Milestone 4: *Sustainable Agriculture in Morocco*

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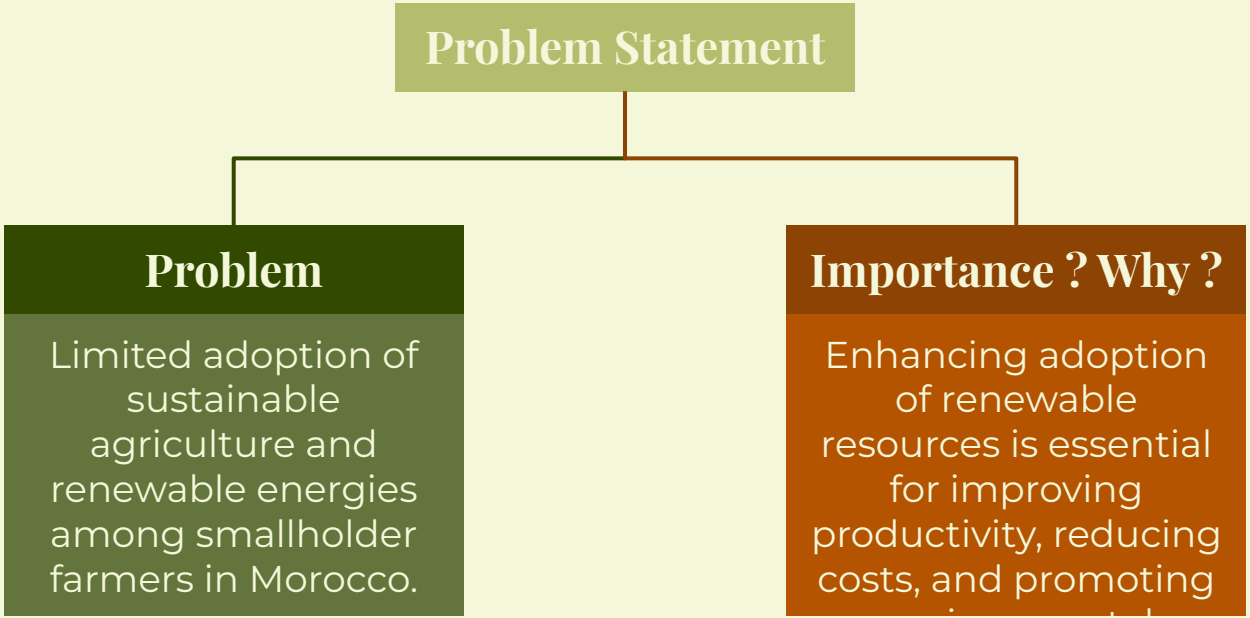
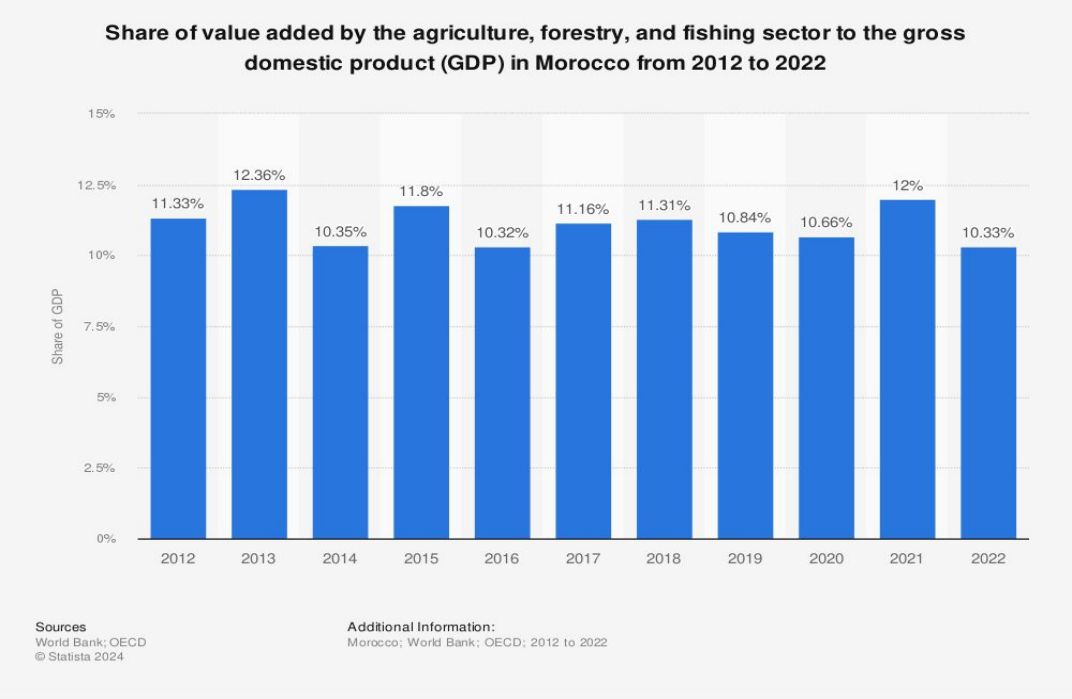
Sustainable agriculture project proposal



Impact on Smallholder Farmers

Ahmed, a smallholder farmer in rural Morocco, struggles with outdated farming methods and high operational costs. Limited access to renewable resources hinders his ability to increase productivity and profitability, perpetuating the cycle of poverty and environmental degradation in her community.

Factual Informations



Source: Statista (OECD Data)

-Agriculture contributes around **11%** to Morocco's GDP in the last decade. *(Source: World Bank)*

-Approximately **45%** of Morocco's workforce is employed in the agricultural sector. *(Source: FAO)*

Factual Informations

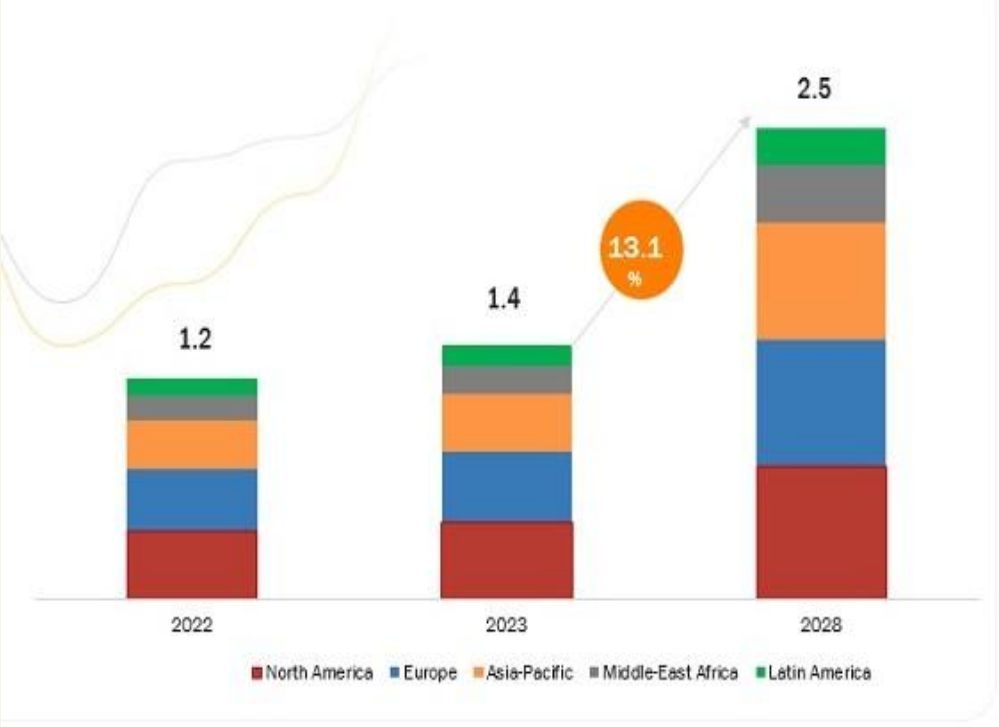
-Transitioning to renewable resources such as solar panels for irrigation and efficient farming methods could lead to increased productivity and profitability.

-Renewable resources adoption in agriculture could yield significant environmental benefits, including water conservation and reduced carbon emissions.

Factual Information

-Access to financing, technological infrastructure, and institutional support play crucial roles in determining adoption rates, and the the agriculture growth across the world.

-The global agriculture analytics market is expected to be worth USD 2.5 billion by 2028, growing at a CAGR of 13,1% during the forecast period, as it's shown in the following graph.



Source: MarketsandMArkets research Study

Ideal Candidate for Solving the Problem

The ideal candidate should possess expertise in agriculture and renewable energy, financial acumen, technological proficiency, and strong interpersonal skills. This holistic approach ensures they can effectively address the multifaceted challenges of transitioning smallholder farmers in Morocco to adopt sustainable agriculture and renewable energies.

Qualities Needed:

- Expertise in Agriculture and Renewable Energy
- Financial Acumen
- Technological Proficiency
- Strong Interpersonal Skills

Future Goals ?

1 Year

Development

Establish training centers by 2025, reaching 10,000 farmers across Morocco.

5 Years

Implementation

Secure funding for pilot projects & targeting 50% adoption in select regions.

10 Years

Establishment

Establish support systems by 2034, doubling adoption rates compared to current levels.

20 Years

Transformation

Achieve widespread adoption of sustainable agriculture and renewable energies.

1 year Goal

By 2025, establish a network of training centers and extension services to provide technical support and education on sustainable agriculture and renewable energies, reaching 10,000 smallholder farmers across Morocco.

5 years Goal

By 2029, secure funding and partnerships to implement pilot projects demonstrating the feasibility and benefits of renewable resource adoption in agriculture, targeting at least 50% of smallholder farmers in select regions.

10 years Goal

By 2034, establish comprehensive support programs and infrastructure to facilitate the transition to sustainable agriculture and renewable energies, aiming to double the adoption rate among smallholder farmers compared to the current rate.

20 years Goal

By 2044, achieve widespread adoption of sustainable agriculture and renewable energies among smallholder farmers in Morocco, resulting in a significant reduction in carbon emissions and increased agricultural productivity.