

INSTITUTIONAL STRATEGIC PLAN
Climate Action Plan
PGRI SEMARANG UNIVERSITY (2023–2030)



CENTER OF ENVIRONMENTAL AND SUSTAINABILITY
RESEARCH AND COMMUNITY SERVICE INSTITUTE OF
PGRI UNIVERSITY SEMARANG
2023

Chapter 1 Introduction

1.1 Background

Change climate has become issue global strategic impact direct to sustainability environment , resilience food , as well as stability socio-economic . College tall own role important as center development knowledge knowledge , innovation technology , and agents change in support mitigation as well as adaptation change climate .

PGRI Semarang University (UPGRIS) as institutions education tall own mandate For carry out **Catur Dharma of Higher Education** , namely education , research , community service to society , as well as exemplary behavior in life nation (UPGRIS Statute , 2019, Articles 4–5)

In context said , UPGRIS has show commitment real through various policy sustainability - based strategies , including :

- Guidelines Support Climate Conservation (2024) → includes operational campus , education , and research
- Procurement Sustainable → efficiency energy and reduction waste
- Investment Sustainable → based on ESG principles
- Sustainable Funding → based on ethics and environment

In addition, the direction of UPGRIS research and community service development has been structured through an institutional roadmap that focuses on engineering, science, environment, and food security as a response to global challenges (Research Strategic Plan 2024–2028; Community Service Strategic Plan 2021–2025).

Based on this, an **integrated Climate Action Plan is needed** that is able to combine policies, operations, and tridharma in one long-term strategic framework.

1.2 Objectives

Document This aim For :

1. Setting the direction policy institutions in mitigation and adaptation change climate
2. Integrating the principle of sustainability into the tridharma of higher education
3. Increase efficiency management energy , water and waste
4. Strengthening role environmental research and innovation
5. Increase impact devotion sustainability-based society

1.3 Scope

The scope of the Climate Action Plan includes :

- Campus operations (energy, waste, water, infrastructure)
- Education and curriculum
- Research and innovation
- Devotion to public
- Governance , investment and funding sustainable

Chapter 2. Vision, Mission, and Strategic Goals

2.1 Vision

To become a leading university based on sustainability and climate action with integrity and global competitiveness.

2.2 Mission

1. Sustainability

policy integration → Implementation policy environmental -based operations like procurement and investment sustainable

2. Strengthening Climate change-based

education → Integration of curriculum and sustainability-based MBKM

3. Development research innovative environment

→ Focus on energy , environment , and resilience food

4. Strengthening devotion society

→ Implementation technology appropriate environmental -based use

5. Strengthening global collaboration

→ Supporting innovation and implementation of climate action

2.3 Target Strategic

1. Reducing campus carbon emissions

→ through energy efficiency and operational digitalization

2. Resource efficiency

→ use of environmentally friendly energy and materials

3. Integrated waste management

→ based on the principles of reduce–reuse–recycle

4. Enhanced sustainability research

→ publications and technological innovation

5. Increasing social impact

→ environmental-based community service programs

Chapter 3. Analysis Strategic

3.1 Internal Analysis

Strength :

- Structure organization complete and integrated
- LPPM as center research and community service
- Sustainability policy has been available

Weakness :

- Monitoring not yet integrated
- Implementation cross- unit is not optimal

3.2 Analysis External

Opportunity :

- SDGs Support
- Global green campus trends

Threat :

- Change climate
- Pressure need energy

Chapter 4. Main Strategies and Programs

4.1 General Strategy

Transformation going to **Green Campus based on technology and tridharma**

4.2 Main Program

1. Energy and Emissions

- Energy audit
- Efficiency electricity
- Subtraction footsteps carbon

2. Water and Waste

- Management waste integrated
- Subtraction material dangerous (B3)

3. Education

- Sustainability curriculum
- Project-based learning based on the environment

4. Research

- Environment and energy
- Resilience food
- Technology appropriate use

5. Devotion

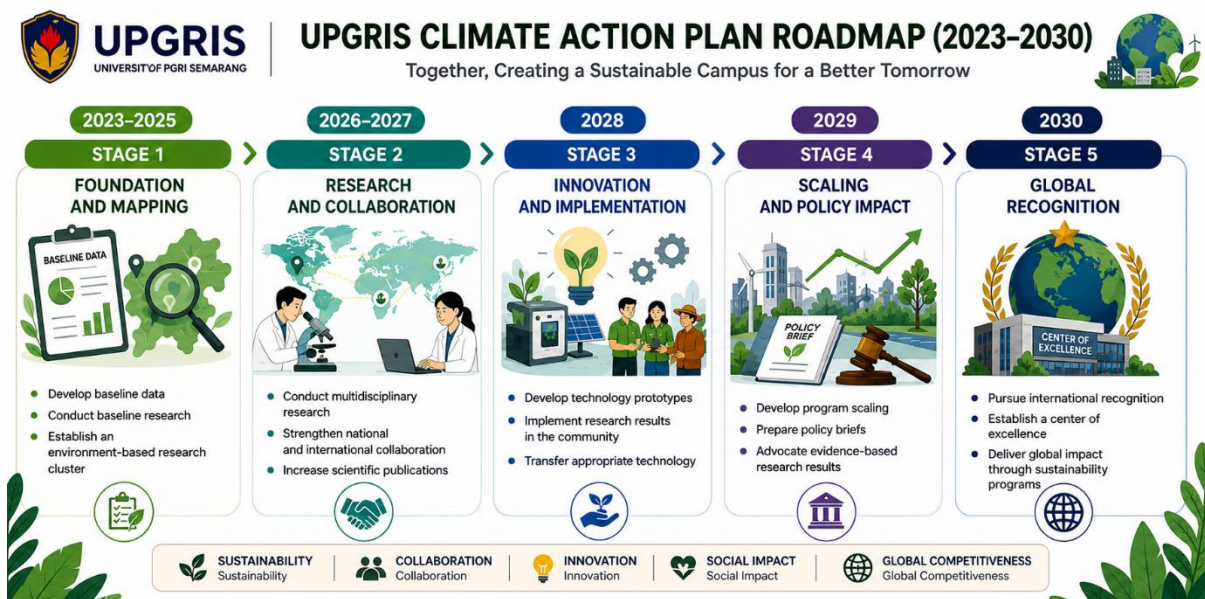
- Empowerment public
- Environmentally based programs

6. Funding and Investment

- ESG-based funding
- Green investment

Chapter 5. Roadmap Climate Action Plan

Roadmap



Road Map Description

Phase 1 (2023–2025): Foundation & Mapping

Focus on:

- sustainability data baseline
- mapping research
- cluster formation

Phase 2 (2026–2027): Research & Collaboration

- research multidisciplinary
- collaboration international
- improvement publication

Stage 3 (2028): Innovation & Implementation

- prototype technology
- implementation public
- TTG

Stage 4 (2029): Scaling & Policy Impact

- scaling program
- policy brief
- advocacy

Stage 5 (2030): Global Recognition

- center of excellence
- confession international
- global impact

Chapter 6. Implementation and Institutions

6.1 Main Responsible Person

Center for Environmental and Sustainability (CES) UPGRIS

As a strategic unit , CES functions :

1. Coordinator climate action policy
2. Sustainability program driver
3. Research center environment
4. Coordinator devotion
5. Monitoring & evaluation

6.2 Structure Implementation

- CES → coordinator main
- LPPM (Institute for Research and Community Service) → research & community service
- Faculty → implementation academic
- Operational units → energy & waste

6.3 Monitoring and Evaluation

- evaluation annual
- sustainability report
- internal audit

Chapter 7. Conclusion

Document This become base implementation of the UPGRIS Climate Action Plan in support development sustainable and action global climate .

Bibliography

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6. Strategic Plan Research 2024–2028
7. Strategic Plan Community Service 2021–2025

8. LPPM Policy
9. Structure Organization 2024