

Green Futures: Crafting Impactful Projects for a Sustainable Tomorrow!

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PMI-GPM-b

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Agenda

1. Introduction
2. The Urgency of Sustainability
3. What is Green Project
4. The Project Management Process
5. Sustainability Principles in Project Management

- 20+ Years Experience
- Various industry – Finance, banking, supply chain, logistic, insurance, agriculture, startup, payment
- Focus Area/Skillset
 - Transformation
 - Project Management Office
 - Program and Project Management
 - AI & Innovation
 - Cross-Functional Team Leaderships
 - IT Architecture and Infrastructure
 - Agile Mindset
 - Change Management
 - Business Process Improvement
 - Exceptional communication skills

- Organization Experience
 - Ketua Muda Mudi PMV Vaipulya Sasana (2000-2002)
 - Wakil Ketua Pemuda Buddhayana DKI Jakarta (2003-2005)
 - Ketua Pemuda Buddhayana DKI Jakarta (2005-2008)

- Achievement
 - Speaker at OMM 101th
 - Panelist at PRANKS 100th OFFLINE
 - Speaker at PMDAY 2024 Vietnam Hanoi



Tony, MM, PMP®, PMI-ACP®, PMO-CP
General Secretary of PMI Indonesia



SUSTAINABILITY



Understanding Sustainability

Sustainability means meeting **present needs** without compromising the ability of future generations to meet theirs. It connects the environment, economy, and society in a balanced and harmonious way.





SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

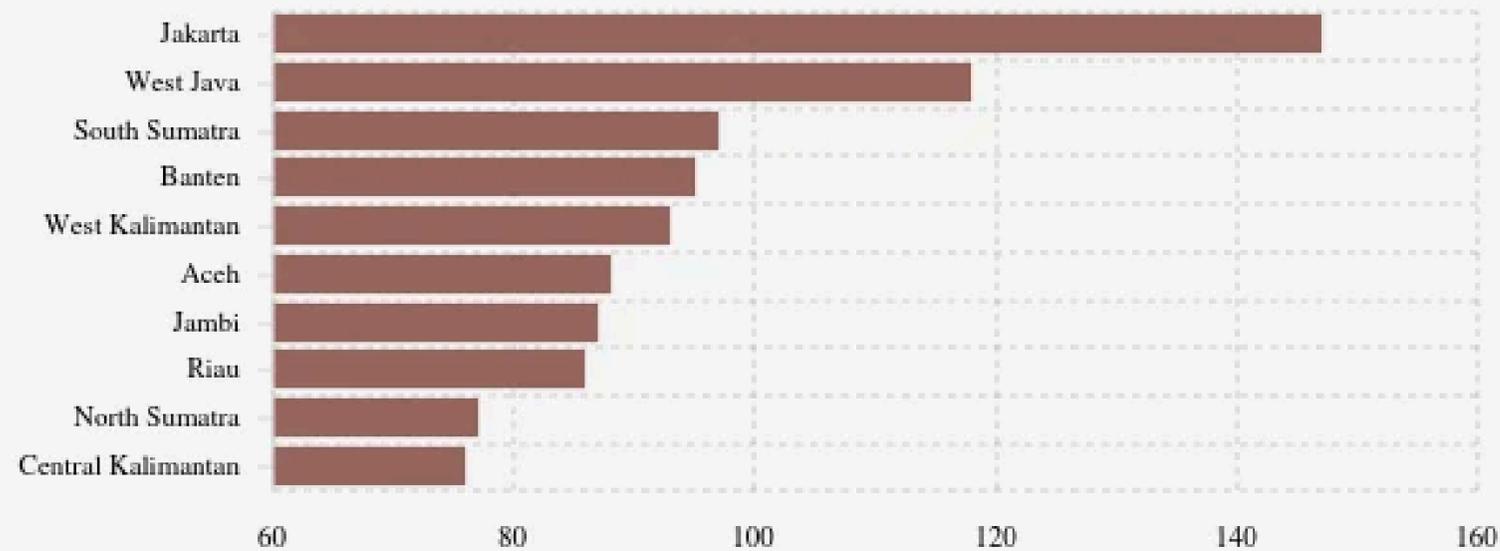
17 PARTNERSHIPS FOR THE GOALS





Urgency of Sustainability

10 Provinces with the Worst Air Quality in Indonesia as of 08:00 WIB, February 12, 2026



Impacts of a changing climate

Exposure to warming



Between 2017 to 2021, the average summer temperatures experienced by people in Indonesia were 0.7°C higher than the 1986–2005 average global mean temperature increase of 0.3°C.

Romanello et al., 2022; World Meteorological Organization, 2022

Changes in the ability to work due to exposure to excessive heat



In 2021, heat exposure in Indonesia led to the loss of 5.1 billion potential labour hours, a 25% increase from 1990–1999.

Loss of earnings from heat-related labour capacity reduction



Extreme heat can make it unbearable or even dangerous to work in a range of economically important sectors. The potential income loss in 2021 – in the service industry, manufacturing, agriculture, and construction sectors – from labour capacity reduction due to extreme heat was USD 18.3bn, or 1.59% of GDP.

60%

Youth's Global Population Proportion

With **over 60%** of the world's population under 30, young people are essential in driving sustainable practices and advocating for **effective solutions** to environmental challenges.



Role of Youth in Driving Sustainable Change

1. Innovators and Entrepreneurs
2. Advocates for Policy Change
3. Educators and Influencers
4. Community Organizers
5. Collaboration Across Generations

What is Green Projects?

Green projects are initiatives designed to achieve environmental sustainability while balancing social and economic needs. They focus on reducing negative impacts on the environment and promoting practices that contribute to long-term ecological health. These projects encompass a wide range of activities, from small community efforts to large-scale industrial or infrastructural developments.

Types of Green Projects

- **Community gardens** foster local food production and engagement.
- **Clean energy initiatives** promote sustainable power sources and awareness.
- **Waste reduction campaigns** encourage recycling and responsible consumption practices.



PROJECT MANAGEMENT PROCESS STAGES

Stage 1



Project Initiation

- Define the project's **purpose, scope, and objectives**
- Identify **key stakeholders**
- Create **project charter**

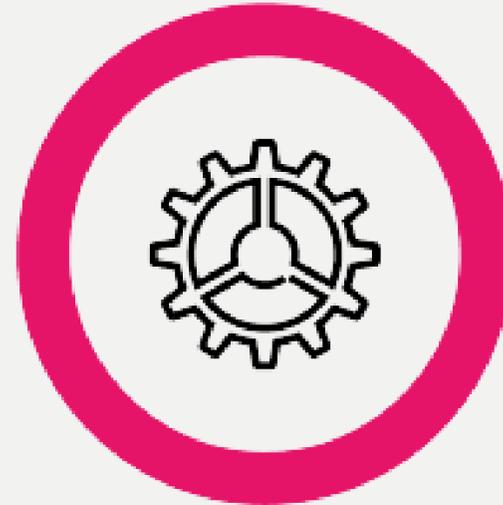
Stage 2



Project Planning

- Create a **project plan**
- Create a **work breakdown structure**
- Develop a **risk management strategy**

Stage 3



Project Execution

- **Start working** on the project plan
- Build **workflows, assign tasks** to team members
- Keep everyone **in the loop**

Stage 4



Project Monitoring & Controlling

- Do regular **reviews**
- **Monitor progress** against KPIs
- **Apply changes** when needed

Stage 5



Project Closure

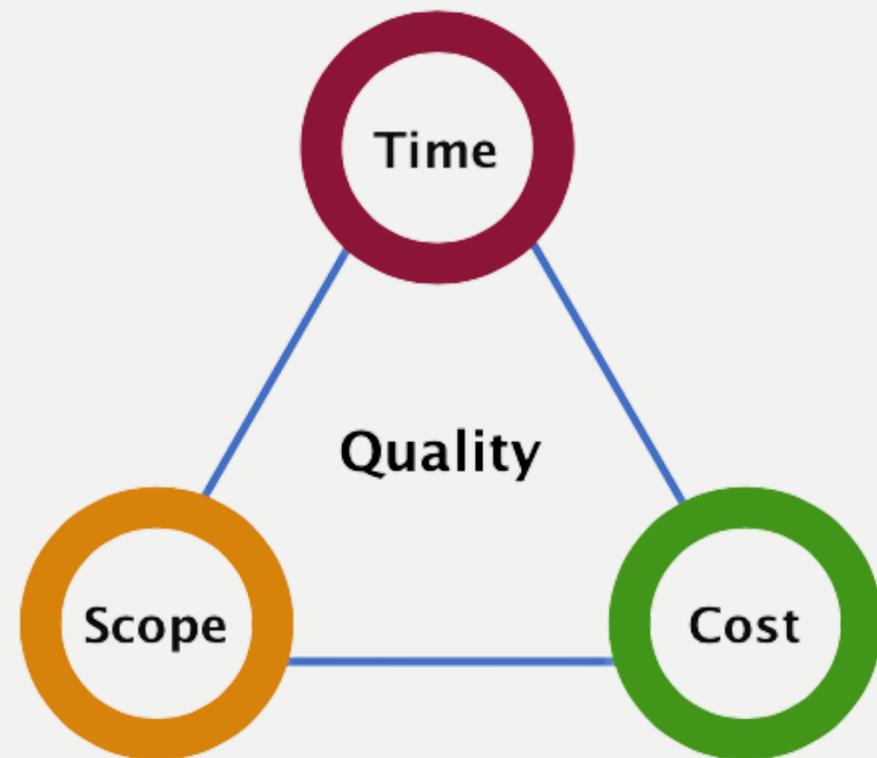
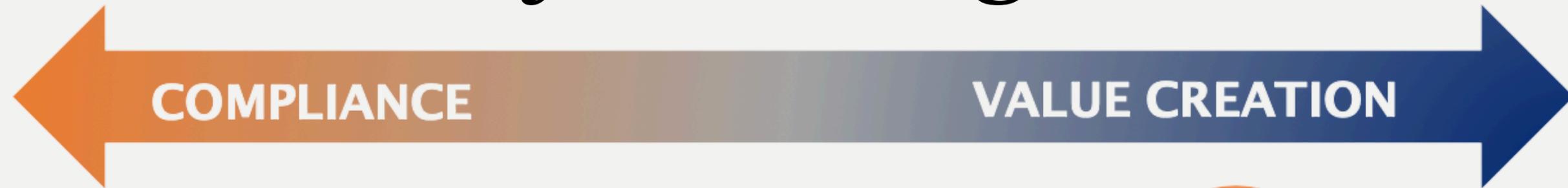
- Complete all **project deliverables**
- Discuss **failures and successes**
- Document **lessons learned**

What is Sustainable Project Management?

Project management has evolved beyond the traditional focus on compliance with the constraints of **time, cost, and scope** to include an emphasis on delivering the objectives in the business case in order to support the expected outcomes.

Today, **sustainable project management** is about **integrating a sustainability ethos** into every aspect of the project. This means ensuring that projects **contribute positively** to the **environment, to society, and to the economy** without **compromising the ability of future generations** to meet their own needs. To ensure that they create value.

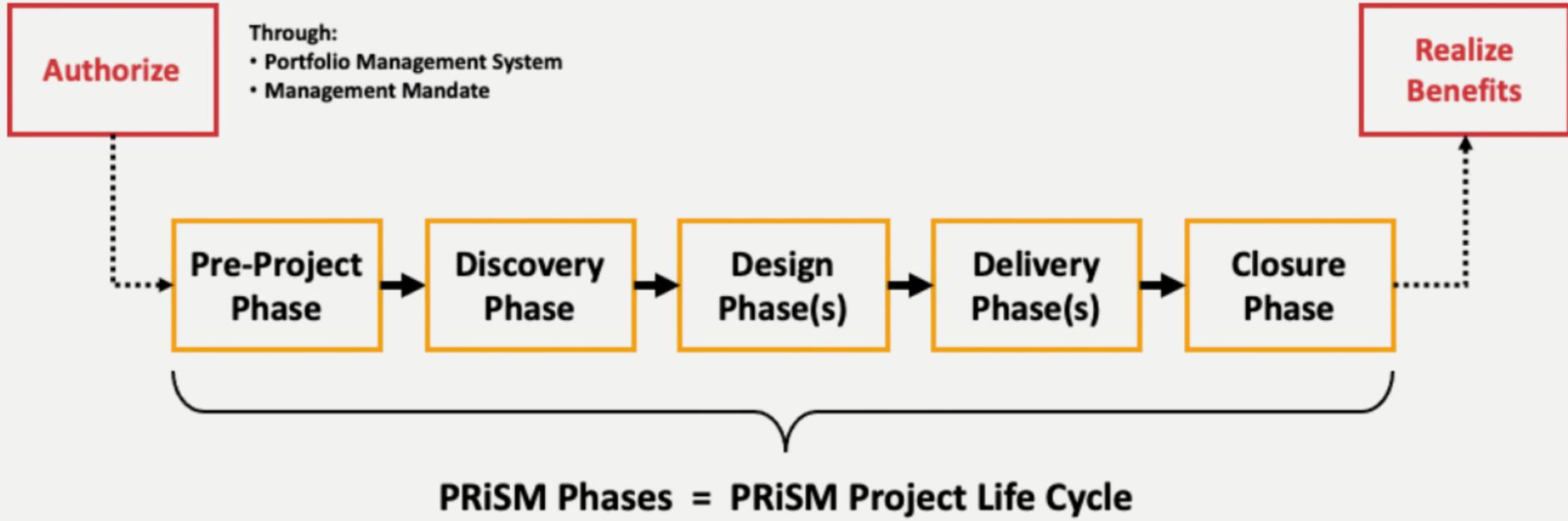
Evolution of Project Management Focus



What makes difference?

Sustainability Management Plan (SMP)

- Key Performance Indicators (KPIs). These will be as outlined in the P5 Impact Analysis.
 - Environmental impact assessment. A summary of the planned environmental impact and steps that will be taken to decrease the effects or increase the opportunities identified.
 - Scope Exclusions. Any known areas of potential sustainability impact that the project will not address.
 - Sustainability risk management. Any differences from standard practices in the approach to identifying, analyzing, and responding to sustainability risks.
 - Reviews and reporting. Steps to take in a project audit regarding sustainability and how sustainability metrics will be reported throughout the project.
-
- P5 Impact Analysis (P5IA). A snapshot of the project's P5 score and incremental re-baselining from previous assessments. It should include recommended actions to be taken in order to increase benefits and mitigate risks.
 - Approvals and Signoffs Page. A section to gain approval for the project manager to take action based on the P5 impact analysis.
 - Sustainability Reporting Summary. A description of how the project and its outcomes contribute to the organization's sustainability strategy and utilized as material for sustainability reporting.



People Impacts					
Subcategory	Varies by Example	Lens	Scored?	Description (Cause)	Potential Sustainability Impact
Element	Definition				
Wind Farm Project					
 Local Competence Development	Local competence development is the process of fostering and expanding skills, knowledge, and expertise in the localities in which the project operates. It can involve providing training or education to local individuals, as well as encouraging collaboration and the sharing of resources between the project organization and local organizations or local individuals.	Lifespan	Yes	There is currently no local training that focuses on the development of local talent in renewable energy technology, such as wind turbine maintenance and repair. This makes it nearly impossible to promote the expansion of renewable energy enterprises within the region.	There will be no local based talent to support our asset long term.
		Servicing	Yes	There are currently no programs for students who desire to pursue work in renewable energy technology. In particular, there are none with a concentration in wind turbine maintenance.	There will be a shortage of maintenance options to keep the factory running.
		Effectiveness	Yes	The project management methods being taught in the trade schools don't include sustainability.	Team members will be less able to mitigate sustainability risks.
		Efficiency	No		
		Fairness	No		
Beverage Company: Energy Efficiency Project					
 Sustainable Procurement	Sustainable procurement and contracts includes practices for obtaining goods, raw materials, and services that take into account environmental, economic, and social impacts. It means contracting for resources in an ethical manner. It requires establishing agreements which adhere to environmental, social, and human rights standards.	Lifespan	Yes	The machinery available from approved vendors has a short lifespan and is sourced from overseas.	Does not support the local economy, is wasteful at EOL and costly.
		Servicing	Yes	We have no current collaborations with suppliers that have a high priority on sustainability across their supply chain.	Does not allow us to meet scope 3 emission goals and creates concerns around ethics in procurement.
		Effectiveness	Yes	Our procurement processes do not include criteria for vendors and suppliers that adhere to sustainable practices.	Limits our ability to have a sustainable supply chain.
		Efficiency	Yes	Our project management methods do not have provisions for sustainable procurement.	Unable to track and measure sustainability with suppliers.
		Fairness	Yes	Our procurement practices have no provisions for preferring local and small/medium sized businesses.	Not in line with sustainable procurement.

Business

Product Perspective

Lifespan

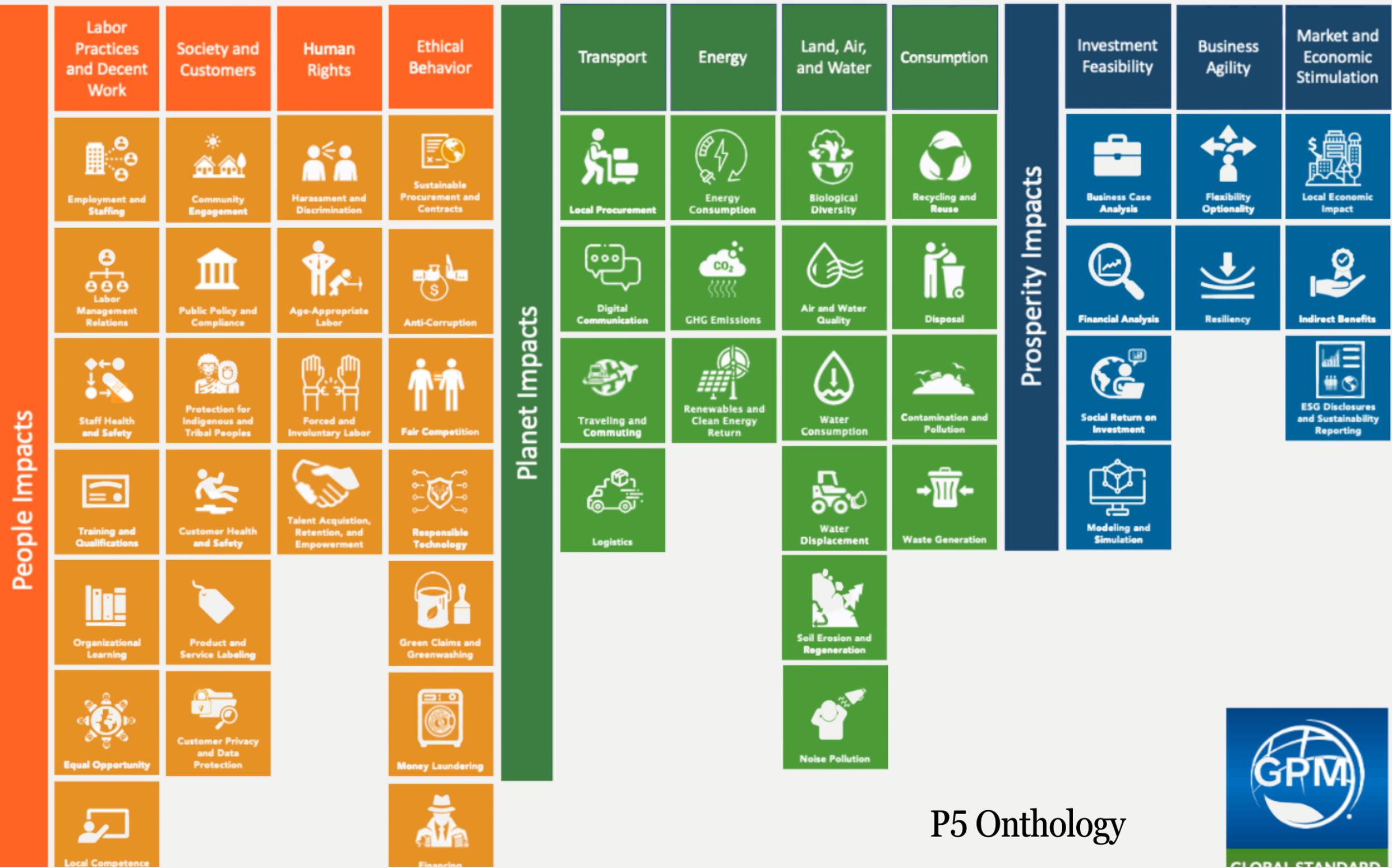
Servicing

Process Perspective

Efficiency

Effectiveness

Fairness



P5 Ontology



Eco-Friendly Practices for Everyday Life



Reduce

Minimize waste by choosing reusable products.



Reuse

Give items a second life instead of discarding.

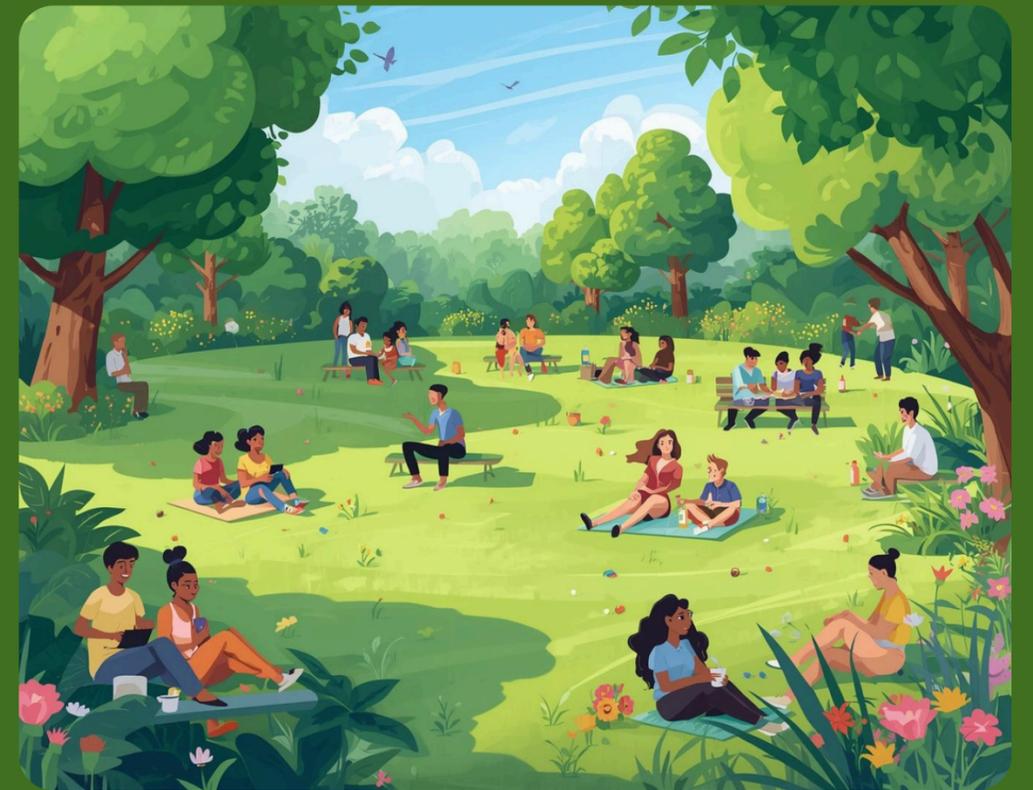


Recycle

Participate in local recycling programs to help.

Benefits of Youth-Led Green Projects

Empowering communities through environmental action



Get Involved

Identify Issues

Start by pinpointing local environmental challenges that need attention. Engage with community members to understand their concerns and prioritize projects that resonate with them.

Gather Support

Build a team of like-minded individuals who share your vision. Collaborate with local organizations and schools to gain support and resources for your green project.

Plan Project

Develop a clear plan outlining goals, timelines, and required resources. Ensure that everyone involved understands their roles and responsibilities, fostering teamwork and accountability.

Share Results

Once the project is completed, showcase its impact through social media and community events. Celebrate achievements, share successes, and inspire others to take action in sustainability.

Inspiring Youth-Led Success Stories

Transforming Communities Through Green Initiatives

Across the globe, youth are leading impactful projects, from urban gardens to beach cleanups, fostering community spirit while promoting **sustainable practices** and environmental awareness.



Challenges and Solutions

Addressing hurdles in youth engagement

Limited Resources

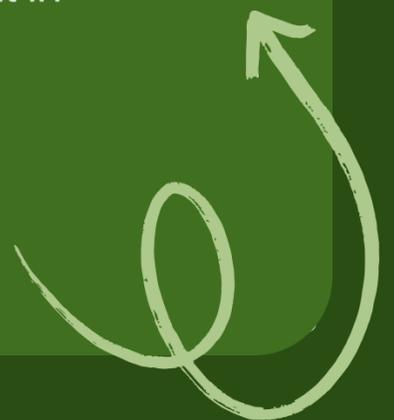
Many youth-led projects struggle with **funding and materials**, which can hinder their success. Building partnerships with local businesses can help secure necessary resources for initiatives.

Lack of Awareness

Youth may face challenges in raising awareness about **environmental issues**. Conducting educational campaigns and collaborating with schools can effectively inform their peers and communities.

Motivation Dips

Maintaining enthusiasm is crucial for project longevity. Celebrating small wins and creating a **supportive community** can boost morale and encourage continued engagement in green initiatives.



Call to Action

01 **Get Involved**

Start or join a local green project today.

02 **Use Social Media**

Raise awareness through your social media platforms.

03 **Create Change**

Inspire others to take action for the environment.

04 **Spread Awareness**

Educate friends and family about sustainability issues.

05 **Volunteer Opportunities**

Partner with organizations for impactful environmental work.

Resources for Youth Engagement

Explore various resources and organizations dedicated to promoting sustainability and youth involvement. These include educational websites, toolkits, and online communities that empower young leaders to make a difference.



Discussion



Let's talk about making a difference!