

## REDEFINING SUSTAINABLE ANIMAL PRODUCTION IN THE EU



The EcoGen Cluster, a consortium of five projects, aims to create sustainable practices in animal production across the EU. By integrating diverse approaches, it seeks to mitigate the environmental impact of the livestock sector while enhancing its economic and social role

### ( RECOMMENDATIONS )



#### SUPPORT RESEARCH

Encourage further research into genetic markers, advanced technologies, and microbiomes to enhance sustainable practices.



#### PROMOTE COLLABORATION

Foster collaboration between different stakeholders in the livestock sector.



#### IMPLEMENT FINDINGS

Apply the findings of the EcoGen Cluster to policy and practice.

The EcoGen Cluster's work has significant implications for policy making and practice in the livestock sector. By integrating diverse approaches from all five projects, it can help to create more sustainable and environmentally friendly practices.



This not only mitigates the negative effects of livestock production, such as greenhouse gas emissions, but also enhances its positive contributions. Supporting research, promoting collaboration, and implementing the cluster's findings are crucial steps towards achieving these goals.

# INTRODUCTION

The EcoGen Cluster addresses the significant environmental impact of the EU's livestock sector by developing sustainable practices. By integrating genetic research, advanced technologies, microbiome studies, and holistic approaches, the cluster aims to enhance livestock health and productivity while reducing negative environmental effects. This comprehensive approach ensures that all five projects within the cluster contribute to creating resilient and sustainable livestock systems.

## THESE KEY POINTS HIGHLIGHT THE MAIN OBJECTIVES AND METHODS OF THE ECOGEN CLUSTER:



### DEVELOPING SUSTAINABLE PRACTICES:

Focus on creating eco-friendly methods in animal production



### GENETIC RESEARCH:

Emphasis on identifying genetic markers to improve livestock health and productivity



### UTILIZING ADVANCED TECHNOLOGIES:

Implementation of cutting-edge technologies for better livestock management



### INVESTIGATING MICROBIOMES:

Study of microbiomes to improving desirable traits (phenotypes) including animal health



### HOLISTIC APPROACHES:

Integration of various scientific disciplines for comprehensive solutions



### SYSTEM RE-ENGINEERING:

Designing resilient and sustainable livestock systems.

## ( CONCLUSIONS )

The EcoGen Cluster's work is crucial in addressing the environmental challenges posed by the livestock sector. By redefining animal production practices through the integration of genetic research, advanced technologies, microbiome studies, and holistic approaches, it can contribute to a more sustainable and economically viable future.

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