



EcoSync

Digital Synchronization of Youth Activities for Sustainable Agriculture

Eco-Decisions: Building Sustainable Solutions Together

Project No: 2023-3-EL02-ESC30-SOL-000183360

www.ecosync-project.eu



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Introduction: Why Your Vote Matters

In Skydra, farming is not just a profession, it's a way of life. But with changing environmental conditions, waste challenges, and limited resources, the need for sustainable solutions is greater than ever.

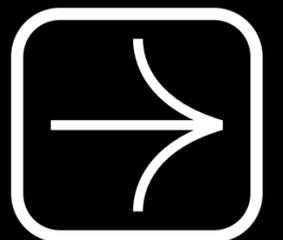
EcoSync invites you to be part of the solution. By participating in this digital voting initiative, you have the power to shape the way our community manages agricultural waste, protects our environment, and builds a greener future.



What is the EcoSync Voting Initiative?

This is a 3-day interactive digital voting experience, set up in the center of Skydra. Here, farmers, youth, and residents can explore real, practical solutions for agricultural waste and vote for the ones they find most beneficial.

The most popular solutions will be implemented in our Sustainable Practice Space, a shared community site where the chosen systems will be showcased and used long-term



What is the Digital Voting Initiative?

This voting process serves several key purposes:

- **Democratizing Environmental Decision-Making:** Every vote counts, and every community member, regardless of age or background, has the opportunity to influence real change.
- **Tailoring Solutions to Local Needs:** The options offered reflect the unique needs of Skydra's agricultural community. Voting ensures the selected initiatives resonate with actual users.
- **Building Community Ownership:** By involving the public in the decision process, the solutions implemented are more likely to be accepted, respected, and maintained by the people who use them.
- **Guiding Future Actions:** The results of the vote will determine which 2–3 solutions are implemented in the upcoming Sustainable Practice Space, a permanent model area where selected ideas will be put into action and observed over time.



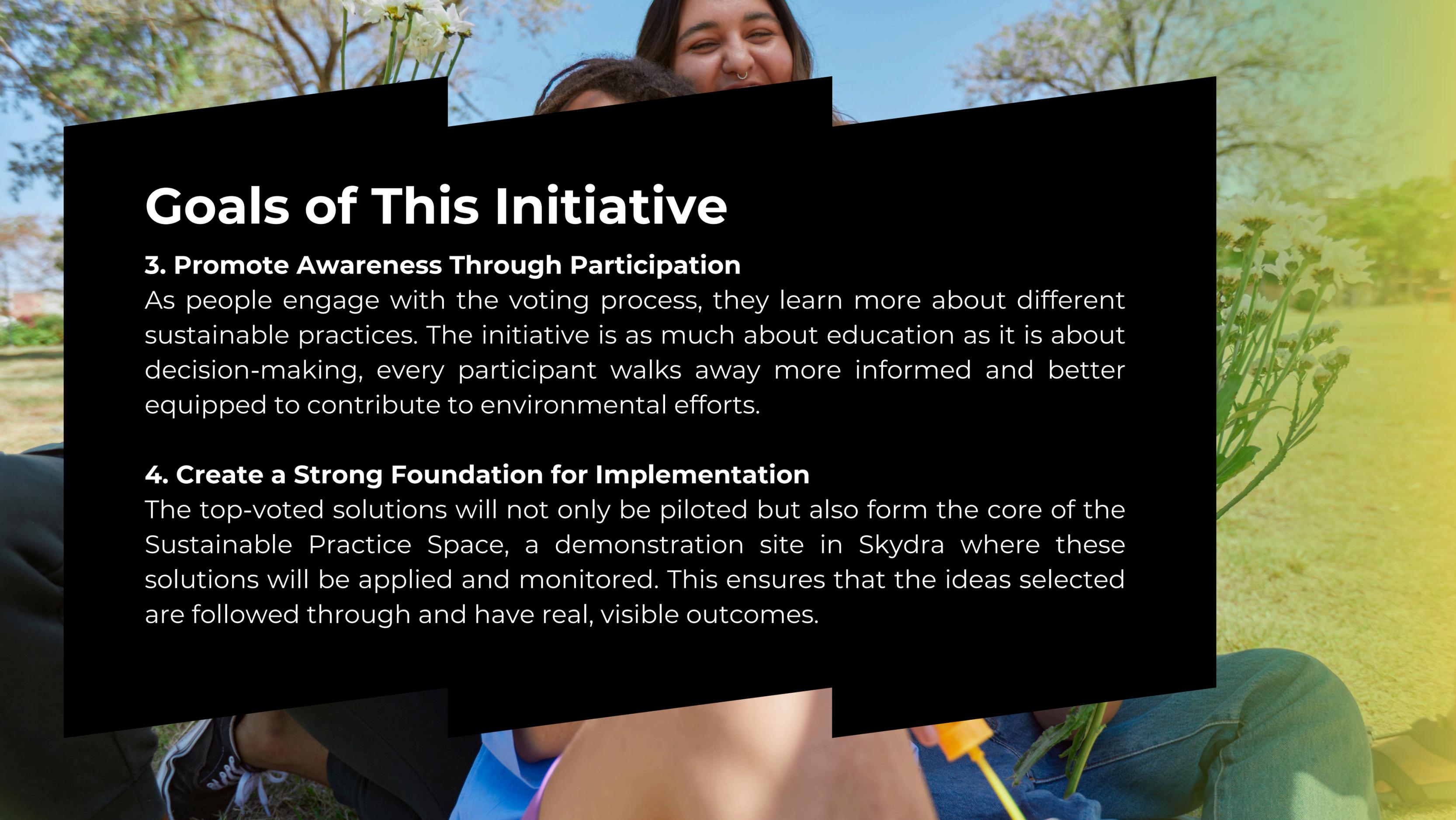
Goals of This Initiative

1. Empower the Community

This initiative gives a direct voice to farmers, residents, and youth in shaping how their environment is managed. By allowing individuals to vote on real solutions, we foster civic participation and shared ownership of the results.

2. Identify the Most Practical Local Solutions

Each proposed solution, from eco-friendly bag alternatives to mobile collection units, was designed with local conditions in mind. The voting process helps determine which ideas are best suited to the day-to-day needs of the community, based on collective experience and preference.

The background of the slide features a photograph of several people sitting outdoors, holding white flowers. The scene is bright and sunny, with a clear blue sky and green foliage in the background. The text is overlaid on a dark, semi-transparent black rectangular area.

Goals of This Initiative

3. Promote Awareness Through Participation

As people engage with the voting process, they learn more about different sustainable practices. The initiative is as much about education as it is about decision-making, every participant walks away more informed and better equipped to contribute to environmental efforts.

4. Create a Strong Foundation for Implementation

The top-voted solutions will not only be piloted but also form the core of the Sustainable Practice Space, a demonstration site in Skydra where these solutions will be applied and monitored. This ensures that the ideas selected are followed through and have real, visible outcomes.



Goals of This Initiative

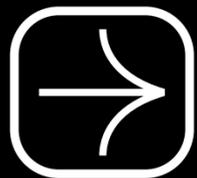
5. Strengthen the Connection Between People and Policy

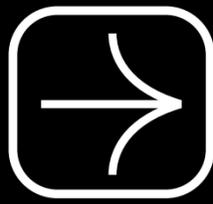
By documenting the voting results and reporting them to local authorities, this initiative bridges the gap between community voices and environmental planning. It shows that grassroots participation can influence sustainable policy-making at the local level.



Goals of This Initiative

The EcoSync Digital Voting Initiative is not only about selecting solutions, it's about empowering the community to take meaningful, informed action toward sustainability. This initiative serves multiple purposes that align with the project's core values of participation, education, and environmental responsibility.





Goals of This Initiative

1. Community Empowerment

The initiative gives every resident, especially farmers and youth, the chance to directly influence how Skydra manages agricultural waste. By voting, participants become active agents of change, not just observers.

2. Local Relevance

The solutions presented for voting were carefully selected to match the real-life conditions, habits, and challenges of the Skydra community. This ensures that the selected strategies will be realistic, accepted, and useful.

3. Environmental Awareness

Through participation, people learn about different waste management practices and their potential benefits. The initiative doubles as an educational experience, increasing knowledge about sustainable farming and environmental protection.



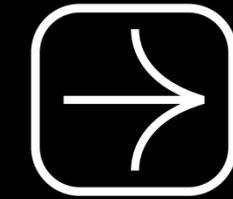
Collective Decision-Making

This initiative brings the community together around shared goals. The results reflect a collective voice, helping the project team and local authorities understand which approaches are most supported and why.

Foundation for the Sustainable Practice Space

The voting results will directly guide which solutions are implemented in the new community-based Sustainable Practice Space—ensuring that the space reflects the actual choices and priorities of the people it serves.



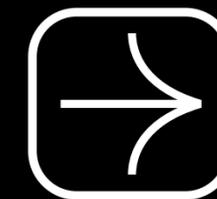


Why This Matters

The issue of agricultural waste in Skydra, particularly fertilizer bags, packaging materials, and plastic waste, is becoming increasingly urgent. Improper disposal pollutes soil, harms biodiversity, and puts the health of both farmers and the broader community at risk. Traditional systems have not always offered simple, practical, or community-based solutions.

This initiative matters because it puts decision-making directly into the hands of the people most affected. It recognizes that local challenges need local solutions, and that those living and working on the land are best positioned to guide change. It also builds a stronger culture of shared responsibility, encouraging individuals to work together for cleaner fields, safer environments, and a more sustainable agricultural future.

Why This Matters



Empower Local Decision-Making

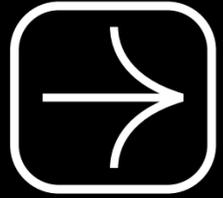
The initiative allows every resident to express their views on practical environmental solutions, reinforcing the idea that their voice matters.

Select Realistic and Accepted Solutions

The voting process ensures that the chosen waste management methods are locally relevant, feasible, and more likely to be respected and maintained.

Promote Learning Through Action

Through the presentation of various options and explaining their benefits, the initiative raises awareness about environmental issues and encourages thoughtful choices.



Dedicated Disposal Zones

Support Long-Term Change

- The selected solutions will form the basis for the Sustainable Practice Space, making this event not just symbolic, but the foundation for lasting transformation.

Foster Community Ownership

- Involving people directly builds trust, accountability, and a sense of pride in contributing to real, visible improvements in the community.



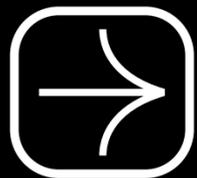
Solution 1 – Dedicated Disposal Zones

What It Is:

Dedicated disposal zones are specially marked areas, often located near farming plots or community hubs—where used fertilizer bags and similar agricultural waste can be safely and consistently deposited.

How It Works:

- Farmers bring used bags to a clearly designated, shared area
- Bags are stored safely until collection or recycling
- These zones are maintained by local volunteers or community teams





Solution 1 – Dedicated Disposal Zones

Why It's Effective:

- Prevents random dumping in fields and irrigation canals
- Easy to implement with minimal infrastructure
- Encourages proper habits with visible, accessible drop-off points

Community Benefit:

It creates order and cleanliness, reduces pollution, and helps farmers follow best practices with ease. When waste is properly managed, the whole community benefits—environmentally and socially.



Solution 2 – Interactive Bin Monitoring

What is it?

Interactive Bin Monitoring involves the use of smart technology to manage agricultural waste bins. These bins are equipped with sensors that detect when they are full and send real-time notifications to a central system or mobile app. This allows for timely collection and helps avoid overflow, mess, or improper use.

How does it work?

- Each bin has a sensor that monitors the fill level.
- When a bin reaches capacity, it sends a signal to a mobile app or dashboard.
- Collection teams can then schedule pickups efficiently, avoiding unnecessary trips or delays.
- Some systems even allow community members to check bin status from their phones, increasing transparency and engagement.



Solution 2 – Interactive Bin Monitoring

Why is this effective?

- Prevents overfilled or neglected bins, which often lead to illegal dumping nearby.
- Saves time and resources by improving the efficiency of waste collection routes.
- Promotes cleaner, better-managed public or farm-adjacent disposal areas.
- Makes the system smarter, more reliable, and easy to scale.

Benefits to the Community:

- Keeps waste zones neat and odor-free.
- Encourages consistent use by showing that the system is well-managed.
- Introduces digital tools into rural environmental management.
- Builds trust in the waste system, especially among younger and tech-savvy residents.



How Sensor Bins Work and Their Benefits

What Are Sensor Bins?

Sensor bins, also known as smart waste bins, are containers equipped with ultrasonic or infrared sensors that detect the level of waste inside. These sensors continuously monitor how full the bin is and can send automatic alerts or updates to a connected system, such as a mobile app or online dashboard.

This technology is increasingly used in cities and smart farming communities to improve waste collection efficiency and reduce overflowing bins.





How Do They Work?

Sensing Waste Levels

- The sensor, placed on the lid or inside the bin, uses distance measurement to detect how much space is left. It regularly checks if the bin is empty, half-full, or full.

Real-Time Alerts

- When the bin reaches a certain threshold (e.g., 80% full), the system sends a notification to the responsible collection team or central waste management platform.



How Do They Work?

Remote Monitoring

- Through a connected interface, users (farmers, municipal workers, or volunteers) can monitor the status of multiple bins across different locations without physically inspecting each one.

Data Collection and Reports

- Over time, the system collects usage data, helpful for planning pickup schedules, optimizing routes, and identifying high-use areas.



Benefits of Sensor Bins in a Rural Farming Context

Reduces Overflow and Littering

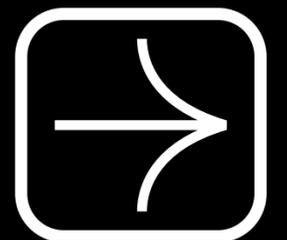
- Full bins can lead to nearby dumping. Sensors help prevent this by ensuring timely collection.

Saves Time and Resources

- Instead of checking every bin manually, workers can focus on only those that need attention reducing fuel use and labor time.

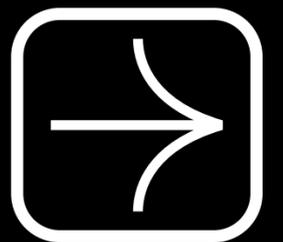
Increases Trust in the System

- Farmers are more likely to use bins consistently when they see that they're monitored and emptied on time.



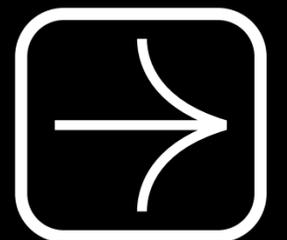
Interactive Mapping Tool

The Interactive Mapping Tool is a digital feature designed to help community members easily locate disposal zones, collection points, and recycling facilities across Skydra. Accessible via mobile devices or computers, the map provides clear, real-time information about where and how to dispose of agricultural waste properly. This tool improves convenience, promotes responsible habits, and empowers users to make informed environmental choices by connecting digital access with real-world action.



Empowering Individuals to Shape Their Environment

- Gives people the tools, knowledge, and voice to influence local environmental decisions.
- Encourages active participation in creating cleaner and more sustainable communities.
- Through EcoSync, residents help choose and shape solutions that directly affect their land and daily lives.



Empowering Individuals to Shape Their Environment



Promoting Ownership and Responsibility

EcoSync encourages individuals to take responsibility for their surroundings by giving them a direct role in decision-making. When people feel a sense of ownership over shared spaces, they are more likely to protect, maintain, and respect those environments.

Inspiring Action and Long-Term Change

Involving the community in every step of the process, the project motivates individuals to take meaningful action, maintain environmental improvements, and influence others. This creates a strong foundation for long-term, community-led change that continues well beyond the project's end.



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Name of Deliverable

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