# TRACE4EU D2.6 – Exploitation and dissemination



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Responsible Partner	msg, Neumann
Authors	Viktor Urban (Neumann), Tamas Czegledi (Neumann), Zsolt Donauer (Naumann), Àdám Buza (Neumann), Róbert Soós (Neumann)
Contributors	Pascal Klipstein (msg), Steffen Schwalm (msg)
Reviewers	Christine Hennings (msg), Viky Manaila (Intesi Group)





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# 1 Introduction

# 1.1 Project Overview

The current project is realized within Digtal Europe Programme, aiming to address the modern challenges of the industry and society by employing blockchain technology. Backing the project is a robust consortium at the European level, representing multiple member states and pooling their expertise and resources. Members of the consortium contribute not only through technological innovation but also through practical use cases, ensuring the project's real market relevance and practical applicability.

The choice of EBSI is not random. Its decentralized, secure, and transparent operation allows for the preservation of data integrity and authenticity, which is of critical importance in addressing industrial and societal challenges. Furthermore, the opportunities offered by blockchain enable the development of numerous new innovative solutions, further enhancing collaboration and trust among EU stakeholders.

The consortium, along with the use cases it provides, guarantees the project's practical relevance and facilitates the testing and adaptation of blockchain technology in a real-world environment. Practical examples brought by individual members, combined with collectively crafted technological solutions, lay a strong foundation for a successful, long-term European Union project.

# 1.2 Objectives

In the nexus of European Union values, technological innovation, and sustainable development, our project's primary objective emerges. We aspire to harness the transformative advantages of blockchain technology, crafting a system that is not only trustworthy, transparent, and decentralized but also proficient at addressing the multi-faceted industrial and societal challenges of our age. Central to this endeavor is the formation of a robust European consortium. This collaborative platform aims to synergize the diverse expertise and resources of its members, ensuring a cohesive response to contemporary challenges. Through real-world scenarios provided by our consortium partners, we are poised to develop market-responsive solutions. Beyond addressing present needs, a key focus lies in fostering long-term adaptability and sustainability, ensuring that our initiatives remain relevant and effective in the evolving landscape of the coming decades.





# **Setting SMART goals**

#### BiteSize Learning



#### Figure 1: Setting SMART goals

Source: <u>https://www.bitesizelearning.co.uk/resources/smart-goals-meaning-examples</u>

# 1.3 Vision

In the dynamically evolving realm of blockchain applications, our vision for the Trace4EU initiative is sharp and purposeful. As Europe delves deeper into the intricacies of tracing, our mission transcends the generic, aiming for breakthroughs specifically in the use-case scenarios we've identified. These scenarios - encompassing Agrifood, EV Batteries' Materials, Seafood, and the unique Halloumi Use Case - reflect the sectors where we intend to pioneer and make a marked difference.

We envision a Europe where tracing, especially within these specified sectors, becomes a beacon of excellence and innovation. Through the concerted efforts of our consortium members under the Trace4EU framework, we're committed to setting unparalleled standards in these domains. Our goal is to forge a harmonized European approach where technology, market, and society interlace effortlessly. This vision not only positions Europe at the pinnacle of tracing innovations but also sets a global gold standard, inspiring and leading the way for the rest of the world.

# 2 Monitoring Actions

# 2.1 Methdology for Monitoring and Evaluation

The measures on communication, exploitation and rollout will be evaluated regarding their effectiveness in achieving the Key Performance Indicators given in the Grant Agreement. Main responsibility is in WP 1 on project management and WP 3 on Exploitation, Communication and Rollout actions. So the monitoring is focused on Exploitation, Dissemination and Rollout actions.

# 2.2 Key Performance Indicators

The Key Performance Indicators from Grant Agreement apply:





#### Table 1 Excerpt of TRACE4EU deliverables with description and corresponding KPI

Deliverables	Description	KPI
Nodes supporting the	-	11
project		
EBSI trainings	5 Partners do 2	20
	trainings per year	
Project presentations	-	15
Project-related	6 HEIs do 3-5	10
publications	publications per	
	year	
Participating Member	-	15
states in traceability use		
case		
Application Scenarios	-	9
Estimated new EBSI-	-	10
Nodes		

Table 2 Application scenarios of TRACE4EU and corresponding KPI

Application Scenario	KPI: Organizations (End Users)
Seafood	(End Osers)
	•
Agri-food	6
Halloumi	20 (plus customer)
Batteries	6 (plus customer)
Open Rights Data	10
Exchange	
Resumé Credentials	10 (plus citizens)
Decentralized Academic	6 (plus further HEIs)
Publishing	
Electronic Registered	10
Delivery	
Know Your Customer	5 (plus customer)

Adjustments will be made to improve the strategy's effectiveness continuously.

# 3 SWOT-Analysis

#### 3.1 Strengths

Technological innovation

- The deployment of cutting-edge blockchain technology ensures data integrity, security, and traceability.
- The system's ability for rapid data processing and sharing enhances real-time decisionmaking and improves operational efficiency.
- Integration with emerging technologies like AI and IoT to further enhance data analytics and operational efficiency, making our platform more adaptive and intelligent.

Regulatory Support

• Backed by a supportive legal and political framework, ensuring compliance and alignment with existing regulations.





• Collaboration with regulatory bodies aids in refining the technology to meet legal standards and societal needs.

Multidisciplinary Expertise

- The team is endowed with a wealth of knowledge across various domains, driving innovative solutions.
- Adaptive thinking fosters an environment of continuous learning and improvement, propelling the project's success.

Partners and Stakeholders

- Strong relationships with industry partners amplify the project's reach and impact.
- The active involvement of stakeholders ensures the solutions are tailored to meet specific needs and challenges.
- Implementation of a feedback mechanism where partners and stakeholders can easily provide insights and suggestions, ensuring that the project evolves in line with their needs and expectations.

#### Authenticity and Reliability

- The technology's transparency and integrity instill confidence amongst users.
- Earned trust fosters an environment of collaboration and innovation.

#### **Exploiting Strengths**

- Leverage Technological Edge: The unique application of blockchain technology and realtime data processing in our project is a considerable strength. Our strategic focus should be to enhance and innovate these technological aspects continuously. We'll be investing in R&D to introduce more advanced features, improving efficiency, security, and user experience. Collaborations with tech companies and institutions can be established to integrate emerging technologies and expertise, driving innovation.
- Deepen Collaborations: Our current collaborations and partnerships have contributed to the project's initial successes. To exploit this strength, we need to identify and foster relationships with additional stakeholders, industry partners, and regulatory bodies. Customized engagement strategies for each partner category will be developed, ensuring mutual benefits and aligned objectives. Initiatives to strengthen existing relationships will also be prioritized to harness collective capabilities fully.

#### 3.2 Weaknesses

Early Development Stage

- The nascent stage of the technology poses uncertainties and potential teething issues.
- Market awareness is yet budding, limiting the initial adoption rate and stakeholder engagement.
- The need for extensive testing and validation to ensure the technology's reliability and efficacy, which can be time-consuming and resource-intensive.

#### Capacity Constraints

- Existing resources and infrastructure might be inadequate to support rapid scaling.
- Addressing challenges in scalability and adaptation require innovative solutions and continuous refinement.





#### Bureaucratic Barriers

- Decision-making and administration can be slow, potentially delaying project milestones.
- Navigating through legal and regulatory challenges requires adeptness and agility.
- The existence of complex approval processes that can sometimes lead to delays in the implementation of innovative solutions.

#### Financial Challanges

- Constraints in funding can limit the pace of development and innovation.
- Efficient allocation of resources is crucial to maximising impact while minimising costs.

#### Reducing Weaknesses

- Ramp Up Capacity: Acknowledging our capacity constraints, especially in the face of scaling and adaptability challenges, a comprehensive plan to expand resources, both human and technological, is critical. We'll conduct a detailed assessment to identify the specific areas needing augmentation. Recruitment of skilled professionals, technology acquisition, and infrastructure development will be expedited to address the identified gaps, ensuring that the project is equipped to handle increased demands.
- Streamline Bureaucratic Processes: Bureaucratic slowdowns have been a challenge. We'll work on optimizing administrative and decision-making processes to enhance speed and efficiency. The integration of technology to automate workflows and the implementation of agile methodologies will be explored. Collaborative decision-making platforms might also be introduced to facilitate quicker consensus and approvals, ensuring that the project remains agile and responsive.

# 3.3 Opportunities

Market Expansion

- New markets and segments offer avenues for diversification and growth.
- Global collaborations can drive innovation and offer insights into diverse market dynamics.
- Development of customized solutions for different market segments to cater to specific needs and preferences, enhancing market penetration.

#### Technological Advancements

- Investment in R&D can unveil groundbreaking innovations, setting the project apart in the market.
- The integration of AI and blockchain can enhance data analytics, automation, and decisionmaking.
- Establishment of a research lab to explore and develop next-generation technologies, ensuring the project stays at the forefront of technological innovation.

#### *Eco-friendly Iniatives and Food Safety*

- Adoption of green technologies aligns the project with global sustainability goals.
- Progress in food safety standards assures quality and safety, boosting consumer confidence. *Digital Transformation* 
  - The wave of digitization and automation presents opportunities to enhance efficiency and reduce operational costs.
  - Harnessing big data and analytics can offer insights for informed decision-making.





• Enhancement of user interfaces and experiences using advanced digital tools to make interactions more intuitive, engaging, and user-friendly.

Societal and Environmental Impact

- Elevating social awareness can foster a community of responsible and conscious consumers.
- Commitment to environmental protection enhances brand image and stakeholder engagement.

#### Capitalizing on Opportunities

- Seize Market Expansion Prospects: Opportunities in diverse markets and segments are beckoning. We'll initiate market research to identify potential markets aligning with our offerings. A phased expansion strategy, customized to each identified market's characteristics and demands, will be developed. Global collaborations will be explored to enrich the project with diverse insights and approaches, and to facilitate entry into international markets.
- Foster Technological Innovation: With technological advancements being central to our growth, a focus on continual innovation is paramount. We will establish an innovation hub to foster creativity and the development of groundbreaking solutions. Partnerships with tech innovators and participation in tech expos and conventions will be prioritized to stay abreast of emerging trends and integrate cutting-edge technologies.
- Enhance Sustainability and Food Safety Initiatives: The evolving landscape of sustainability and food safety presents a ripe opportunity. We plan to introduce advanced green technologies and robust food safety protocols to meet and exceed industry standards. Collaborations with environmental and food safety organizations will be fostered to integrate best practices. Public awareness campaigns will also be launched to highlight our commitment to these areas, enhancing brand image and customer trust.

# 3.4 Threats

Technological Challenges

- The rapid pace of technological evolution requires constant updates and adaptability.
- Security and data privacy remain paramount amidst increasing cyber threats.
- The constant evolution of cybersecurity threats, requiring ongoing updates and improvements to security protocols to protect data integrity.

Competitors and Market Dynamics

- Innovations by competitors necessitate a proactive approach to remain competitive.
- Volatile market dynamics require adaptability and resilience.

Legal and Regulatory Challenges

- Evolving legal frameworks require constant monitoring to ensure compliance.
- Meeting audit and compliance standards necessitates meticulousness and precision.
- The international expansion could bring challenges in complying with diverse legal and regulatory frameworks across different countries and regions.

Resource Limitations

- Limited human and financial resources require strategic allocation to maximise efficiency.
- Attracting talent and expertise is crucial to drive innovation and project success.





Managing Threats

- Bolster Security Measures: The escalating landscape of cyber threats necessitates enhanced security. A comprehensive security blueprint will be developed, focusing on predictive, preventive, detective, and responsive measures to cybersecurity. Regular audits, employee training, and collaborations with cybersecurity firms will be integral components of the strategy to ensure that the project and its data remain secure.
- Enhance Adaptability: The volatility in market trends and the innovation pace of competitors underline the need for adaptability. We'll focus on developing a flexible strategic plan that can be quickly realigned to navigate market and technological changes. Continuous monitoring mechanisms to track market dynamics and competitive innovations will be established, ensuring that our strategies remain relevant and competitive.
- Proactive Competitive Strategy: Facing a dynamic competitive landscape, developing a proactive competitive strategy is crucial. We'll instate a dedicated team to continuously monitor competitors' activities, innovations, and market moves. Insights derived will be instrumental in realigning our strategies, ensuring we not only keep pace but stay ahead. Product differentiation, unique value propositions, and customer engagement will be core focus areas to establish a distinct market standing.

# 4 Communication Strategy

# 4.1 Fundamentals

Effective communication serves as the backbone of any project, particularly when it involves multiple stakeholders across various sectors. It is paramount for building trust, promoting transparency, and ensuring the seamless execution of the intended processes. Within the context of leveraging blockchain technology for tracing in different sectors, a robust communication strategy is not just a luxury; it's a necessity.

Given the diversity of stakeholders - from farmers in the Agrifood sector to battery material suppliers in the EV Batteries' Materials sector and seafood providers, among others - it is critical to address their unique needs and concerns. The stakes are even higher considering the varying degrees of familiarity with blockchain technology and the importance of addressing misinformation or skepticism that might arise.

Our communication strategy pivots on three central pillars:

- Crafting and executing a detailed **communication plan**: this involves the timing, frequency, and mode of communication, tailored to the needs and preferences of each stakeholder group.
- Engagement of partners and stakeholders: this entails establishing strong relationships with all involved parties, fostering collaboration, and ensuring that everyone is aligned with the project's goals and objectives.
- Information distribution and knowledge management: in an age of information overload, it is imperative to ensure that accurate, relevant, and timely information is shared. Moreover, the accumulated knowledge should be managed effectively to serve as a resource for current and future initiatives.





# 4.2 Communication Plan

The Communication Plan is a structured approach to disseminate pertinent information about the project to all stakeholders. Given the complex nature of integrating blockchain technology into various sectors for tracing purposes, a clear, consistent, and cohesive communication strategy is pivotal. Here's how we've structured our plan:

4.2.1 Objectives of the Communication Plan

- Clarity and understanding: ensure that all stakeholders have a clear comprehension of the project, its objectives, the role of blockchain technology, and the benefits it offers to their respective sectors.
- Trust building: address concerns, dispel myths, and enhance trust in the technology and the project's execution.
- Feedback loop: establish channels for stakeholders to provide feedback, ask questions, and share concerns.

#### 4.2.2 Target Audience and Their Information Needs

The success of our blockchain initiative heavily depends on clear and targeted communication. It's essential that each stakeholder group understands the direct implications and benefits of the technology for their respective domains. Here's a breakdown of our target audiences and their specific information needs:

Farmers (Agrifood sector)

- Information needs:
  - O Traceability advantages: a clear explanation of how blockchain can offer real-time tracking of produce, from farm to table.
  - O Operational impacts: understanding of how integrating blockchain might change daily operations, including potential initial challenges and long-term efficiencies.
  - O Economic benefits: insights into how blockchain can potentially increase market access, ensure fair pricing, and safeguard against fraudulent practices.
  - O Operational adaptation: guidance on how to adapt existing agricultural practices to integrate with blockchain technologies without significant disruption or increased costs.

Battery Material Suppliers (EV Batteries' Materials sector)

- Information needs:
  - O Material authenticity: clarity on how blockchain can validate the authenticity of battery materials, ensuring quality and compliance.
  - O Supply chain efficiencies: detailed understanding of how the technology can streamline operations, reduce redundancy, and enhance transparency in the material supply chain.
  - O Competitive advantage: insights on how leveraging blockchain can offer a competitive edge in the market, fostering trust with manufacturers and consumers.

Seafood Providers (Seafood sector)

- Information needs:
  - O From catch to consumer: comprehensive understanding of how blockchain can track seafood products throughout the entire supply chain, ensuring freshness, sustainability, and authenticity.





- O Market trust: insights into how transparent tracking can build consumer confidence, potentially leading to market expansion and better pricing.
- O Regulatory compliance: information on how blockchain can simplify and enhance compliance with seafood sourcing regulations and sustainability mandates.

Halloumi Producers (Dairy sector)

- Information needs:
  - O Authenticity verification: information on how blockchain can authenticate the origin of halloumi, ensuring consumers receive genuine products.
  - O Supply chain visibility: details on how blockchain can offer insights into the entire supply chain, from the source of milk to the final product on shelves.
  - O Market differentiation: insights into how blockchain-driven transparency can set halloumi producers apart in the market, potentially driving consumer preference and ensuring premium pricing.
  - O Consumer feedback loop: understanding of how blockchain can facilitate direct feedback from consumers, providing valuable insights to improve production practices and meet market demands.

Regulators and Competent Authorities

- Information needs:
  - O Regulatory oversight: clarity on how blockchain can enhance real-time monitoring capabilities, ensuring compliance and timely interventions.
  - O Data integrity: understanding of blockchain's immutable nature, ensuring data reliability and authenticity for regulatory purposes.
  - O Cross-border cooperation: insights into how blockchain can facilitate smoother cooperation and data sharing across international regulatory bodies.

#### Technology Providers

- Information needs:
  - O Integration with existing systems: detailed guidance on how blockchain can seamlessly integrate with current tech infrastructures.
  - O Operational efficiencies: insights on how blockchain can streamline processes, reduce redundancies, and improve overall tech operational efficiencies.
  - O Training and support: information on training opportunities, support materials, and ongoing assistance to ensure successful technology adoption.
  - O Customization opportunities: details on how blockchain solutions can be tailored or customized to fit specific industry or stakeholder requirements, ensuring flexibility and relevance in application.

#### Consumers

- Information needs:
  - O Product authenticity: assurance on how blockchain traceability can guarantee the genuineness of the products they purchase.
  - O Ethical consumption: understanding of how blockchain can provide insights into the ethical practices behind products, from sustainable fishing to ethical farming.
  - O User interface: details on how they can access and interact with the blockchain data, ensuring they have clarity on product origins and handling.





#### Distributors & Retailers

- Information needs:
  - O Inventory management: clarity on how blockchain can offer real-time inventory tracking, minimizing waste and ensuring optimal stock levels.
  - O Supplier authenticity: assurance that the products they are receiving are genuine and ethically sourced.
  - O Consumer trust: insights into how blockchain-driven transparency can boost consumer trust, potentially driving increased sales and customer loyalty.

#### 4.2.3 Communication Channels

Different stakeholders might prefer different modes of communication. While some may rely on digital channels, others might benefit from in-person meetings or workshops. We've identified the following primary channels:

- Digital communications: emails, newsletters, webinars, and dedicated project website updates.
- Workshops and training sessions: organized to provide hands-on experience and address queries in real-time.
- Public relations and media: press releases, interviews, and media briefings to keep the public informed and address broader audience concerns.
- Feedback platforms: online portals and dedicated email addresses for stakeholders to share feedback, ask questions, or report concerns.

#### 4.2.4 Communication Frequency and Timing

- Monthly updates: general progress updates, sent via email or available on the project website, to keep stakeholders informed.
- Quarterly workshops: addressing major milestones, changes, or addressing accumulated queries.
- Immediate notifications: for significant breakthroughs, challenges, or changes in project direction.

#### 4.2.5 Responsibility and Ownership

The success of our communication plan relies heavily on clear responsibility. A dedicated communication team will be established, comprising:

- Communication manager: overseeing the entire plan, ensuring consistency, clarity, and timeliness.
- Channel managers: individuals or teams responsible for specific channels like emails, workshops, PR, etc.
- Feedback managers: to ensure every piece of feedback, query, or concern is addressed promptly.

#### 4.2.6 Evaluation and Adjustments

Post-implementation reviews will be conducted regularly to gauge the effectiveness of the communication strategy. Metrics like stakeholder engagement rates, feedback volume, and quality, and communication reach will be assessed. Based on these evaluations, necessary changes will be made.





# 5 Engagement of Partners and Stakeholders

Ensuring the effective rollout and implementation of blockchain technology across various sectors demands a synergistic collaboration with our partners and stakeholders. Engagement isn't a one-time action; it's an ongoing process of communication, involvement, and mutual growth.

# 5.1 Identifying Primary Engagement Drivers

The shared vision among stakeholders emphasizes the common goal of enhanced traceability, authenticity, and transparency that blockchain brings to the table. This common goal isn't just about improving operations but also ensuring that all parties involved are working towards a unified objective. Establishing this shared vision is more than just a formality; it acts as a potent motivator that can instill a sense of purpose and drive collaboration.

Beyond the collective objectives, it's essential to highlight the economic benefits that come with adopting blockchain. Especially for stakeholders in commercial sectors, understanding the tangible benefits is crucial. Implementation of blockchain isn't merely about embracing new technology; it's about realizing its potential for significant cost savings, combating fraud, and exploring avenues for revenue growth.

But the impact of blockchain extends beyond the balance sheets. The broader societal benefits are undeniable. Adopting blockchain translates to heightened consumer trust as they are assured of product authenticity. This trust isn't trivial; it protects consumers from the perils of counterfeit products, ensuring they get what they pay for. Furthermore, with increasing emphasis on sustainability and responsible consumption, sectors like Agrifood and Seafood stand to benefit immensely. Emphasizing blockchain's role in bolstering sustainability initiatives, while ensuring consumers have authentic and responsibly sourced products, resonates with a growing, conscientious consumer base. This isn't just good business; it's a step towards a more transparent and trustworthy commercial ecosystem.

# 5.2 Engagement Mechanisms

Regular stakeholder workshops have become an integral part of the communication strategy, not just as informational sessions but as collaborative events. These gatherings are not only pivotal in offering insights into the project's current status, discussing challenges, and celebrating milestones, but they also serve as an interactive platform. It's here that stakeholders can voice their feedback, share their perspectives, and address concerns, ensuring a two-way dialogue that promotes transparency and mutual understanding.

In today's digital age, the role of collaborative platforms cannot be overstated. Beyond mere communication tools, these digital platforms foster real-time collaboration, allowing stakeholders to share insights, data, and feedback. The immediacy these platforms offer ensures that all stakeholders, regardless of their geographical location, can remain actively involved, keeping abreast of the project's nuances and contributing their expertise when needed.

But engagement isn't just about sharing updates or collaboration; it's also about addressing concerns. With the establishment of feedback and redressal forums, stakeholders have clear channels to report any issues they encounter, suggest potential improvements, or merely share their apprehensions. Such mechanisms guarantee that every stakeholder, irrespective of their role or influence, always feels heard and valued.





Lastly, considering the technical nature of blockchain, training and onboarding sessions hold special significance. While some stakeholders might be well-versed in the intricacies of blockchain, many might find it a daunting domain. These sessions are tailored to bridge this knowledge gap. By helping stakeholders, especially those unfamiliar with the technology, grasp its nuances, implications, and practical applications in their sectors, the project not only ensures smoother implementation but also fosters an environment where every stakeholder feels equipped and confident in their roles.

# 5.3 Special Initiatives for Key Stakeholders

Recognizing the diverse nature and requirements of our stakeholders, it is evident that a universal approach might not always hit the mark. Hence, specific initiatives have been curated to cater to their individual needs and contexts.

#### 5.3.1 Special Initiatives for Farmers

For farmers, who are at the heart of the agrifood sector, direct interactions and on-ground engagements hold immense value. Understanding their daily challenges is crucial, and what better way to do that than through on-site visits? Such engagements not only provide us insights into their operations but also offer farmers a concrete demonstration of how blockchain can uplift and simplify their practices. Furthermore, we're exploring localized training modules that can assist them in adapting to this new technological paradigm smoothly.

# 5.3.2 Special Initiatives for Battery Material Suppliers

Within the intricacies of the EV Batteries' Materials sector, Battery Material Suppliers are on the lookout for tangible proof of technology's efficiency. To cater to this, we emphasize demonstrations that elucidate blockchain's prowess in ensuring material authenticity and honing supply chain processes. Additionally, we're considering specialized webinars focusing on blockchain's relevance to material verification and authentication.

# 5.3.3 Special Initiatives for Seafood Providers

The seafood sector thrives on a tale of traceability – from the ocean's depths to the dining table. To make the benefits of blockchain palpable to Seafood Providers, we're initiating collaborative projects. These endeavors will allow providers to observe in real-time the capabilities of blockchain in tracing a product's journey, ensuring its authenticity at every step. There's also an emphasis on collaborative research, delving into sustainable fishing practices augmented by blockchain.

#### 5.3.4 Special Initiatives for Halloumi Producers

For Halloumi Producers, quality and authenticity are paramount. Our tailored approach includes organizing specialized workshops that shed light on how blockchain can assist in ensuring product genuineness and streamlining distribution channels. Additionally, partnering with dairy experts, we're focusing on creating informative sessions on blockchain's role in enhancing dairy product quality controls and traceability.





#### 5.3.5 Special Initiatives for Regulatory Bodies

Regulators and competent authorities play a pivotal role in the widespread acceptance and implementation of any new technology. To facilitate their understanding and cooperation, we're organizing seminars emphasizing blockchain's alignment with current regulatory frameworks and its potential in setting new industry standards. Regular roundtable discussions are also on the cards to ensure their concerns and insights are consistently integrated.

#### 5.3.6 Special Initiatives for Technology Providers

Being at the forefront of technological advancements, Technology Providers are integral to our mission. Customized tech symposiums and hackathons are being considered to delve deep into the blockchain's capabilities and potential integrations. Such platforms will not only foster innovation but also bolster collaborations, ensuring that the technological aspects are continuously refined and aligned with industry needs.

#### 5.3.7 Special Initiatives for Consumers

Consumers stand to gain immensely from the transparency and authenticity that blockchain brings to the table. To engage them, we're conceptualizing awareness campaigns elucidating blockchain's role in ensuring product genuineness. Interactive digital platforms, offering a sneak-peek into the traceability journey of products, are also being developed to enhance their understanding and trust.

#### 5.3.8 Special Initiatives for Distributors & Retailers

For distributors & retailers, efficiency and authenticity in supply chains directly impact their operations. Tailored workshops focusing on blockchain's capabilities in streamlining supply chain logistics and ensuring product authenticity are being planned. Moreover, pilot projects showcasing real-time traceability and inventory management augmented by blockchain are in the pipeline.

# 5.4 Monitoring and Evaluation of Engagement Efforts

Ensuring effective stakeholder engagement goes beyond just initiating communication. It requires diligent monitoring and a robust evaluation mechanism. By frequently analyzing stakeholder participation rates in workshops, we can gauge the level of interest and involvement. Furthermore, by examining the volume of feedback and the activity levels on our collaborative platforms, we can discern areas of high engagement and potential points of disconnect.

Another vital component of our monitoring approach is the feedback loop analysis. It's imperative not just to amass feedback but to act on it. By continually ensuring that the insights provided by stakeholders influence the project's trajectory, we're not only fostering trust but also ensuring our initiatives are rooted in real-world requirements. Moreover, once actions are taken based on feedback, we emphasize the importance of closing the loop by communicating the changes made back to our stakeholders.

To further strengthen our evaluation mechanisms, regular surveys will be an integral part. These surveys aim to delve deeper into stakeholder sentiment, pinpointing areas that are working well and those that need attention. They will provide insights into stakeholder concerns, gauge their satisfaction levels, and identify avenues for enhancing the engagement process.





# 5.5 Iteration and Continuous Improvement

The journey of engagement is not static; it's dynamic, evolving with each interaction, feedback, and observation. Recognizing this, we emphasize the importance of iteration and continuous improvement in our stakeholder engagement strategies. We believe that engagement is a two-way street, requiring both parties to be actively involved and invested. With this understanding, we commit to periodic reviews of our engagement initiatives. These reviews are more than just a cursory glance; they are indepth evaluations aimed at deriving actionable insights. By harnessing these insights, we will adapt and refine our strategies, ensuring they always mirror the evolving landscape of stakeholder needs, expectations, and feedback. In this manner, our engagement efforts will not only remain relevant but will continually strive for excellence, fostering a symbiotic relationship with our valued stakeholders.

# 5.6 Information Distribution and Knowledge Management

Effective communication is not just about transmission but also ensuring comprehension and actionable insights. As we venture into integrating blockchain technology across sectors, it's paramount that stakeholders are not only kept informed but also empowered with the knowledge to leverage this technology optimally. Here's our approach to ensuring efficient information distribution and robust knowledge management:

#### 5.6.1 Information Distribution Channels

- Dedicated web portal: a comprehensive, user-friendly platform that offers regular updates, FAQs, training materials, case studies, and success stories related to the blockchain implementation.
- Monthly newsletters: summarizing key project developments, milestones reached, challenges addressed, and upcoming events or workshops.
- Social media and digital platforms: leveraging platforms like LinkedIn, Twitter, and other industry-specific forums to disseminate information and foster interactive discussions.
- Stakeholder webinars: periodic online sessions to dive deep into specific topics, offering stakeholders a chance to directly interact with project leaders and experts.
- Physical distribution: for stakeholders with limited digital access, physical copies of crucial updates, brochures, and training materials will be made available.

#### 5.6.2 Knowledge Management Systems

- Centralized digital repository: A cloud-based system where all relevant documentation, research papers, case studies, and training materials are stored and categorized for easy retrieval.
- Collaborative tools: platforms like Microsoft Teams or Slack for team collaboration, document sharing (e.g.: Google Docs), and real-time discussion.
- Feedback mechanism: a system to collect and analyze feedback on the available knowledge resources, ensuring they remain relevant and up-to-date. Or for instance just simply leave comments in Google Docs.

# 5.7 Training and Capacity Building

- Online training modules: interactive modules covering blockchain basics, its applications in various sectors, and best practices.
- Workshops and bootcamps: hands-on training sessions, especially tailored for stakeholders like farmers or producers who might need a more tactile learning experience.





• Expert-led sessions: bringing in industry leaders and blockchain experts to share their insights, experiences, and forecast trends.

# 5.8 Ensuring Accessibility and Inclusivity

- Multi-language support: making key resources available in multiple languages to cater to our diverse stakeholder base.
- Accessible content: ensuring content is available in formats that are accessible to those with disabilities, such as screen-reader-friendly documents or sign-language-supported videos.

# 5.9 Regular Updates and Refreshers

Given the dynamic nature of blockchain technology, it's vital to keep our knowledge base updated:

- Quarterly reviews: periodic assessment of all stored knowledge resources, pruning outdated information and adding new findings or updates.
- Annual stakeholder feedback: gathering insights from stakeholders on the usefulness, relevance, and comprehensibility of the information provided, leading to continuous improvement.

# 6 Timeline for Exploitation Actions

# 6.1 Year 1 (YR1) Actions

## 6.1.1 Market and Client Analysis

In the first year of TRACE4EU and well-grounded analysis of market and client needs is planned in order to achieve comprehensive overview and basement for detailed exploitation actions. This will contain e.g. analysis on

- Key industries and stakeholder needs
  - Whole TRACE4EU
  - Product Traceability
  - Document and Data Traceability
- Client needs
  - Possible solutiosn according to applicsation scenarios
  - feasible business cases
- Legal and technical developments within eIDAS 2.0 as well as application scenario specific subjects
- Vendors and partners including their portfolio and technical capabilities

Based on this possible adjustments on umbrella architecture, application scenarios as well as rollout planning and exploitation plans will be evaluated and executed.

#### 6.1.2 Interaction with Stakeholders and Clients

This subject will be executed within the stakeholder management activities and communication strategy as well as roll out measturs





# 6.2 Year 2 (YR2) Actions

Further actions are planned in the second year of the project (YR2).

## 6.2.1 Market and Products

An initial portfolio of products according to market needs will be developed alongside the application scenarios of TRACE4EU.

#### 6.2.2 Clients and Client Involvement in Implementation Use Cases

Based on results of initial implementation of umbrella architecture and use cases per application scenario the possible engagement of clients will be clarified and concrete actions defined.

#### 6.2.3 Rollout Planning

The rollout scenarios related subjects are described in D 3.3 section.

# 7 Conclusion

The document describes the initial plan and measures for exploitation of Trace4EU results. All informations are based on the legal framework as well as stakeholder needs.

The eIDAS 2.0 framework involves the issuance of implementing acts and delegated acts by the European Commission. Standardization and further development of regulative framework set out technical specifications for certification and aim to address identified weaknesses and threats in the SWOT-Analysis within the project duration of Trace4EU.

A well-grounded evaluation aims to identify possibly necessary adjustment among the architecture and common technical ground of TRACE4EU and/or requirements on application scenarios. Also the contribution to and evaluation of EBSI governance and specification is planned. The results of those tasks as well as the ones from Year 1 activities on exploitation are main input for the definition of final rollout strategy of application scenarios as well as their rollout among other countries or industries

In the first year of TRACE4EU and well-grounded analysis of market and client needs is planned in order to achieve comprehensive overview and basement for detailed exploitation actions. Based on this possible adjustments on umbrella architecture, application scenarios as well as rollout planning and exploitation plans will be evaluated and executed.

The measures on communication, exploitation and rollout will be evaluated regarding their effectiveness in achieving the Key Performance Indicators given in the Grant Agreement. Main responsibility is in WP 1 on project management and WP 3 on Exploitation, Communication and Rollout actions.

