

Eco-communities as Key Actors in Education for Sustainable Development

A handbook to get the most out of
your eco-community



ECO
systems





ECOSYSTEM E-HANDBOOK

ECO-COMMUNITIES AS STRATEGIC ACTORS IN EDUCATION FOR SUSTAINABLE AND REGENERATIVE DEVELOPMENT

This e-handbook has been developed within the framework of the ECOSYSTEM project to serve as a practical and conceptual guide for organizations, facilitators, and educators seeking to implement sustainability education in community-based contexts. At a time of increasing environmental degradation, social fragmentation, and economic inequity, eco-communities stand out as living models of resilience, systemic innovation, and regenerative culture. While the term “sustainability” has gained widespread popularity, it has also been increasingly co-opted—used by corporations and institutions to greenwash harmful practices and present superficial changes as meaningful progress. This handbook seeks to reclaim the depth and integrity of sustainability by grounding it in experiential learning, grassroots action, and the lived practices of communities that embody real alternatives.
n, and collaboration.





Rooted in the **Four Dimensions of Sustainability: Social, Ecological, Economic, and Worldview**, this publication offers a comprehensive and adaptable methodology for applying **non-formal education (NFE)** tools to strengthen eco-social transformation processes.

Our aim is to equip practitioners with knowledge, methods, and inspiration to:

- Facilitate transformative learning in diverse environments,
- Empower youth and community members to act as sustainability agents,
- Support the emergence of regenerative cultures through education, participation, and collaboration.

This handbook can be used as a standalone resource or as a complementary tool for training programs, community processes, or educational curricula aligned with the **UN Sustainable Development Goals (SDGs)** and the **UNESCO framework for Education for Sustainable Development (ESD)**.



1

Social Dimension

Overview of the e-Handbook's Purpose

- 1.1 Nonviolent Communication (NVC)**
- 1.2 Patterns of Engagement**
- 1.3 Disconnection Methodology**
- 1.4 Outreach to Local Communities**
- 1.5 Leave Your Own Mark and Beyond**
- 1.6 Be Aware**
- 1.7 Welcome to My Village**
- 1.8 Non-Formal Games & Dynamics**
- 1.9 Talent Show**

2

Ecological Dimension

Understanding Eco-Communities, NFE Methodologies and 4 Dimensions Framework

- 2.1 Climate Fresk Cards**
- 2.2 Waste Management Role-Play**
- 2.3 Compost Activity**
- 2.4 ECO-Planting Workshop**

3

Economic Dimension

Social Dimension - Ecological Dimension - Economic Dimension -
Worldview Dimension & Local Wisdom

- 3.1 Sustainable Development Goals (SDG)
Multipliers Handbook
- 3.2 Vertical Gardening for Entrepreneurship
- 3.3 The Wheel of Impact
- 3.4 Economic System Role-Play Game
- 3.5 Step Into Our Reality

4

Worldview Dimension

- 4.1 Youth in Transition
- 4.2 Ecovillage Design Education (EDE)
Curriculum
- 4.3 Gaia YES!
- 4.4 Leave Your Own Mark and Beyond
- 4.5 CLIPS
- 4.6 Flower of Permaculture
- 4.7 Politi-Cards

5

Acknowledgments



Chapter 1

Social Dimension

Building Inclusive and
Empowered Communities



Chapter 2

Ecological Dimension

Sustainable and
Regenerative Resource
Management



Chapter 3

Economic Dimension

Building Sustainable
and Resilient Economies



Chapter 4

Worldview Dimension

Cultural, Spiritual, and
Transformative
Connection



Introduction

A Strategic Resource for Regenerative Education

This e-handbook is conceived as both a conceptual map and a methodological toolkit for educators and community leaders operating within or alongside eco-communities. At the same time, this handbook is more than a collection of tools and activities—it is a manifesto for a different kind of learning. Rooted in the living, breathing reality of eco-communities, this e-handbook emerges as a strategic resource for those committed to transforming the way we educate, engage, and evolve within the context of today's ecological and social challenges.



It aims to strengthen their role as key actors in the co-creation of sustainable and regenerative futures.

At the heart of this Handbook there are methodologies grounded in experiential, participatory and transformative approaches unlike traditional models of education, which often emphasize standardized content and passive learning. These practices support the development of **local solutions to global challenges**, encouraging collective action while fostering personal growth, critical thinking, and ecological literacy.



The handbook is bringing the following:



A Holistic Framework for Action:

Inspired by Gaia Education's Four Dimensions of Sustainability—Social, Ecological, Economic, and Worldview—the handbook offers a comprehensive lens for understanding and practicing sustainability. Each dimension is explored through key principles, practical methods, and real-world activities that can be implemented by facilitators and community leaders.

A Rich Collection of Participatory Methodologies:

You'll find over 20 interactive tools and educational practices—from nonviolent communication and permaculture workshops, to economic simulations and worldview mapping. These methodologies are designed to stimulate critical thinking, deepen group cohesion, and foster hands-on engagement with sustainability topics.

A Space for Youth Empowerment:

Young people are not just beneficiaries of this process—they are essential co-creators. This handbook emphasizes youth-led learning, intergenerational collaboration, and leadership development, ensuring that the next generation is not only equipped with practical skills, but also with the confidence to lead.



A Call for Regenerative Education:

Beyond sustaining the present, this handbook invites you to restore, reimagine, and regenerate. It challenges us to view education as a collective journey of transformation—personal, social, and ecological.

A Tool for Systemic Change:

From local eco-communities to international networks, this resource supports the development of learning ecosystems that are inclusive, resilient, and deeply rooted in place. It aligns with global frameworks such as the UN Sustainable Development Goals (SDGs) and UNESCO's vision for Education for Sustainable Development (ESD), while remaining grounded in real-world contexts and local wisdom.

The Four Dimensions framework, adopted by educational programs in more than 50 countries, provides the structural foundation for this handbook. It invites readers to explore sustainability not merely as a technical goal, but as a multidimensional and dynamic process that encompasses:

- **Social cohesion and inclusion,**
- **Ecological regeneration,**
- **Resilient local economies,** and
- **Transformative worldviews** aligned with planetary well-being..

In the following chapters, you will explore each of the Four Dimensions through a curated set of practices and reflections. You will meet methodologies that are as playful as they are powerful—activities that use storytelling, games, fieldwork and ritual to help participants embody the values of regeneration.

Understanding the Context



Eco-Communities as Laboratories for Sustainability and Regeneration

Eco-communities are intentional communities that aim to integrate ecological design, sustainable livelihoods, and participatory governance into their daily practices. They are not only sites of innovation in areas such as renewable energy, organic agriculture, and bioclimatic architecture, but also laboratories of cultural transformation, experimenting with new social norms, economic models, and educational paradigms.

As such, eco-communities offer ideal conditions for sustainability education: they provide immersive, real-world learning environments where individuals can connect theoretical knowledge with tangible action, and where learning is driven by relevance, immediacy, and collective purpose.

Non-Formal Education: A Pedagogical Bridge

Non-formal education (NFE) plays a critical role in enabling eco-communities to become effective learning ecosystems. Characterized by its flexibility, contextual adaptation, and learner-centered design, NFE:

- Encourages participatory learning and co-creation,
- Promotes active citizenship and community engagement,
- Emphasizes the acquisition of practical competencies alongside values and ethics.

In eco-community settings, NFE methodologies facilitate processes of empowerment, intercultural dialogue, and capacity-building that are essential for navigating complex sustainability challenges.



From Sustainability to Regeneration

While sustainability has traditionally been defined as the capacity to meet present needs without compromising the ability of future generations to meet their own, regenerative development goes further. It proposes a proactive and systemic approach that seeks to **restore, revitalize, and enhance the health and vitality** of ecosystems, communities, and cultures.

This regenerative perspective frames sustainability as a **living, evolving process**, and aligns with a deep ecological and systemic understanding of our role within the biosphere. In this sense:

- The **Social Dimension** explores community resilience, participatory governance, and cultural diversity.
- The **Ecological Dimension** emphasizes restoration, permaculture, and the reconnection with natural systems.
- The **Economic Dimension** advocates for localized, ethical economies rooted in cooperation and sufficiency.
- The **Worldview Dimension** addresses inner transformation, intercultural wisdom, and paradigmatic shifts toward interconnectedness

Youth Engagement in Eco-Communities

Youth are central to any long-term sustainability strategy. Engaging them in eco-community settings enables intergenerational learning and creates fertile ground for cultivating leadership, agency, and innovation. Through NFE methodologies, young people not only acquire practical skills, but also develop a sense of belonging, responsibility, and capacity to contribute meaningfully to their communities and the planet.

Chapter 1

Social Dimension



Cultivating Resilient, Inclusive and Empowered Communities

The Social Dimension of sustainability emphasizes the importance of human relationships, collaborative governance, and cultural cohesion as fundamental components of sustainable development.

Social Dimension



While environmental and economic systems are often at the forefront of sustainability discussions, social systems provide the relational and institutional foundations upon which any long-term change must be built.

In eco-communities and regenerative initiatives, the Social Dimension becomes visible in the ways people organize, communicate, make decisions, and resolve conflicts. It invites a continuous process of **community co-creation** based on trust, inclusion, and shared responsibility.

Key Objectives

- Foster inclusive and participatory decision-making processes.
- Strengthen community identity, collaboration, and cohesion.
- Promote leadership models based on empowerment and shared responsibility.
- Create safe spaces for dialogue, healing, and collective creativity.

Social Dimension



Core Elements

- **Community Building and Diversity:** Strategies to build mutual trust, shared values, and a culture of inclusion, celebrating both unity and difference.
- **Participatory Governance and Conflict Resolution:** Tools such as sociocracy, nonviolent communication (NVC), and restorative circles enable communities to manage tensions constructively and reach consensus-based decisions.
- **Empowerment and Leadership:** The shift from hierarchical leadership to facilitation and shared leadership roles supports the emergence of distributed power and responsibility.
- **Education, Dialogue and Social Action:** The community becomes a space for continuous learning and collective action, where individuals are encouraged to engage with local and global challenges.

Social Dimension



Sample Activities

- **Nonviolent Communication (NVC):** A structured process for empathic listening and conflict transformation that supports emotional literacy and mutual understanding.
- **Dream Circle:** A collective visioning exercise that facilitates the emergence of shared community goals through storytelling, reflection, and visual mapping.
- **Community Timeline:** A participatory workshop where members co-create a visual history of their community, identifying key milestones, challenges, and aspirations.

Impact in Practice

- Applying the Social Dimension fosters:
- Stronger interpersonal bonds and group resilience.
- A deepened culture of cooperation and accountability.
- Increased capacity for communities to self-organize and evolve sustainably over time.

Chapter 2

Ecological Dimension



Living in Harmony with Nature through Regenerative Practices

The Ecological Dimension addresses our relationship with the Earth. It invites communities to go beyond sustainable practices and engage in regenerative actions that heal ecosystems, restore biodiversity, and foster a deep reconnection with the natural world.

The Ecological Dimension



Key Objectives

- Promote environmental awareness and literacy.
- Regenerate ecosystems and protect natural resources.
- Implement sustainable and regenerative land-use practices.
- Cultivate a culture of ecological stewardship.

Core Elements

- **Permaculture and Regenerative Design:** Designing living systems that mimic natural processes and support long-term regeneration.
- **Sustainable Food Systems:** Local food production, agroecology, and community-supported agriculture.
- **Eco-Infrastructure and Resource Management:** Water harvesting, renewable energy systems, composting, and ecological sanitation.
- **Reconnection with Nature:** Nature immersion, eco-therapy, and bio-cultural awareness.

Example Activities

- **ECO-Planting Workshop:** A practical session on growing edible and medicinal plants using permaculture principles.
- **Ecological Footprint Mapping:** A visual exercise to assess community impact and identify areas for action.
- **Nature Dialogue Walks:** Facilitated experiences to deepen emotional and spiritual connection with local ecosystems.

Chapter 3

Economic Dimension



Building Resilient, Ethical, and Regenerative Economies

The Economic Dimension redefines prosperity by prioritizing wellbeing over growth, collaboration over competition, and resilience over dependency. It invites communities to co-create economies that are inclusive, locally rooted, and ecologically sound.

The Economical Dimension



Key Objectives

- Promote economic self-reliance and resilience.
- Foster ethical entrepreneurship and cooperative business models.
- Encourage resource-sharing and circular systems.
- Strengthen financial literacy and participatory economic design.

Core Elements

- **Right Livelihood and Regenerative Work:** Encouraging economic activities that align with values of care, justice, and sustainability.
- **Local and Solidarity Economies:** Systems such as barter, time banks, local currencies, and cooperatives.
- **Social Enterprises and Green Entrepreneurship:** Income-generating initiatives with environmental and social impact.
- **Financial Empowerment:** Skills in budgeting, impact investing, and collective resource management.

Example Activities

- **Community Currency Simulation:** A role-play workshop to explore the dynamics of localized exchange systems.
- **Green Business Canvas:** A tool for co-designing regenerative business models.
- **Circular Economy Challenge:** A problem-solving session focused on rethinking resource flows within the community.

Chapter 4

Worldview Dimension



Transforming Consciousness to Support
Regenerative Culture

The Worldview Dimension addresses the inner and cultural foundations of sustainability. It explores how values, beliefs, and paradigms shape our relationship with the world and with each other. Regenerative change begins with a shift in consciousness—a reorientation toward interdependence, reverence for life, and collective wellbeing.

The Worldview Dimension



Key Objectives

- Cultivate self-awareness and inner resilience.
- Encourage ethical living and responsible citizenship.
- Integrate cultural wisdom and spiritual insight into education.
- Support transformative learning processes.

Core Elements

- **Mindfulness and Personal Development:** Practices that enhance presence, emotional intelligence, and self-leadership.
- **Intercultural and Indigenous Wisdom:** Learning from diverse worldviews and traditional knowledge systems.
- **Spiritual Ecology:** Recognizing the sacredness of the Earth and integrating spirituality with environmental responsibility.
- **Ethics and Planetary Consciousness:** Developing a global ethic of care, compassion, and systemic awareness.

Example Activities

- **Círculo de los Sueños (Dream Circle):** A storytelling practice for collective visioning and integration of personal purpose with community goals.
- **Worldview Mapping:** A reflective tool to explore the beliefs and assumptions that influence behavior.
- **Step into Our Reality:** An immersive interview method where participants engage with local elders or cultural leaders to learn about traditional sustainability practices.

The 4 Dimensions of Sustainable Development

The 4 Dimension Framework serves as a comprehensive model for understanding and advancing sustainable development in eco-communities.



Each dimension addresses a critical aspect of sustainability.

Social Dimension

1.1 Nonviolent Communication (NVC)



WHAT IS NONVIOLENT COMMUNICATION?

A communication framework that fosters empathy, active listening, and peaceful conflict resolution.



WHAT IT CONSISTS OF?

- **Observation** – Stick to **facts, not judgments** (Ex: “I noticed you left your cup on the table” instead of “You’re always so messy!”).
- **Feelings** – Say how you **actually feel** (Ex: “I feel frustrated” instead of “You annoy me!”).
- **Needs** – Identify **what really matters** (Ex: “I need a clean space to work peacefully”).
- **Requests** – Ask, don’t demand! (Ex: “Can you clean up when you’re done?” instead of “Clean this NOW!”).

WHY USE NONVIOLENT COMMUNICATION?

This methodology strengthens relationships, reduces conflicts, and fosters a more cooperative environment in eco-communities.

1.2 Patterns of Engagement



WHAT IS IT?

Patterns of Engagement is a toolkit designed to help eco-communities navigate challenges, build strategies, and strengthen collaboration. Think of it as a step-by-step guide to creating thriving, resilient, and engaged communities.

WHAT ARE THE KEY PHASES?

- 1. Sense and Express Essence** – Define who you are, what your community stands for, and how to align with your environment.
- 2. Manage Dynamic Balance** – Identify polarities (conflicts, tensions) and create harmony between different perspectives.
- 3. Nourish Emergent Change** – Understand past struggles, reconcile differences, and lay the groundwork for transformation.
- 4. Work on Articulating Wholeness** – Connect different sectors of your community into a cohesive and inclusive vision.

What are we aiming for with Patterns of Engagement?

Each phase offers a **practical pathway** for communities to **overcome obstacles, strengthen collaboration, and create regenerative solutions**

- 5. Enable Potential to Flourish** – Foster personal and collective skill development to empower community members.
- 6. Adapt to Changing Contexts** – Stay flexible, innovative, and open to new ideas as the community evolves.
- 7. Transform Obsolete Structures** – Challenge old, outdated systems and create new sustainable solutions.
- 8. Co-Evolve with the Bioregion** – Expand your impact by connecting with other communities and sharing best practices.

1.3 Disconnection Methodology



WHAT IS DISCONNECTION METHODOLOGY?

A non-formal training methodology, leveraging eco-community environment to assimilate participants into an environmentally conscious space, allowing them to disconnect with methodology and connect with the venue, the community and themselves.

How Does It Work?

THE DISCONNECTION CHALLENGE

Step 1: Write a Letter to Yourself

Participants reflect on their fears and expectations about unplugging for 10 days.

Step 2: Lock Away the Tech

Phones, laptops, and smartwatches go into a locked box—one person holds the key!

Step 3: Learn Through Experience

Instead of scrolling, participants engage in improv theater, local workshops, and hands-on eco-activities.

What is the aim of the disconnection methodology?

Reconnect with Yourself

Without distractions, you **tune into your thoughts, emotions, and surroundings.**

Stronger Social Bonds

Real **face-to-face interactions** replace notifications and DMs.

Learn by Doing

Youth workers experience **practical, immersive learning** they can apply in their own programs.

1.4 Outreach to Local Communities



WHAT IS OUTREACH TO LOCAL COMMUNITIES?

It is an action that gives room to volunteers to take initiative, create projects, and build real-world skills through hands-on experiences, by **teaming up with local initiatives** – from eco-businesses to cultural events

What can you do?

Winemaking

Learn traditional techniques and support local producers.

Soap - making

Create sustainable products while learning about eco-friendly businesses.

Team Farming

Dive into agriculture and discover the magic behind tea production.

Organizing Marathons & Yoga Workshops

Promote well-being, teamwork, and event planning skills!

Why Use This Methodology?

Boosts Leadership & Project Management Skills

Plan, organize, and make things happen.

Strengthens Community Connections

Engage with locals, businesses, and organizations.

Encourages Active Citizenship

Volunteers learn by doing, leaving a positive impact.

1.5 Leave Your Own Mark and Beyond



WHAT IS IT?

The Leave Your Own Mark and Beyond methodology encourages participants to design their own learning journeys, taking initiative to **enhance eco-communities and build local connections**.



HOW IS THIS METHODOLOGY IMPLEMENTED?

Outdoor Learning & Hands-On Experimentation

Participants engage in real-world projects that challenge them to be creative and resourceful.

Trial & Error Approach

Participants test out ideas in a safe, simulative environment, refining them through peer feedback.

Final Implementation

After receiving insights and mentorship, participants adapt and apply their activities in real community settings.

IT IS IMPORTANT

that the facilitator gives the freedom to the participants to take initiative, make trials and errors and even implement them in a simulative environment amongst their peers, before receiving feedback, adapting and implementing the finalized version of their activities.

THIS METHOD

fosters collaboration, skill development, and innovation, giving participants the freedom to shape their impact

creates supportive spaces to test out and receive insights/expertise from other actors in the same sector by creating open spaces for feedback and mentorship,

1.6 Be Aware



WHAT IS IT?

Be Aware is a non-formal education methodology designed to help young people understand and reflect on **addictive behaviors**. Instead of focusing on addiction as a problem, it explores the root causes—such as personal struggles, societal influences, and emotional pain—while fostering **self-awareness, accountability, and resilience**. The approach shifts the perspective from “what’s wrong with addiction?” to “what need does it fulfill?” and how individuals can develop **healthier coping mechanisms**.



HOW DOES IT WORK? (6 KEY THEMES)

Roots of Addiction

Explore personal and societal triggers of addiction.

Addictive Behaviors & Patterns

Identify habits that reinforce addiction.

Types of Addiction

Understand both substance-based & behavioral addictions.

Impacts of Addiction

Examine the mental, physical, and social effects.

Physical & Mental Well-being

Learn healthier emotional regulation techniques.

Prevention & Recovery

Develop long-term strategies for overcoming addiction.

HOW DO PARTICIPANTS LEARN?

Self-organized learning teams

Research & lead workshops

Storytelling, theater & debates

Interactive tools to engage participants.

Reflection activities

Exercises like the Johari Window for self-awareness.

Disconnection from technology

Fully immerse in the learning process.

WHAT ARE THE CONSEQUENCES OF USING THIS METHODOLOGY?

Develops Self-Awareness

Understand personal behaviors & triggers.

Enhances Critical Thinking

Assess how society influences addiction

Builds Emotional Resilience

Learn to handle stress & emotions healthily.

Strengthens Community Connections

Encourages open, non-judgmental conversations.

1.7 Welcome to My Village



WHAT IS IT?

Welcome to My Village is an **interactive role-playing activity** where participants **build their own clay villages**, create community rules, and experience **migration** by moving between villages. Through this **fun and creative exercise**, players explore **how communities function**, **adapt to change**, and **interact with cultural differences** in a dynamic and engaging way.



HOW IS IT IMPLEMENTED?

- 1. Group Formation** – Participants split into groups, and each one designs and builds its own village using clay while setting its own **community rules**.
- 2. Migration Begins** – After some time, people **move from one village to another**, experiencing different rules, customs, and structures.
- 3. Reflection Time** – A group discussion follows, encouraging participants to share their experiences, emotions, and insights about **inclusion, adaptation, and diversity**.

THE RESULT

Experience Cultural Exchange

It's a safe and creative way to understand migration, integration, and cultural identity.

Encourage Teamwork & Creativity

Building a village from scratch challenges groups to collaborate and problem-solve in a fun, hands-on way!

Foster Empathy

By stepping into different roles, participants gain new perspectives on adapting to new environments.

Whether you're a youth worker, educator, or just looking for a cool team-building activity, *Welcome to My Village* is a fun, thought-provoking way to explore community, inclusion, and cultural adaptation!

1.8 Non-Formal Games & Dynamics



WHAT IS IT?

This methodology turns learning into an adventure! Through role-playing, storytelling, and teamwork challenges, participants develop **problem-solving, leadership, and decision-making skills**—without even realizing it! These interactive games make complex topics fun, engaging, and experiential, helping participants understand **social, economic, and ecological systems** in an immersive way.



HOW IS IT IMPLEMENTED?

1. Non-Formal Games – A mix of role-playing, interactive storytelling, and team challenges that promote leadership, strategy, and collaboration.

2. Waste Management Role-Play – Participants become policymakers, business owners, or citizens, making decisions on recycling, landfills, and sustainability while debating real-world challenges.

3. Compost Activity – A hands-on experiment where teams research and analyze how composting affects agriculture, economy, and sustainability, making the connection between waste and value crystal clear.

4. The Flower of Permaculture – Through storytelling, role-play, and community interviews, participants explore Earth care, People care, and Fair share, applying these ethics to real-world sustainability solutions.

WHY USE THIS METHODOLOGY?

Learning Through Experience

Games make education fun, memorable, and engaging, ensuring concepts stick!

Bridging Theory & Practice

Participants don't just talk about solutions—they act them out and problem-solve in real time.

Building Essential Life Skills

From teamwork and critical thinking to environmental responsibility, these activities help participants develop key competencies for the future.

So whether you're negotiating a landfill policy, composting waste, or redesigning a village with permaculture ethics, this non-formal learning approach makes serious topics seriously fun!!

1.9 Talent Show



WHAT IS IT?

The Talent Show is a community-driven event where people of all ages come together to **showcase their skills, share their passions, and have a blast on stage!** It's not just about singing and dancing—it's about creating a space where talents shine, confidence grows, and connections flourish.



HOW IS IT IMPLEMENTED?

- 1. Spread the Word** – Promote the event through social media, posters, and word-of-mouth to gather participants and an audience.
- 2. Gather the Crew** – Recruit volunteers to help with setup, decorations, and technical support (sound, lights, stage).
- 3. Set the Stage** – Arrange seating, microphones, and audio equipment, ensuring everything is ready for the big night!
- 4. Perform & Enjoy** – Participants take turns showcasing their talents, while a host keeps the energy high between acts.
- 5. Celebrate & Reflect** – Wrap up with **cheers, feedback, and maybe even prizes**, leaving everyone **inspired and empowered!**

WHAT ARE THE BENEFITS?

Boosts Confidence

Stepping on stage empowers people to express themselves in a supportive environment.

Strengthens Community Bonds

It's a fun, inclusive experience that brings people together through music, creativity, and shared moments.

Encourages Skill-Sharing

From music and poetry to juggling and storytelling, everyone has something unique to offer!

So whether you're a **performer, supporter, or just in it for the fun**, the **Talent Show** is the perfect way to **celebrate creativity, build connections, and make unforgettable memories!**

Ecological Dimension

2.1 Climate Fresk Cards

Ever felt like climate change is too big to tackle? Climate Fresk Cards make it fast and interactive! This high-energy collaborative workshop uses **42 game-like cards** – each representing a different aspect of climate science – to help teams connect the dots between **causes and consequences**, building a big-picture “fresk”.



WORKSHOP STRUCTURE

Build it!

Work with your team to piece together the full climate and its interconnected systems story by using the cards.

Get creative!

Once the fresk is assembled, the group personalizes it by drawing, decorating, and adding titles.

Talk it out!

Discuss and reflect on solutions, and leave with real ways to make a difference.

This method transforms climate overwhelm into clarity, thanks to an engaging, visual, and collective experience! Plus, it sparks deep convos, builds community, and gets people fired up to take action.

2.2 Waste Management Role-Play

The Waste Management Role-Play is a high-stakes, **interactive simulation that challenges participants to solve a waste crisis on a fictional island**. By stepping into the roles of key decision-makers, they must negotiate solutions to keep Bonito Island clean – can you balance sustainability, tourism, and local business needs?



What's the Game Plan?

Pick Your Role

Will you be the Mayor, Head of Municipal Waste Services, Director of the Tourism Board, an Ecological NGO Rep or the President of an Agricultural Cooperative? Each role comes with power, pressure, and tough choices!

The scenario

A viral video just exposed Bonito Island's waste disaster, threatening tourism, local livelihoods, and the environment.

Debate & Hustle

Work with (or against!) other players to find the best waste solution. Landfills? Composting? Recycling? You set the strategy—but can you get everyone on board?

The game follows structured phases:

- 1. Role prep:** Learn your character, develop a game plan, and get ready to negotiate.
- 2. Debate & decision-making:** Discuss strategies, manage a budget, and negotiate hard to find a win-win solution that satisfies ALL stakeholders.
- 3. Final decision & debrief:** Reflect on what worked, what flopped, and what waste policies mean in the real world. Could your decisions work in real life?

This realistic, debate-driven exercise puts participants in the driver's seat of real-world sustainability challenges. They'll experience firsthand the complexity of waste management, the trade-offs of economic development, and how policies impact communities. Most importantly, they'll walk away with a deeper understanding of circular economy solutions and Sustainable Development Goal 12 (Responsible Consumption & Production).

2.3 Compost Activity

The Compost Activity is a hands-on, discussion-based method that unpacks composting as a **game-changing sustainability practice**. It's all about turning **organic waste** into rich, soil-boosting material that cuts down on environmental impact and fuels **healthier food systems**!

HOW IT WORKS? GROUP CHALLENGE!

Teams split into three research focus areas

AGRICULTURE

Is compost better than chemical fertilizers? Teams dive into microorganisms, soil regeneration, and carbon sequestration to see how compost fuels healthier ecosystems.

PROCESS

What goes in? How long does it take? What factors like temperature & moisture speed things up? Teams explore household bins, community composting, and large-scale systems.

ECONOMICS

Can composting be a self-sustaining or even profitable activity? Teams break down municipal composting programs, local initiatives, and how composting slashes landfill costs.

Compare & Discuss!

Teams research, analyze real-life composting examples, and present findings.

Community Connection!

Participants share composting initiatives from their own countries and explore individual vs. community vs. industrial composting.

WHY THIS METHOD?

This activity opens eyes to sustainable waste management, proving that composting is a game-changer for food systems and climate action! Participants walk away with a deeper understanding of soil health, waste reduction, and practical composting solutions for everyday life and community projects





2.4 ECO-Planting Workshop

The ECO-Planting Workshop brings people together through hands-on gardening and sustainability activities. Participants learn old-school skills like **pot-making, planting, and eco-friendly decorating**, all while connecting with their community. It's a great mix of craft, nature, and personal development!

HOW IT WORKS?

Gather & Set Up!

Spread the word in community groups, gather materials (clay, soil, plants, decorations), and create a welcoming space.

Get Crafty!

Learn to make clay pots from scratch and plant succulents or other greenery, while learning about basic plant care and eco-friendly gardening techniques

Personal Touch!

Decorate the pots with eco-friendly materials like rope and stones.

Wrap Up & Clean!

Participants take turns showcasing their talents, while a host keeps the energy high between acts.



With a great mix of craft, nature, and personal development, the participants learn practical skills while fostering a love for eco-friendly living. It's not just about plants—it's about building connections, learning from different generations, and making sustainability accessible!



Ecological Dimension

3.1 Sustainable Development Goals (SDG) Multipliers Handbook

The SDG Multipliers Handbook is a participatory training tool designed to help facilitators, educators, and community leaders bring the UN Sustainable Development Goals (SDGs) into local action. It **provides interactive workshops** and Memory Cards to spark critical discussions, systems thinking, and real-world implementation of sustainability goals. This methodology empowers participants to localize the SDGs, making them **relevant, actionable, and impactful** within their unique community contexts.

HOW IS IT IMPLEMENTED?

- 1. Facilitators & Multipliers** – Trained participants become "multipliers," leading community discussions and projects based on the SDGs.
- 2. Interactive Workshops** – Sessions include small-group discussions, action planning, and participatory learning exercises to unpack each SDG.
- 3. Memory Cards System** – Over 200 guiding questions structured around four dimensions (social, ecological, economic, worldview) help participants analyze and implement SDGs in their specific biocultural context.
- 4. Flexible Training Formats** – Workshops can be half-day or full-day, adapted to different learning environments and audience needs.
- 5. Global to Local Impact** – The methodology is aligned with UNESCO's Global Action Program and has been used worldwide to foster grassroots sustainability initiatives.

WHY CHOSE THIS METHODOLOGY?

MAKES SDGs PRACTICAL

Turns global goals into local solutions through community-driven projects.

ENCOURAGES COLLABORATION

Engages citizens, businesses, and policymakers in a shared vision for sustainability.

EMPOWERS ACTION

Participants leave with real strategies, connections, and the confidence to drive change in their communities.

Whether you're a teacher, youth worker, or social innovator, the SDG Multipliers Handbook gives you the tools to turn ideas into action

3.2 Vertical Gardening for Entrepreneurship

Vertical Gardening for Entrepreneurship is a hands-on, non-formal education approach that teaches gardening, business, and STEM skills through **microgreen farming**. Participants turn eco-communities into green innovation hubs, enhancing their **entrepreneurial mindset** while improving local gardens, farms, and greenhouses. It's about growing food, growing skills, and **growing opportunities!**

HOW IS IT IMPLEMENTED?

Step 1: Get Your Hands Dirty!

Grab some seeds, soil, and trays—it's time to grow microgreens! Learn how to plant, water, and care for these little powerhouses while watching them sprout in just a few days.

Step 2: Think Like an Entrepreneur!

Your microgreens are growing... now what? In teams, create mini-business plans, set up imaginary farmers' markets, and learn how to price, market, and sell your greens.

Step 3: Market Challenge!

Pitch your greens! Compete in a fun sales simulation, where you try to convince “customers” (aka fellow participants) to buy your product. Get creative with storytelling, branding, and sales techniques.

Step 4: Digital Upgrade!

Learn how to design online ads, create simple websites, or showcase your microgreens on social media using basic digital skills.

Step 5: Grow the Impact!

Your eco-community gets new gardens, fresh produce, and skilled young entrepreneurs ready to take their skills to the next level. Plus, facilitators and youth workers can adapt this method to their own communities!

3.2 Vertical Gardening for Entrepreneurship

Whether you're a youth worker, educator, or an aspiring eco-entrepreneur, this methodology equips you with the tools to grow success.

SPECIFICALLY:

COMBINES FARMING & BUSINESS

Learn how to grow food and market it like an entrepreneur.

EMPOWERS DISADVANTAGED YOUTH

Teaches STEM and digital skills to boost employability.

STRENGTHENS ECO-COMMUNITIES

Enhances local farms, gardens, and sustainability projects.

Flexible & Scalable

Adaptable for youth workers, trainers, and facilitators to integrate into their own programs.



3.3 The Wheel of Impact

Imagine turning NGO evaluation into a **fun, interactive game**—that's the Wheel of Impact! This tool helps youth organizations and NGOs see what's working, what's not, and how to level up their impact in areas like resources, communication, and strategy. No more boring reports—just a cool, visual way **to track progress and spark change!**

HOW DOES IT WORK?

Step 1: Self-Assessment Questionnaire

Organizations rate themselves on various aspects (e.g., identity, strategy, resources, communication, innovation, risk management).

Step 2: Visualizing the Wheel

Responses create a visual "Wheel of Impact", showing which areas need improvement.

Step 3: Strategy & Action Planning

Based on the results, teams develop solutions through structured discussions and action plans.

Step 4: Gamified Learning

Through interactive exercises and real-world case studies, youth workers and NGOs refine their approaches and test strategies.

Step 5: Ongoing Monitoring

The tool helps organizations track progress over time, ensuring they stay on course for greater impact.

Why use this methodology?

TURNS EVALUATION INTO A GAME

Makes impact assessment fun, engaging, and practical!

ENCOURAGES COLLABORATION

Teams work together to identify gaps, solve challenges, and innovate.

HELPS ORGANIZATIONS GROW

Provides a clear roadmap for improvement, making NGOs more efficient and effective.

DESIGNED FOR THE DIGITAL AGE

Uses digital tools and gamification to make learning and evaluation more interactive.

3.4 Economic System Role - Play Game

The Economic System Role-Play Game is an interactive simulation where participants **step into the shoes of different economic players**—countries, policymakers, businesses, and citizens—to experience firsthand how trade, capitalism, and sustainability work in the real world. Whether you're negotiating deals, managing resources, or making policy decisions, this game brings economics to life through **action-packed role-play!**

Setup

1. Divide into teams

Each team represents a **rich, middle-income, or low-income country**.

2. Distribute resources

Rich countries get **scissors, rulers, and templates**, while poor countries have **only paper**.

3. Set up the market

A Commodity Trader (facilitator) will buy shapes at varying prices based on **supply and demand**.

How to play?

Produce & Sell

Cut out shapes and sell them **to the market**.

Trade & Negotiate

Poorer countries must **find ways to get tools or form alliances**.

Adapt to Market Changes

Prices fluctuate, new technology emerges, and **surprises happen!**

Make Strategic Choices

Will you **cooperate, compete, or exploit** others to win?

End of the game

Count each country's earnings.

Discuss: Was the game fair? Who benefited most?

Relate to real-world economics!

WHY PLAY THIS GAME?

Experience Economics in Action

It's not a lecture—it's a hands-on dive into global trade, capitalism, and sustainability!

Learn to Negotiate & Adapt

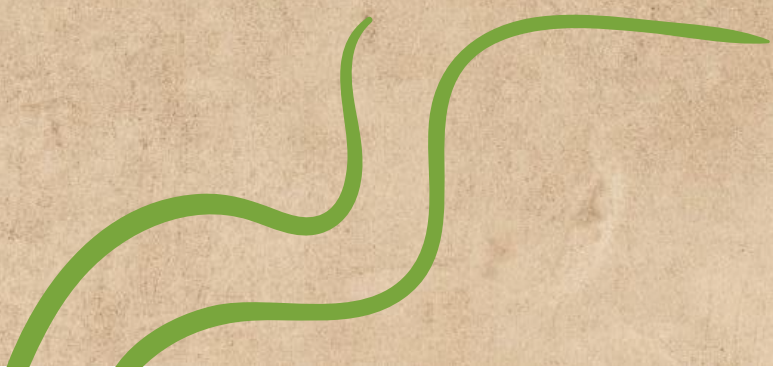
Test your strategy, teamwork, and problem-solving skills in a fast-paced environment.

Uncover Real-World Inequalities

Feel the frustration, power struggles, and market dynamics that shape economies today.

Fun, Engaging, and Eye-Opening!

No textbooks needed—just strategy, creativity, and a little bit of competition!



3.5 Step Into Our Reality

Step Into Our Reality is an interactive field project where participants walk through a rural village, interview locals, and share their stories. The goal is to understand the **joys and challenges** of countryside life, gather real insights, and **promote rural tourism**. It's all about learning on the go—by talking, observing, and experiencing!

1. Plan Questions

Brainstorm key interview questions about **life, challenges, and opportunities** in the village. **Why?** To gather insights about the villagers' experiences.

How? Brainstorm **key questions**, such as:

What do you love about living here?

What challenges do you face?

What advice would you give someone moving here?

2. Conduct Interviews

Split into teams, walk around the village, and talk to locals. To directly engage with locals and hear their perspectives. Split into small teams and walk around the village, approaching villagers and asking them the prepared questions.

3. Analyze & Create Awareness

Organize findings into reports, blogs, or visual content highlighting rural life. To showcase the benefits of rural life and highlight real needs. **How?** Organize the interviews into a report, blog post, or visual content focusing on healthy lifestyles, traditions, and local development needs.

4. Marketing & Promotion (2 hrs)

Share insights through social media, flyers, and articles to boost rural tourism and awareness. To promote the local community and increase rural tourism.

How? Use social media, flyers, and newspapers to share insights, stories, and visual materials that encourage people to visit or support rural communities.

Why use Step Into Our Reality method?

Firsthand Learning – Understand rural life through real conversations.

Community Impact – Promote local culture and tourism.

Engaging & Fun – A walk, talk, and learn experience!

Step outside, meet new people, and bring rural stories to life!

4.1 Youth in Transition

Built around the 4 Dimensions Gaia Education Framework – **Social, Ecological, Economic, and Worldview** – Youth in Transition (YINT) is a hands-on, creative, and immersive non-formal education approach. It's all about bringing sustainability to life through interactive activities, blended learning, and real-world experiences.



HOW DOES IT WORK?

Shape the Learning Journey

Use the **4 Dimensions** Framework to connect people, planet, and purpose.

Blend Online + Offline Learning

Combine **live sessions, discussion forums, and self-reflection activities**.

Facilitate with Impact

Engage youth through storytelling, deep listening, participatory activities, and mindfulness.

YINT in Action – Key Activities

Social Dimension

Create inclusive spaces, practice conflict resolution, and co-design community projects.

Ecological Dimension

Explore eco-activism, resource limits, and hands-on sustainability solutions.

Economic Dimension

Rethink money, experiment with regenerative economies, and explore shared resources.

Worldview Dimension

Reflect on personal values, interview elders, and envision a sustainable future through storytelling.

Make It Transformational

Use the experiential learning cycle – **Experience • Reflect • Analyze • Apply** – and promote peer learning & intergenerational knowledge exchange.

Why use this Method?

Young People Are Changemakers!

Empowers youth to shape their future with resilience and ecological awareness.

Experiential Learning Cycle

Uses Experience → Reflect → Analyze → Apply for deep learning.

Builds a Sustainability Mindset

Encourages peer learning, intergenerational exchange, and real-world impact.

4.2 Ecovillage Design Education (EDE) Curriculum

Ever wanted to design a community that's actually **sustainable, self-sufficient, and thriving**? With this a four-week comprehensive sustainability training program, developed by **Gaia Education** and launched in 2005 at the Findhorn Ecovillage, you'll gain the skills to build and sustain eco-communities.



WHAT'S IN FOR YOU?

Learn the essentials – Explore the four key areas: Social, Ecological, Economic, and Worldview, exploring everything from permaculture and eco-building to team dynamics and ethical leadership.

Get hands-on – Instead of boring lectures, create projects, solve real-world problems, experiment with sustainable solutions, and work with a team.

Design your own vision – Through collaborative design, storytelling, and community-led initiatives, you'll develop skills to build regenerative spaces that actually work.

Customize your learning – Whether in an ecovillage, city, school, or grassroots project, EDE can adapt to different settings, making sustainability education accessible and relevant for all.



Why this program?

The program has run in 100+ locations worldwide, proving that when people learn to design sustainable communities, they help shape a better future. Graduates leave with real skills, covering everything from growing food and renewable energy to alternative economies and community decision-making.

4.3 Gaia YES!

Gaia YES! is a holistic approach to sustainability education. It follows the Head, Heart, and Hands model – so you're thinking critically (Head), connecting emotionally (Heart), and taking action (Hands).



HOW TO DO IT?

Ditch the textbooks

This isn't about memorizing facts or passive listening; participants engage in storytelling, critical discussions, and creative questioning.

Work on real-world projects

From eco-friendly innovations to regenerative community initiatives, participants create, test, and implement real-world sustainability projects that are relevant to their communities.

Teamwork meets impact

Includes role-plays, eco-innovation challenges, and practical sustainability actions.



Why this method?

Whether in a classroom, an eco-village, or running a youth workshop, the methodology can be shaped to fit different environments. By balancing thinking, feeling, and doing, participants not only grasp the concepts of sustainability but also live them in their everyday actions!

4.4 Leave Your Own Mark and Beyond

Dive into hands-on outdoor learning! As part of the ESC51 program at Hopeland, young people get to explore, experiment, and level up their skills – without a rigid curriculum holding them back.



WHAT'S HAPPENING?

Learn by Doing

Get outside, get creative! Participants design and run real-world activities that make a difference in the local environment and community

Trial & Error = Growth

Youth workers and facilitators test their ideas, get feedback, tweak their methods, and perfect their activities before taking them to a bigger stage.

Collaboration & Mentorship

It's all about peer learning! Work with others, share knowledge, and co-create new approaches in a space where creativity thrives and failure is just another step toward success.



WHY?

This method sparks innovation, personal growth, and community impact. It's about empowering young people to take the lead, build real connections, and develop practical, future-proof skills – all while making a tangible difference in the world around them.



4.5 CLIPS

Ever wished there was a cheat code for building strong, thriving communities? That's CLIPS (Community Learning Incubator Program for Sustainability) – a hands-on toolkit designed to help eco-communities tackle challenges, boost teamwork, and level up their collaboration skills. It's all about balancing the four layers: Individual, Community, Intention, and Structure.



WHAT'S IN THE TOOLBOX?

Conflict Mapping

Turn drama into growth! Visualize tensions, needs, and solutions to transform conflicts into opportunities.

Organizational Triangle

Where's your group at? Place symbolic objects in a triangle representing the project's current vs. ideal state to balance teamwork, processes, and results.

The Consent-Based Decision-Making Method

No more awkward silences! Use structured rounds to clarify ideas, voice concerns, and make decisions that everyone actually supports.

The Color Game

Participants associate different colors with emotions, traits, and strengths to explore personalities, communication styles, and group interactions.

Social Permaculture Mapping

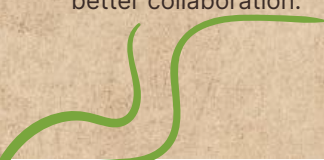
See your community from a new perspective! Identify strengths, weaknesses, and ways to build long-term organizational sustainability through a visual mapping process.

Dream Circle

What does the ideal future look like? Share, sketch, and co-create a collective vision using guided reflection and creative expression..

WHY THIS METHOD?

Because **strong communities** don't just happen—they're built! With interactive exercises, participatory decision-making, and storytelling magic, CLIPS helps groups map their **strengths, overcome tensions, and develop real solutions** for better collaboration.



4.6 Flower of Permaculture

Ever wondered how nature, people, and fair living all connect? The Flower of Permaculture is a hands-on, interactive learning experience focusing on the three core ethics – Earth Care, People Care, and Fair Share.

WHAT'S THE EXPERIENCE LIKE?

Intro to Permaculture

Start by explaining the **three ethics** and how they shape sustainability and community well-being.

Creative Representation

No boring lectures here! Participants create **theatrical images** to visually express each of the three ethics.

Community Exploration

Engage with local eco-projects, meet the people behind them, and see permaculture in action. Ask questions, get inspired, and learn how to apply these **principles in real life!**

Reflection & Sharing

Hear real stories from community members and connect the dots between **theory and practice.**

WHY THIS METHOD?

The Flower of Permaculture method makes it possible to connect with nature, explore ecosystems, and see sustainability in action while teaming up with others to build community and learn from real changemakers. Participants walk away with practical skills and the confidence to take action and create a greener future in their own way.

4.7 Politi-Cards

Think politics is boring? Think again! Politi-Cards is an interactive game that makes politics, social engagement, and active citizenship fun, and engaging. It's all about sparking debates, thinking critically, and exploring democracy in an easy-to-digest way.

WHAT'S HAPPENING?

1. Prep Time

Get the card/board games ready, set up the space, and prep some thought-provoking topics.

2. Kick-off

Introduce the game, set ground rules, and explain the goal of sparking political dialogue in a fun, casual way.

3. Tournament Play

Let the games begin! Players engage in rounds of the game, discussing various social and political topics as they go.

4. Debrief & Reflection

Time to unpack the experience! How did it feel? What new perspectives came up? What real-world actions can you take? Don't forget about prizes for winners!

Bonus Tip

Encourage players to co-create their own political scenarios, making the game even more interactive and relevant!

WHY THIS METHOD?

Because politics shouldn't be intimidating – it should be empowering! Politi-Cards creates a safe, open space where young people can voice their opinions, challenge ideas, and build confidence in tackling real-world issues. It connects generations, fuels meaningful conversations, and proves that politics can actually be fun.

Conclusion



Weaving the Dimensions: Towards Regenerative Futures

As we come to the conclusion of this e-handbook, one truth stands clear: sustainability is not a fixed destination, it is an ongoing journey of regeneration, co-creation, and transformation.

The Four Dimensions of Sustainability and Regeneration: Social, Ecological, Economic, and Worldview, are more than theoretical pillars. They are interconnected pathways through which communities can build resilience, deepen purpose, and cultivate lasting change. Together, they invite us to think systemically, act collaboratively, and live in alignment with the principles of life itself.

- The Social Dimension fosters inclusive and resilient communities rooted in trust, participation, and collective leadership.
- The Ecological Dimension encourages active stewardship and regenerative practices that restore ecosystems and reconnect us with nature.
- The Economic Dimension challenges us to redesign value systems and create ethical, localized economies that serve both people and planet.
- The Worldview Dimension calls for a transformation in consciousness—awakening a deep sense of interbeing, cultural respect, and ethical responsibility.

These dimensions do not operate in isolation. In practice, they form a living framework for communities to educate, evolve, and thrive guided by non-formal education methodologies that emphasize learning by doing, community engagement, and transformative experiences.



From Insight to Action: Your Role in Regenerative Education

The content shared in this handbook is only the beginning. Its true impact depends on how you facilitators, educators, community leaders, and changemakers bring it to life in your own context.

Whether you're designing a youth workshop, coordinating a community initiative, or nurturing a long-term learning ecosystem, your actions contribute to a wider movement of systemic change.

Take the next step:

- **Adapt:** Translate these tools into formats that suit your learners, culture, and community dynamics.
 - **Activate:** Use education as a vehicle for empowerment, collaboration, and ecological restoration.
 - **Amplify:** Share your experiences, connect with peers, and contribute to a growing network of regenerative practitioners.
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Expanding the Ecosystem: Join the Movement

To support your ongoing journey, we are developing new tools and platforms to strengthen this educational ecosystem:

Digital Learning Hub – Interactive activities, multimedia content, and facilitation guides accessible to all.

Knowledge Platform (WordPress) – A curated, open-access repository of resources and case studies.

Workshops & Webinars – Live sessions for skill-building, exchange, and community-building.

For updates, networking opportunities, and downloadable materials, visit the [ECOSYSTEM Portal](#).

Looking Forward

Education for sustainability is evolving—because the world is evolving. The need for regenerative leadership, bold experimentation, and deep connection has never been greater.

Let this handbook be a compass, a resource, and a source of inspiration. But most of all, let it be a call to action. Together, we can transform learning into a powerful force for resilience, restoration, and regeneration.

The future is not something we inherit—it is something we co-create.

Let's shape it, together.





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