

Agroecological Initiatives in Morocco: Status and Evaluation

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1. Agriculture and Fisheries in Morocco



Agriculture in Morocco

8.7 million hectares of arable land (13% of total area)

Contributes 19% to GDP (15% Agriculture + 4% Agro-industry)

Agriculture exports account for 15-21% of total exports

Agriculture imports range from 14-24% of total imports

45% of the Moroccan labor force is employed in agriculture



Fisheries in Morocco

Benefit from Morocco's 3500 km of coast



Land use in Morocco

8% Forest

5% Alfa (*S. tenacissima*)

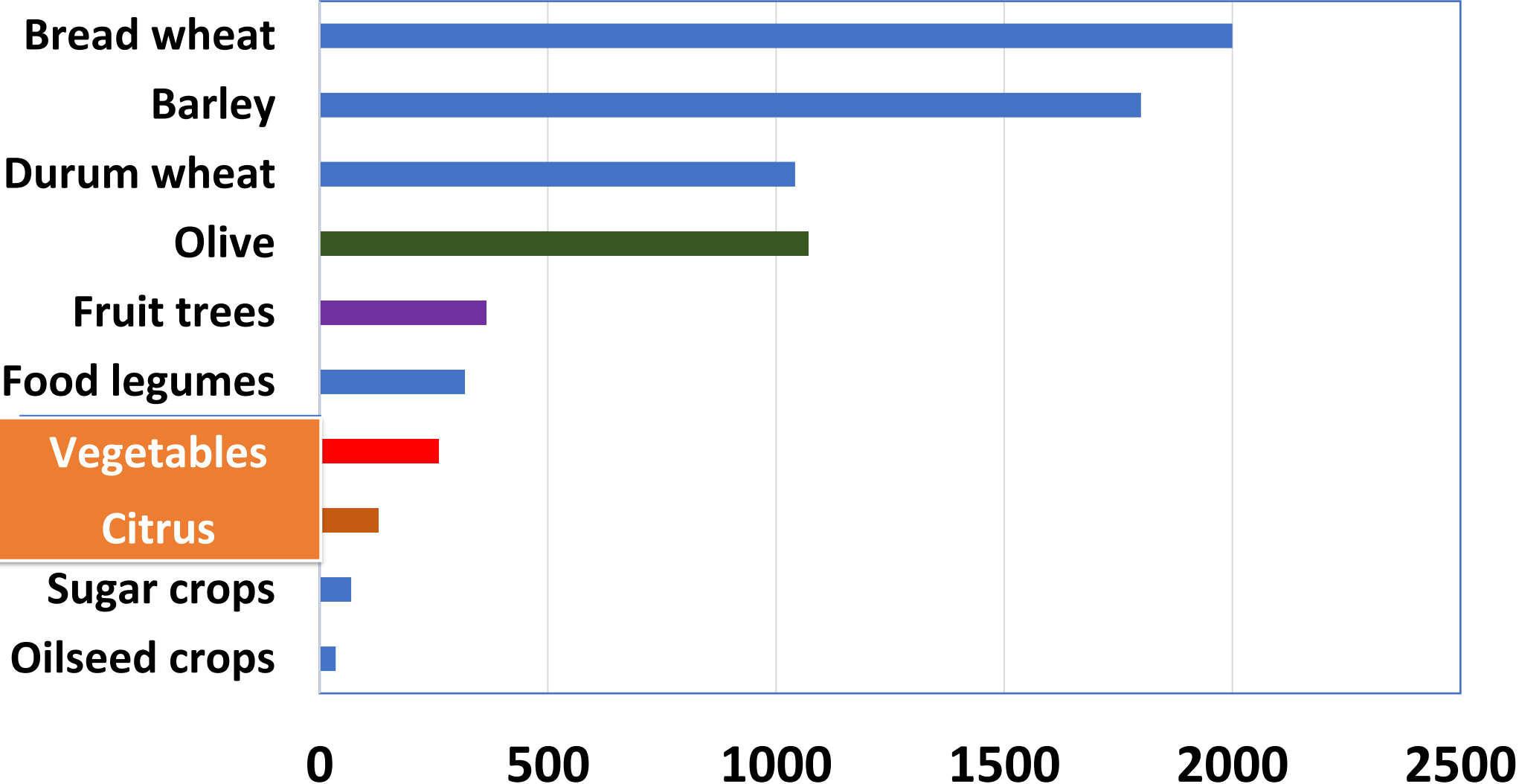
13% Agriculture

44% Uncultivated

30% Rangeland

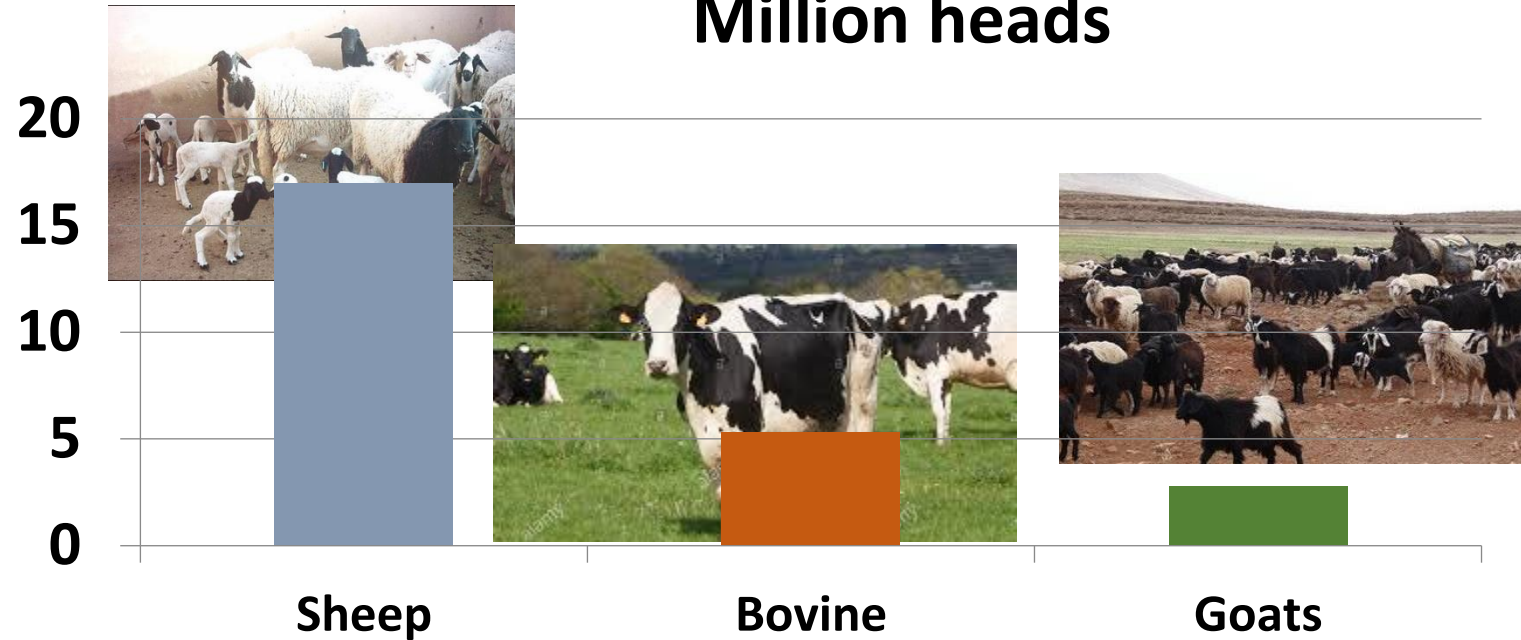


Major food crops in Morocco (1000 ha)



Animal Production

Million heads



600,000 Tons of poultry meat



5 Billion Eggs



2. Evolution of Agricultural Policies in Morocco

01

Transition from traditional to modern agriculture

02

Emphasis on productivity and competitiveness

03

Integration of family farming into the economy

04

Focus on sustainability and resilience

05

transition to agroecological practices



Pillars of the Plan Maroc Vert



Modernizing Agriculture

Enhancing productivity and competitiveness.

Ensuring increased food security.



Integrating Family Farming

Incorporating family agriculture into the economic system.

Promoting solidarity within the agricultural sector.

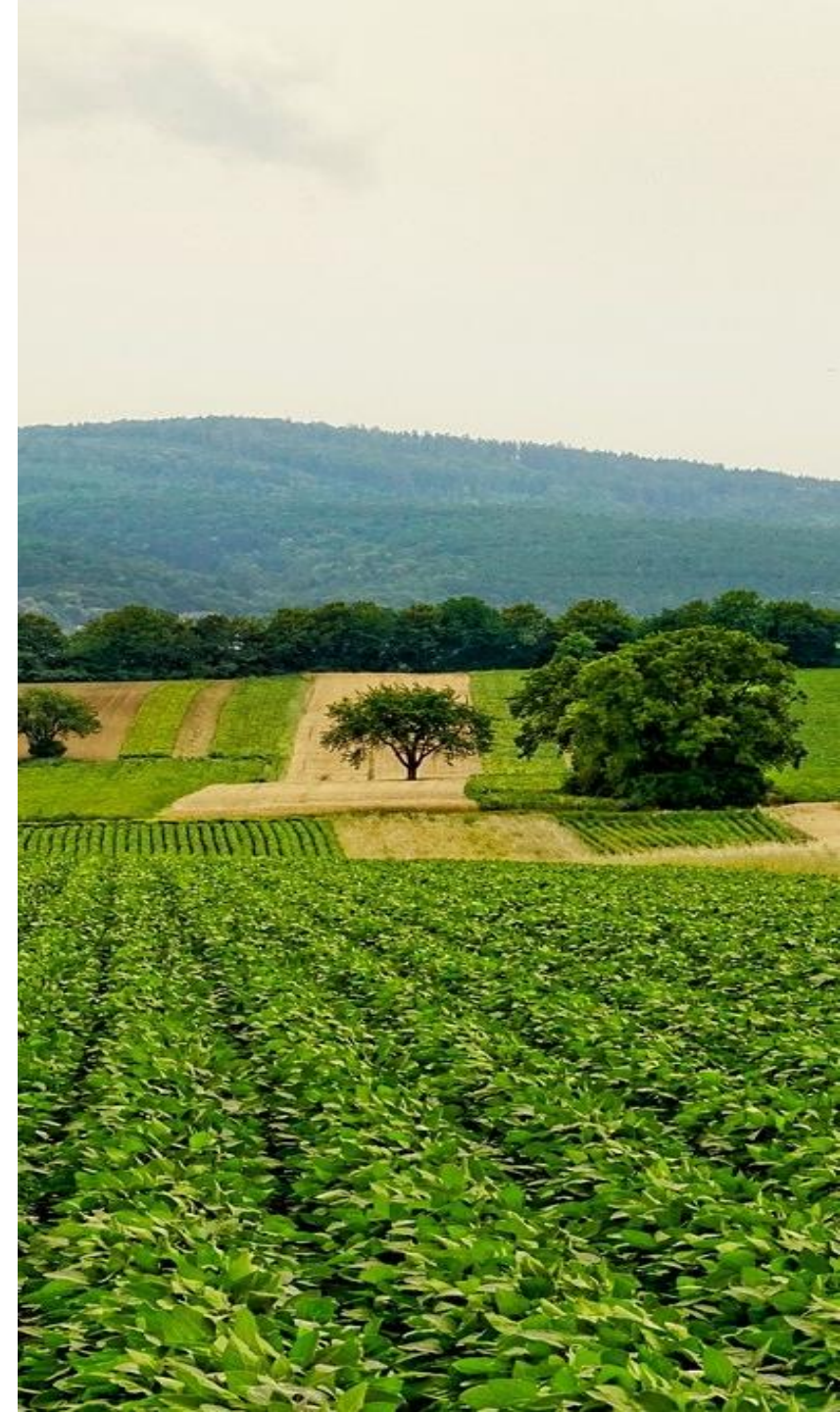
Introduction to the Stratégie Génération Green (SGG)

Launched in 2020, the SGG aims to enhance sustainability in Morocco's agricultural sector.

Focuses on promoting eco-efficient agriculture through resilience and adaptation to climate change.

Includes initiatives for water conservation, renewable energy promotion, and soil conservation techniques.

Targets a transition to agroecological practices for increased efficiency and sustainability.



Sustainable Water Management in Agriculture

01

Drip Irrigation

Implementation on 560,000 hectares of agricultural land

02

National Program for Drinking Water Supply and Irrigation (PNAEPI)

Focusing on water efficiency

03

Solar Pumping Techniques

Promotion of solar pumping techniques for irrigation to enhance energy efficiency

04

Sustainable Water Practices

Emphasis on direct seeding and solar energy use in irrigation

Conservation of Soil Techniques

No-Till Farming

Implementation of no-till farming for soil conservation.

Organic Agriculture

Promotion of organic agriculture for sustainable practices.

Transition to Organic Agriculture

01

Implementation of Organic Agriculture

Converting 100,000 hectares to organic farming by 2030.

02

Organic Fertilization Methods

Utilizing compost and bio-protection against diseases and pests.

03

Reduction of Chemical Inputs

Developing organic agriculture within the new strategy.

04

Enhancing Sustainability

Integrating organic agriculture principles to enhance sustainability and eco-efficiency in Moroccan farming practices.

Training and Innovation in Agroecology



Establishment of the National Center for Innovations in Agroecology



Accreditation of a new agroecological engineering program at the National School of Agriculture in Meknès



Focus on promoting and disseminating agroecological practices in Moroccan agriculture



Integration of agroecology principles in Moroccan agricultural policies



Commitment to training and supporting the transition to agroecological practices

4. Challenges in Adopting Agroecology in Morocco

01

Lack of official recognition and prioritization

Agroecology is not sufficiently recognized in Moroccan public policies.

02

Insufficient governmental support

Farmers transitioning to agroecological practices receive inadequate support.

03

Aggressive commercialization circuits

Long and aggressive commercialization circuits in the agro-industry hinder local and direct sales.

04

Limited availability of peasant seeds

Peasant seeds adapted to local environmental conditions are not readily available or accessible.

05

Need for increased consumer awareness

Consumers need more education about the benefits of agroecology and the drawbacks of conventional agriculture.

5. Need strategies for Promoting Agroecology Awareness

Establishing an Interprofessional Network for Agroecology

01

Forming a recognized interprofessional organization in collaboration with the Ministry of Agriculture

Facilitating negotiation and contract-program organization for agroecological practices.

02

Involving key Moroccan initiatives, associations, and experts to contribute to a national agroecological model

Leveraging the expertise of organizations like RIAM, Agrisud International, and others for a successful transition.

03

Fostering synergy between civil society actors and governmental entities for effective policy implementation

Developing supportive frameworks to assist farms in adopting agroecological practices.



Facilitating Access to Local and Organic Seeds

01

Promote Local and Organic Seeds

Support sustainable agriculture practices.

02

Encourage Use of Adapted Seeds

Utilize seeds adapted to local conditions for better environmental resilience.

03

Facilitate Production and Distribution

Enhance biodiversity and nutritional value through natural seeds.

04

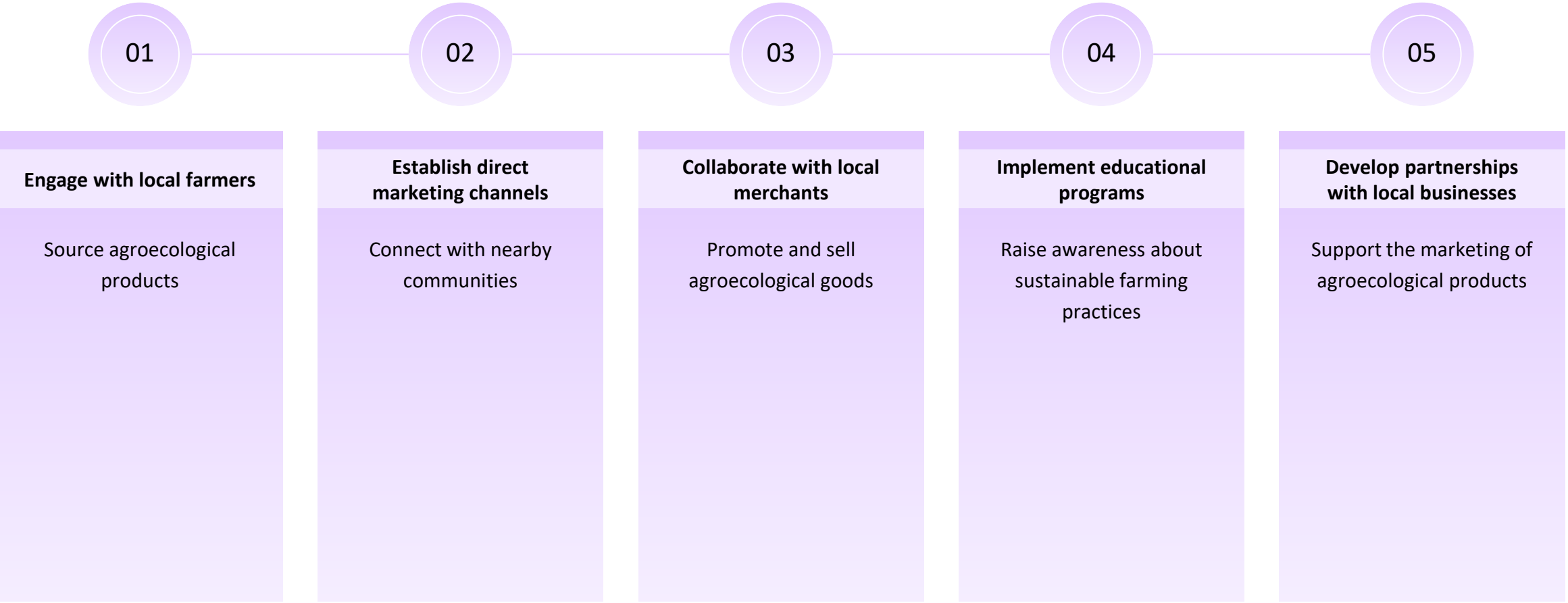
Support Commercialization Initiatives

Focus on wider adoption of local and organic seeds.

Collaborate with Agricultural Organizations

Ensure easy access to high-quality local and organic seeds.

Enhancing Local Transformation and Marketing Channels



Encouraging Private Sector Engagement in Agroecology

01

Raising Awareness

Educate agrofood industries on agroecology benefits.

Highlight long-term sustainability and profitability.

02

Collaborating with Private Sector

Partner with entities for sustainable practices.

Support transition to eco-friendly methods.

03

Incentivizing Involvement

Provide financial support for agroecological projects.

Offer technical assistance and resources.

04

Engaging Agrofood Businesses

Promote adoption of agroecological principles.

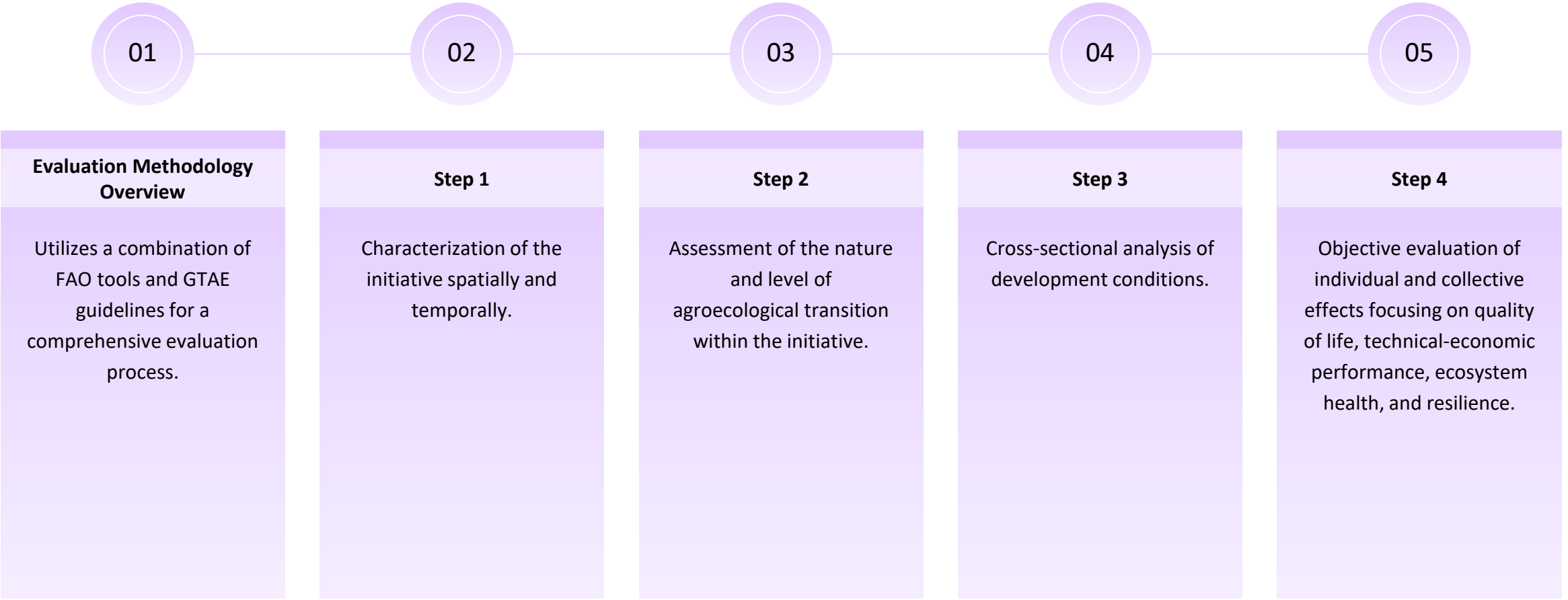
Foster a community of eco-conscious businesses.

Showcasing Successful Models

Highlight case studies of successful engagement.

Demonstrate tangible benefits and outcomes.

6. Evaluation Methodology Overview



Comparative Analysis: Initiatives 1 vs. 2

Initiative 1: Olive Oil Production

- Porteur: Coopérative Al Mohamédia
- Adhérents: 49
- Superficie: 50ha
- Localisation: CR Skoura – Drâa Tafilelt

Initiative 2: Polyculture-Livestock

- Porteur: Migration et développement
- Bénéficiaires: 145 exploitations
- Superficie: 13 ha
- Localisation: CR Siroua – Drâa Tafilelt, CR Askaouen et Assaïsse – Souss Massa

Four dimensions

1. Techno-economic performance
2. Agroecosystem health
3. Quality of life and well-being
4. Resilience



DIVERSITÉ



PRODUCTION
CONJOINTE ET
PARTAGE DE CONNAIS



SINERGIAS



EFFICIENCE



RECYCLAGE



RÉSILIENCE



VALEURS
HUMAINES
ET SOCIALES



CULTURE ET
TRADITIONS
ALIMENTAIRES



GOUVERNANCE
RESPONSABLE

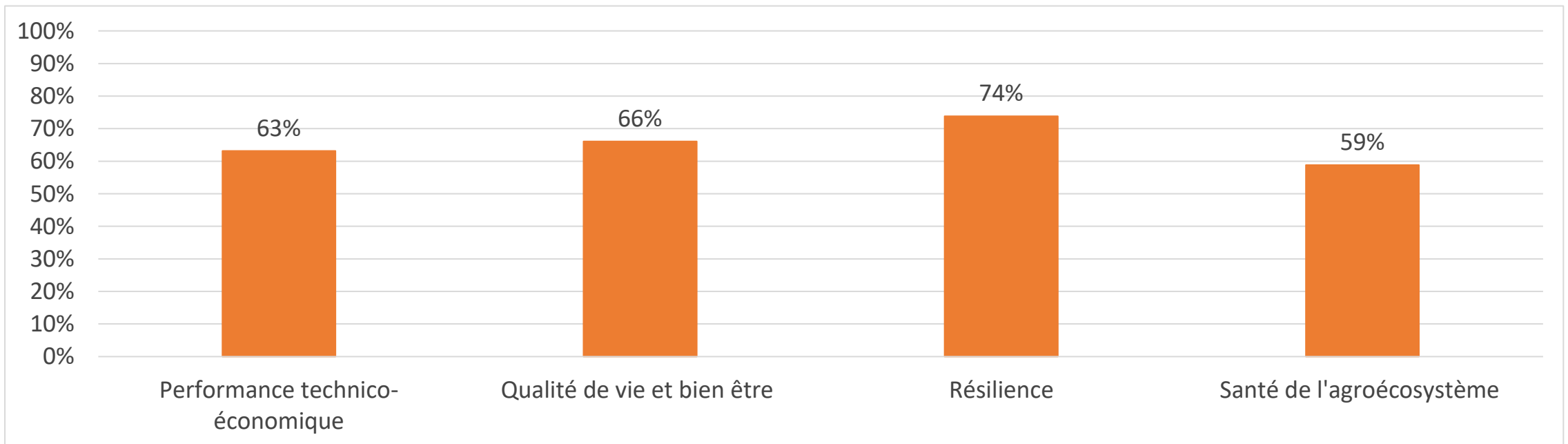


ÉCONOMIE
CIRCULAIRE
ET ÉCONOMIE
SOLIDAIRE

Résultats – Initiative 1

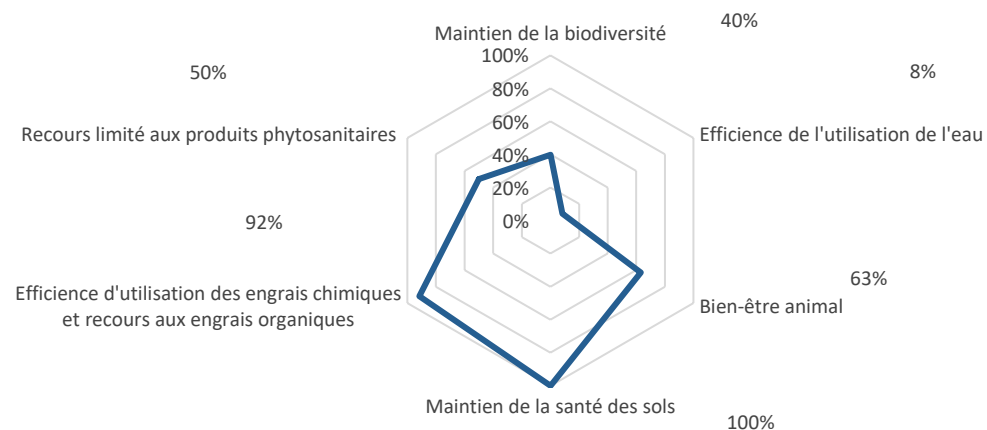


Résultats de l'initiative par dimension

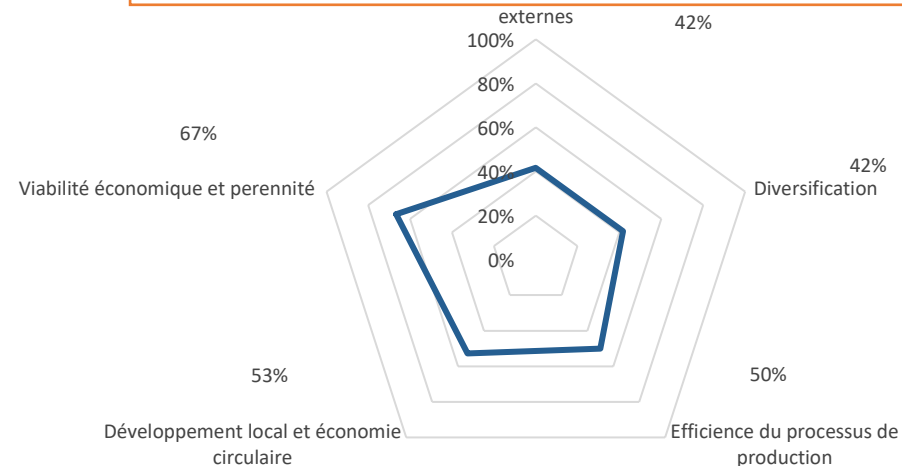


Résultats – Initiative 1

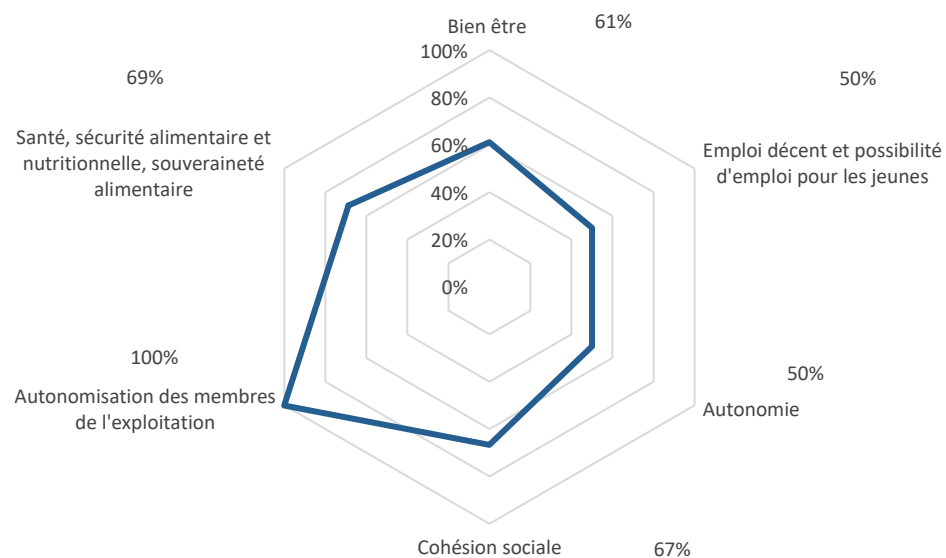
Santé de l'agroécosystème



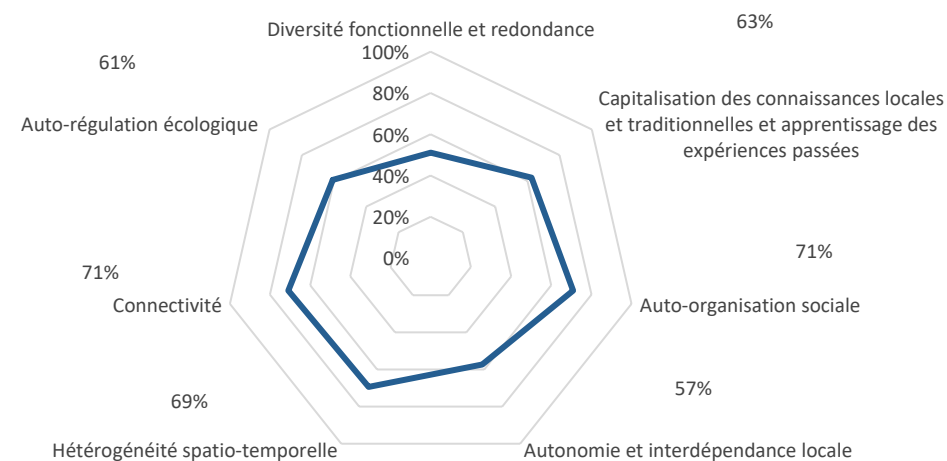
Performance technico-économique



Qualité de vie et bien-être



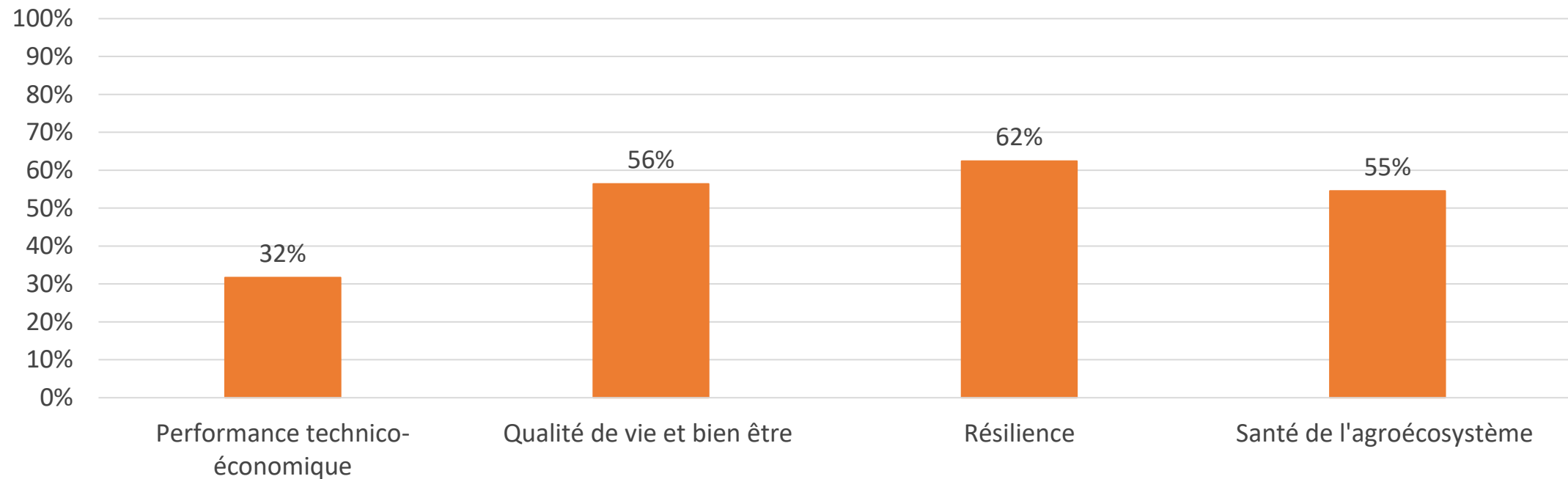
Résilience



Résultats – Initiative 2



Résultats de l'initiative par dimension



7. Conclusion

Importance of Agroecology: A key approach to addressing sustainability challenges, climate resilience, and improving quality of life in Morocco's agricultural sector.

Key Lessons Learned:

Successful integration of agroecological initiatives into national strategies such as **Plan Maroc Vert** and **Génération Green**.

The importance of strengthened collaboration between farmers, private, and public actors.

Perspectives:

Access to adapted seeds to promote biodiversity.

Training and innovation to support the agroecological transition.

Adapt and simplify evaluation methods of initiatives for better understanding and ownership by local actors.

Strengthening short supply chains and local marketing to support the commercialization of agroecological products.

Next Steps:

Encourage public policies that support agroecology.

Promote private sector engagement and consumer education on the benefits of this approach.