and representative projects/solutions
Learners / Students / Individuals	<ul style="list-style-type: none"> • Social Media campaigns • User-centric information campaigns (videos, persona-stories, testimonials, podcasts) • Participation on Education & Skilling Events • Press articles



<p>Employers / HR / Corporate Stakeholders</p>	<ul style="list-style-type: none"> • Quarterly event-series “Prometheus-X Unveiled”: Webinars presenting use cases/solutions/services • Whitepaper and “How to Guide” • Website www.prometheus-x.com • Communication outreach campaigns through social media channel LinkedIn, videos, podcasts, etc. • Quarterly published newsletter • Targeted outreach at HR tech conferences.
<p>Technical & Infrastructure Providers</p>	<ul style="list-style-type: none"> • Internal Biweekly technical working-group meetings (WP3) • Technical demonstrations - hands-on workshops • Access to architecture repository, API documentation, Github • Website with information on architecture, infrastructure, building blocks and marketplace
<p>Policy Makers / Public Bodies / Regulators</p>	<ul style="list-style-type: none"> • Annual meetings with funding authority / in the last project year on a monthly basis • Participation in EU-level digital policy events. • Deliverable reports shared publicly on website • Whitepapers / Roundtables
<p>Ecosystem Opinion-Leaders / Standardisation Bodies</p>	<ul style="list-style-type: none"> • Quarterly strategic exchange meetings with IDSA/GAIA-X and other technical leads. • Participation in ecosystem events, conferences, and public consultations (e.g. GAIA-X Summit, Data Space Conference) • Joint webinars or announcements on interoperability milestones.
<p>Civil Society / NGOs / Media / Public</p>	<ul style="list-style-type: none"> • Public-facing explainer materials (Whitepaper, How to EDGE-Skills Guide, videos, podcasts, testimonials, persona-stories). • Press releases • Webpage and social media campaigns



2.4. SMART Indicators – measuring success

To ensure the engagement plan is effective, we have defined the following SMART (Specific, Measurable, Achievable, Relevant, Time-bound) indicators:

- **Number of partners at consortium meetings twice a year** – held with $\geq 80\%$ attendance in person.

- **Number of validated client testers** from the fast track use cases (institutions, organisations) – By the end of the project December 2026 at least:
 - **10 new large organisations/institutions** with more than **3000 users/learners** per year,
 - **10 new small organisations** with more than **1000 users/learners** per year

- **User adoption / reach** – nearly **40.000 committed users (learners)** interact with Prometheus-X / EDGE-Skills solutions/products at the end of project December 2026.

- **Stakeholder engagement events / communication frequency** – quarterly stakeholder workshop or community webinar with 50-150 participants; participation on at least 10 stakeholder events per year, quarterly newsletter to all stakeholders.

- **Feedback collection & satisfaction rate** – Gather feedback from at least 30% of pilot users and partners; target satisfaction rate $\geq 80\%$.

- **Outreach / visibility metrics** – view KPIs of communication and dissemination strategy



2.5. Phased Stakeholder Engagement Timeline (EDGE-Skills aligned)

The Prometheus-X stakeholder engagement strategy follows the structured four-phase EDGE-Skills journey – Initialization, Design, Testing, and Deployment. Each phase specifies when and how stakeholder groups participate, ensuring continuous alignment, progressive validation, and sustainable scaling of use cases. Engagement intensifies as solutions mature, creating a coordinated path from idea to market-ready service.

Phase 1: Initialization (approx. 6 months)

The main objective in this first phase is to achieve strategic alignment and structural clarity for each use case.

Stakeholder Engagement Focus

- **Use Case Leaders (UCLs) & Usage Scenario Leaders (USLs)**
Co-develop purpose, scope, KPIs, target groups, participants, and intended value creation. Facilitate strategic clarity workshops with all use case partners.
- **Data & AI Providers**
Express interest in participation, define initial data contributions, interoperability expectations, and required building blocks.
- **Educational Institutions & Training Organisations**
Confirm willingness to participate in pilots; provide clarity on privacy, data governance, and learner engagement capabilities.
- **Employers / HR Stakeholders (use-case dependent)**
Validate relevance from the labour-market perspective; articulate workforce or recruitment needs influencing KPIs and user journeys.
- **Technical & Infrastructure Providers**
Identify preliminary technical requirements, dependencies, and building blocks needed for later phases.

Engagement Outputs

- Stakeholder mapping completed with roles, needs, and interdependencies.
- Initial business implications, governance expectations, and technical requirements documented.



- Service chain and scalability intention confirmed.
- Use case formally validated for transition into detailed design.

Phase 2: Design (approx. 12 months)

The main objective of the second phase is to translate conceptual foundations into technical, business, and governance models.

Stakeholder Engagement Focus

- **Use Case Leaders (UCLs) & Usage Scenario Leaders (USLs)**
Co-creation through persona development, user journey mapping, usability expectations, and definition of acceptance criteria.
- **Educational Institutions**
Specify consent mechanisms, data-flow governance, process changes, and technical integration requirements.
- **Data & AI Providers**
Conduct deeper integration planning, clarify data contracts, define model requirements, and establish interoperability checkpoints.
- **Technical & Infrastructure Providers**
Align on required building blocks, system interfaces, identity/consent tooling, and data-flow orchestration.
Cooperate closely with WP3 on component readiness.

Engagement Outputs

- Completed personas, user journeys, and end-to-end data-flow diagrams.
- Technical blueprint including building blocks and architectural dependencies.
- Business and governance model drafts, including partnership and licensing strategies.
- Portal design concepts and UX benchmarks.
- Integration and interoperability planning milestones.



Phase 3: Testing (approx. 12 months)

The objective is to validate technical, business, and user-experience assumptions through iterative real-world testing.

Stakeholder Engagement Focus

- **Pilot User Groups (learners, teachers, employees, employers)**
Participate in staged testing cycles (small-group → extended-group → target community). Provide usability and value feedback.
- **Educational Institutions & Training Providers**
Support operational testing, ensure data governance compliance, and coordinate user onboarding.
- **Data & AI Providers**
Test data flows, model performance, interoperability, and scalability of AI services.
- **Technical Providers**
Conduct interoperability testing, resolve system issues, run performance and security validation, ensure building block readiness.

Engagement Outputs

- Functional prototypes validated in real-world contexts.
- Interoperability between data providers and AI services confirmed.
- UX/UI evaluated through real interactions, with refinement cycles complete.
- Technical scalability and governance compliance reviewed.
- Use case deemed ready for live operational deployment.

Phase 4: Deployment (approx. 6 months)

Main focus in this phase lies in the roll out the use case at scale and ensure long-term sustainability beyond the project.



Stakeholder Engagement Focus

- **Wider Target Communities (learners, institutions, employers)**
Receive access to fully operational services and participate in long-term adoption and expansion cycles.
- **UCLs & USLs**
Act as ambassadors for outreach, onboarding, and cross-ecosystem integration.
- **Data & AI Providers**
Transition to production-grade service delivery; onboard new partners or data sources.
- **Infrastructure Providers**
Support scaling, onboarding, and multimodal integration (e.g., Prometheus-X marketplace).
- **Policy Makers & Regulators**
Engage for compliance verification, recognition, or possible inclusion in regional/national strategies.
- **Civil Society & Media**
Amplify awareness and ensure transparency in public communications.

Engagement Outputs

- Full deployment of services to target stakeholder groups.
- Long-term contractual models and sustainability plans established.
- Strategic communication and ecosystem expansion campaigns executed.
- Integration into the Prometheus-X marketplace ensuring broad accessibility.
- Foundation laid for multi-institutional or cross-sector expansion.

