Community Driven Policies for Sustainable Agriculture

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At the global scale, sustainable agriculture is increasingly recognized as essential for addressing pressing environmental and social challenges. However, while policy frameworks play a critical role in facilitating sustainable agricultural practices, real change must be driven from the ground up — by households, local communities, and farmers themselves. Without active engagement at the community level, even the most well-intentioned policies risk being ineffective or poorly implemented.

Australian agriculture has evolved in response to climate, water availability, soil type, and market demands. Livestock grazing dominates most regions; while cropping and horticulture are concentrated in coastal areas. The sector is a cornerstone of the national economy, accounting for 55% of land use (excluding timber), 74% of water consumption, 13.6% of goods and services exports, and 2.2% of employment (Department of Agriculture, Fisheries and Forestry [DAFF], 2023). However, agriculture is also a major contributor to global environmental degradation, responsible for approximately 50% of global land use, 73% of deforestation, 70% of water consumption, and 34% of greenhouse gas emissions (Organisation for Economic Co-operation and Development [OECD], 2023). Given its scale, the sustainable management of Australian agriculture is essential not only for farm businesses but also for public well-being.

Many Australian farmers have already integrated sustainable land management practices, such as minimal tillage, stubble retention, and reduced reliance on synthetic inputs. Livestock producers increasingly employ rotational and cell grazing to maintain long-term groundcover (Coelli, 2021; DAFF, 2023). These on-farm strategies demonstrate that sustainability is achievable, but policy must support and expand these efforts at the household and community level to ensure widespread adoption.

The concept of organic and regenerative agriculture has evolved over the past 80 years, gaining significant traction in Europe since the mid-1980s. National initiatives in Denmark, Austria, and Switzerland, along with EUwide policies such as the Extensification Programme (Commission Regulation (EEC) No. 4115/88), have driven the sector's growth (Stolze & Lampkin, 2009). In contrast, while Australia has the largest certified organic land area globally, its policy framework has historically neglected the sector, and recent regulatory shifts have introduced additional barriers (Wheeler, 2011). A key takeaway from Europe's success is the role of consumer engagement and local participation in shaping sustainable agricultural policies. This model underscores the need for Australian policymakers to integrate community-driven initiatives in shaping agricultural transitions.

Historically, industrialized farming has prioritized efficiency and export-oriented production, often at the expense of environmental resilience. The widespread use of synthetic fertilizers and pesticides has led to soil degradation, biodiversity loss, and water contamination, while fossil fuel dependency has exacerbated climate change (Alexanderson et al., 2024). While government-led initiatives seek to address these issues, the most effective solutions arise when local communities, farmers, and households actively participate in shaping and implementing sustainability measures.

Community-led agricultural initiatives, such as landcare and catchment management groups, exemplify the power of grassroots action in bridging policy directives and practical implementation. These collaborative efforts ensure solutions are tailored to local needs and conditions while empowering households, schools, and community groups to contribute meaningfully (Sriskandarajah & Dignam, 1992). Engaging young people in sustainability-focused education fosters long-term awareness and proactive environmental stewardship, reinforcing a policy landscape that aligns with community priorities.

Australia's major agricultural industries have acknowledged sustainability trends, with frameworks such as the Australian Beef Sustainability Framework and the Australian Agriculture Sustainability Framework (AASF). However, fragmented sustainability reporting criteria across markets threaten to hinder trade and market access (World Economic Forum [WEF], 2023; DAFF, 2023). Despite efforts to promote sustainable agriculture through governance frameworks, there remains a significant disconnect between policy and on-the-ground realities. Recent surveys reveal that 73% of Australian farmers perceive government policies as detrimental to the

industry, up from 54% the previous year. Additionally, 80% believe policymakers fail to understand or listen to farmers, highlighting the need for stronger consultation and localized policy integration (Reuters, 2024).

At the international level, Australia has endorsed the Emirates Declaration on Sustainable Agriculture, Resilient Food Systems, and Climate Action at COP28, aligning with commitments to integrate climate resilience into agricultural practices (Department of Climate Change, Energy, the Environment and Water [DCCEEW], 2023). Additionally, growing demand for sustainability credentials in global food systems is driving shifts in policy and market regulations (KPMG, 2022; WEF, 2023). The EU's Carbon Border Adjustment Mechanism (CBAM) is setting new benchmarks for emissions-intensive imports, prompting other governments, including Australia, to explore mandatory climate risk reporting for businesses (Climate Change Authority [CCA], 2022; WEF, 2023; DAFF, 2023).

A significant barrier to sustainability is the persistence of global agricultural subsidies and tariffs, which distort trade and hinder productivity. Approximately $630 billion is annually allocated to such support, exacerbating environmental inefficiencies and food waste (OECD, 2023; DAFF, 2023). Redirecting these funds toward sustainable agricultural transitions would improve productivity, enhance food security, and reduce emissions (Fell et al., 2022; Cao et al., 2023).

A critical challenge in policy development is that organic and regenerative agriculture should not be dictated solely by government intervention. These practices have been shaped by producers and consumers since the early 20th century and have thrived through specialist markets since the 1970s. Increasing corporate and governmental control risks undermining the community-driven essence of these movements. Policymakers must recognize and respect the role of households, farmers, and local initiatives in shaping sustainable agriculture (Stolze & Lampkin, 2009).

Janker and Rist (2018) emphasize that the discourse on sustainable agriculture often neglects the social dimension, particularly the role of people in driving agricultural transformation. Despite its resurgence on the international political agenda, there remains a gap in addressing how sustainability can be implemented at the grassroots level. Policies must integrate the social and economic conditions of farming communities to foster meaningful change. A more comprehensive and systematic approach to sustainability policy is needed, incorporating local measures within a broader framework of agricultural resilience.

Recommendations:

1. **Strengthen Community Engagement:** Policies should be developed through active consultation with farmers, local communities, and schools to ensure they address practical challenges and leverage local knowledge.
2. **Support Grassroots Initiatives:** Funding and encouraging community-led programs, such as landcare groups, urban agriculture projects, and school garden initiatives, can promote region-specific sustainable practices.
3. **Enhance Education and Training:** Expanding school-based programs and providing training for farmers and young people on sustainable methods can facilitate widespread adoption of environmentally friendly practices.
4. **Implement Incentive Structures:** Offering financial incentives, such as tax breaks, grants, and subsidies, can encourage households and small-scale farmers to transition to sustainable technologies and practices.
5. **Foster Collaborative Research:** Promoting partnerships between researchers, extension workers, farmers, and educators can generate innovative solutions tailored to local contexts.

6. **Integrate Sustainability into School Curricula:** Expanding agricultural and environmental education in schools will ensure future generations are equipped to contribute to sustainable farming and policy development.

By embedding these recommendations into policy frameworks, Australia can foster a more holistic agricultural strategy that prioritizes household and community integration. Recognizing that sustainability is fundamentally a social issue, policymakers must shift their focus from top-down regulations to locally driven solutions that empower those at the heart of agriculture.

References

Alexanderson, M. S., Luke, H., & Lloyd, D. J. (2024). Regenerative agriculture in Australia: The changing face of farming. *Frontiers in Sustainable Food Systems, 8*. Frontiers. https://doi.org/10.3389/fsufs.2024.1402849

Cao, L. Y., Burns, K., & Greenville, J. (2023). *Reforming agricultural markets to support emissions reductions*. Australian Bureau of Agricultural and Resource Economics and Sciences. https://doi.org/10.25814/zjg3-0b14

Climate Change Authority. (2022). *First annual progress report: The baseline, global context and methodology*. Climate Change Authority.

Clune, T. (2020). Conceptualising policy for sustainable agriculture development. *Australian Journal of Public Administration, 80*(3). https://doi.org/10.1111/1467-8500.12436

Coelli, R. (2021). *Natural resource management and drought resilience – Survey of farm practices*. ABARES Research Report 21.12. Canberra. https://doi.org/10.25814/99n0-7q92

Department of Climate Change, Energy, the Environment and Water. (2023). *Australia endorses sustainable agriculture on the world stage*. https://www.dcceew.gov.au/about/news/australia-endorses-sustainableagriculture-world-stage

Fell, J., Liangyue, C., Burns, K., & Greenville, J. (2022). *Emissions, agricultural support and food security*. ABARES Insights (6). Canberra. https://doi.org/10.25814/r6ep-9f06

Janker, J., Mann, S., & Rist, S. (2018). What is sustainable agriculture? Critical analysis of the international political discourse. *Sustainability, 10*(12), 4707. MDPI. https://doi.org/10.3390/su10124707

KPMG. (2022). *The time is now: The Australian Agricultural Sustainability Framework (AASF) and its role in sustainable supply chains*.

National Farmers' Federation. (2023). *Australian Agricultural Sustainability Framework*. https://nff.org.au/programs/australian-agricultural-sustainability-framework

Organisation for Economic Co-operation and Development. (2023). *Agricultural policy monitoring and evaluation 2023*. OECD.

Organisation for Economic Co-operation and Development. (2023). *OECD Global Forum on Agriculture*. OECD.

Reuters. (2024). *Australian farmers increasingly concerned about government policy; poll finds*. https://www.reuters.com/markets/australian-farmers-increasingly-concerned-about-government-policy-pollfinds-2024-08-21

Snapshot of Australian Agriculture 2023. (2023). *Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES)*. https://www.agriculture.gov.au/abares/products/insights/snapshot-of-australianagriculture#daff-page-main

Sriskandarajah, N., & Dignam, D. (1992). The quest for sustainable agriculture: The current position in Australia. *Agriculture, Ecosystems & Environment, 39*(1–2), 85–100. ScienceDirect. https://doi.org/10.1016/01678809(92)90206-q

Stolze, M., & Lampkin, N. (2009). Policy for organic farming: Rationale and concepts. *Food Policy, 34*(3), 237–244. ScienceDirect. https://doi.org/10.1016/j.foodpol.2009.03.005

World Economic Forum. (2023). *Emissions measurement in supply chains: Business realities and challenges*.

Wheeler, S. (2011). Review of organic farming policy in Australia: Time to wipe the slate clean? *Journal of Sustainable Agriculture, 35*(8), 885–913. Taylor & Francis Online. https://doi.org/10.1080/10440046.2011.604119

Williams, J., Alter, T., & Shrivastava, P. (2018). Systemic governance of sustainable agriculture: Implementing sustainable development goals and climate-friendly farming. *Outlook on Agriculture, 47*(3), 192–195. Sage Journals. https://doi.org/10.1177/0030727018795907