

RESEARCH PORTFOLIO



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WHO WE ARE

Omeva Consulting is an applied research and innovation consultancy working in the fields of climate resilience, sustainable agriculture, digital transformation, and inclusive development in the Global South. We collaborate with universities, research institutions, government bodies, private sector actors, and community-based organizations to generate practice-oriented evidence that informs policy, programme design, and innovation processes.



Within research consortia, Omeva typically serves as an applied research and implementation partner, complementing academic leadership with contextual expertise, field-based research execution, market uptake and stakeholder engagement.

RESEARCH PHILOSOPHY AND APPROACH

We approach research as an applied, systems-oriented process designed to generate evidence that informs decision-making and policy and drive innovation.

Our work is grounded in real-world contexts and embedded within ongoing programmes, enabling us to examine how technologies, skills, institutions, and markets interact to shape adoption, performance, and scale particularly within agriculture, climate and energy-related sectors.

CORE RESEARCH FRAMEWORK



Core Research & Knowledge Transfer features:

1. Mixed-methods research, combining baseline surveys, focus group discussions, key informant interviews, and quantitative data analysis.
2. Participatory methods, engaging stakeholders including farmers, women entrepreneurs, youth, and local institutions from the earliest stages of research design.
3. Systems and ecosystem analysis, examining the interaction between technology, finance, regulation, service provision, and sociocultural norms.
4. Iterative learning, where findings are continuously validated with stakeholders and used to refine assumptions and intervention strategies.



APPLIED RESEARCH EXPERIENCE

Our case-based learning approach is grounded in sustained fieldwork, systematic data collection, and structured stakeholder engagement and coordination across implementation contexts. The selected projects below demonstrate how Omeva generates practice-based evidence to inform innovation pathways and technology adoption.

1. Evaluation of Spray-Dried Digestate Fertilisers for Lettuce Production



CLIENT: Botanega, Cleobury PM, Innovate UK

DURATION: August 2025 – Ongoing

- Designed and implemented controlled crop trials to evaluate innovative digestate-based bio fertilisers.
- Compared bio-based fertiliser formulations against conventional fertiliser treatments to assess crop growth and performance.
- Conducted soil, plant, and crop quality analyses to evaluate nutrient use efficiency and product effectiveness.
- Generated evidence to support product optimisation, commercialisation pathways, and adoption of circular bioeconomy technologies in agriculture

2. Enhancing Community Adaptation Through Climate-Resilient Agriculture Encroacher Bushes Value Chains Initiative in Otjozondjupa Region Namibia



CLIENT: University of Namibia

DURATION: February 2022 - December 2024

- Conducted baseline surveys in 50+ villages on livelihoods, forest use, and livestock value chains to inform targeted interventions.
- Developed tailored manuals and brochures to support bush value addition and sustainable forest utilisation.
- Produced a documentary and interview series showcasing sustainable forest management and the economic potential of encroacher bush value chains.

3. Harvesting Resilience: Understanding Early Warning System Communications to Inform Anticipatory Action and Enhance Food Security in the Horn of Africa.



CLIENT: Food and Agriculture Organisation (FAO), Jameel Observatory, Data for Children Collaborative

DURATION: March 2024 - May 2025

- Omeva Consulting led the desktop review, laying the foundation for engagement with target communities and the ongoing country reports.
- Across other work packages, the team brought extensive expertise in data analysis, agri-tech, rangeland management, and drought resilience, informed by years of experience in Namibia, one of Sub-Saharan Africa's driest regions.

4. Namibia: A New and Open Dataset for Rangeland and Pasture Management.



CLIENT: Farm4Trade Namibia

DURATION: December 2022 - December 2024

- Coordinated fieldwork, stakeholder engagement, and technical support to ensure usable, high-quality data.
- Enabled quarterly georeferenced data collection across 20 livestock-producing sites in Namibia.
- Digitised field forms and applied UX expertise to create a FAIR-compliant open dataset.
- Led co-design workshops and supported inclusive participation of farmers, students, and local experts.
- Authored a comprehensive user manual to support data use.
- Delivered the Lacuna Dataset on Kaggle to support rangeland monitoring

5. Product Development: Plant-based additives for the livestock sector



CLIENT: Botanega, UKRI, Aberystwyth University

DURATION: December 2024 - December 2025

- Led and contributed to two successive R&D projects developing plant-derived feed additives for the livestock sector.
- Evaluated the antimethanogenic and antimicrobial properties of plant phenolics to support sustainable livestock production and future commercialisation.
- Collaborated with research and industry partners to advance innovative plant-based biosolutions.
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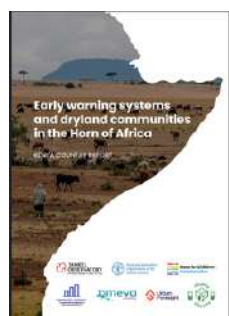
RESEARCH OUTPUTS AND PUBLICATIONS



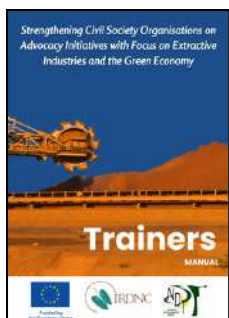
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4. Bitrus-David, N., de la Puerta Fernandez, M.L. & Zongwe, L.R. (2025). Strengthening Civil Society Organisations on Advocacy Initiatives with Focus on Extractive Industries and the Green Economy: Trainers' Manual. Windhoek: Namibia Development Trust (NDT) and Integrated Rural Development and Nature Conservation (IRDNC).



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6. de la Puerta, M. L., Athingo, H., Gewers, D., Pettinella, S. D., Van der Waal, C., Routhage, A., Nakapipi, T., & Bitrus-David, N. (2024). Namibia: A New and Open Dataset for Rangeland and Pasture Management. Dataset User Manual. Farm4trade Namibia. Available at [<https://www.kaggle.com/datasets/farm4tradesrl/lacuna>].

KEY PROJECTS & EXPERIENCE

1 Biofertilizer production | SENORA

Country: Wales, UK

SENORA is an Innovate UK-funded project focused on the development of circular biofertiliser products through the valorisation of anaerobic digestate and agricultural by-products. The project includes product formulation and processing, greenhouse validation trials, assessment of crop growth and quality parameters, nutrient dynamics and analytical evaluations, with the aim of supporting nutrient recycling and developing sustainable alternatives for agricultural and horticultural production.



Our Role

- Supporting the development and optimisation of circular biofertiliser products based on anaerobic digestate and agricultural by-products.
- Leading experimental design, greenhouse trials and product validation activities to assess crop performance and nutrient dynamics.
- Conducting analytical assessments and interpretation of results to support product refinement.
- Supporting regulatory reviews and requirements related to product development and market readiness.
- Contributing to the preparation of technical documentation, product information leaflets and dissemination materials.
- Collaborating with private sector partners and multidisciplinary teams to support commercialisation and market uptake.



Country: Namibia

This RUFORUM-funded project aimed to promote bush-based value chains as climate adaptation and livelihood strategies in Namibia by transforming encroacher bush biomass into value-added products. The initiative focused on increasing awareness, supporting knowledge transfer, and demonstrating the technical and commercial potential of innovations such as bush-to-feed production and other sustainable bush-derived products for rural communities.

**Our Role**

- Supported stakeholder engagement and knowledge exchange activities involving farmers, communities and project partners.
- Contributed to the promotion and communication of bush-based products to support awareness, adoption and future commercialisation.
- Developed educational videos, documentaries, interviews, and printed and digital communication materials to translate technical concepts into practical information.
- Produced communication resources adapted to rural and low-connectivity contexts to improve accessibility and uptake.



Promotional trailer



Documentary



Brochures & step-by-step manuals

Interview-based videos featuring community members, students, and researchers



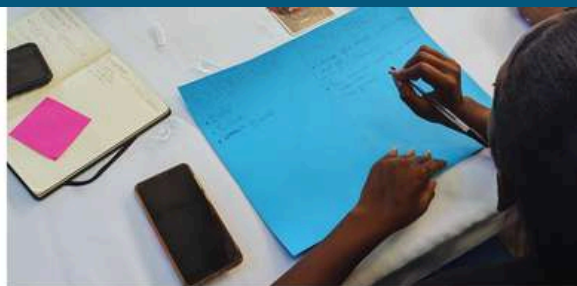
3 Namibia Rangeland and Pasture Dataset | Lacuna Fund

Country: Namibia

In this project, our team led the digitalisation and development of the Namibian Rangeland and Pasture Dataset, including data labelling, cleaning, validation, structuring, and online publication on Kaggle. We also produced a concise, visually coherent end-user manual to support practical application of the dataset in rangeland assessment and management.



Participatory co-design workshops and interviews were a central component of this project. Our team facilitated participatory workshops at both the beginning and the end of the project, ensuring inclusive engagement of farmers, students, and local experts throughout. These workshops informed project design, validated outputs, and strengthened local ownership and uptake.



4 Policy Dialogue on Animal Feed | AECID, ENABEL, LUXDEV, ARAA

Country: Nigeria

We participated in the high-level regional policy dialogue on the development of the animal feed industry in West Africa and the Sahel. In this role, we supported the synthesis of regional multi-stakeholder discussions, structured key insights, and translated technical exchanges into clear, actionable knowledge for policy learning and follow-up.



5 Women Transform Rangelands Hackathon | Embassy of Spain in Nigeria, AECID/ECOWAS

Country: Nigeria

Fostering international collaboration between Nigeria, Namibia, and Spain, our team designed and implemented the **Women Transform Rangelands Hackathon** to increase visibility, uptake, and applied use of the Namibia Rangeland and Pasture Dataset. The programme was delivered as a capacity-building and policy innovation initiative built around the theme *“Harnessing data to drive policy action in the livestock sector.”*



Through focused webinars, participatory workshops, hands-on mentorship, and structured training sessions, women-led teams worked directly with the dataset to address real policy challenges demonstrating the value of data-informed decision-making.

6 Spain-Zimbabwe One Health Dialogue

Country: Zimbabwe

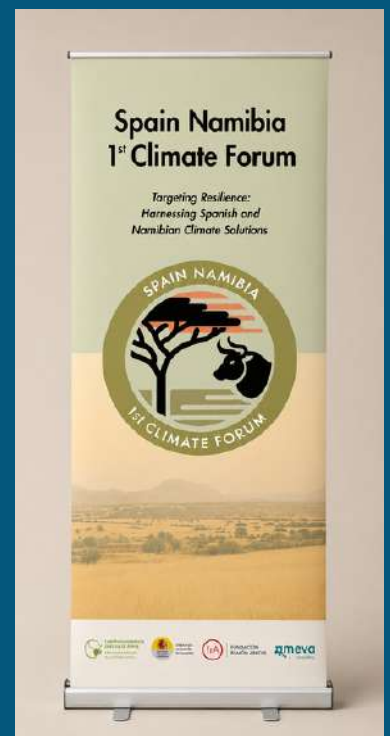
Omeva Consulting organised the One Health Dialogue Panel in Zimbabwe with the Spanish Embassy, AECID, WHO Zimbabwe, and ACESDA. The panel brought together senior officials, researchers, and stakeholders to advance multi-sectoral policy dialogue, strengthen resilience across human, animal, and environmental health, and promote scientific diplomacy between Spain and Zimbabwe.



7 Scientific Conferences on Climate Change in Southern Africa

Country: Angola and Namibia

Our team designed and delivered high-level policy workshops and scientific conferences in Angola and Namibia, bringing together government representatives, diplomatic missions, research institutions and development partners to foster dialogue, knowledge exchange and international cooperation. Discussions covered climate resilience, sustainable agriculture, One Health, research and innovation, science diplomacy, and strengthening the science-policy interface across Southern Africa.



KEY TEAM MEMBERS

Our R&D team bridges research, innovation and practice, working closely with academic institutions, SMEs and stakeholders to transform scientific knowledge into practical solutions. Through collaborative and context-specific approaches, we support product development, validation, commercialisation pathways and knowledge transfer, ensuring innovations are relevant, accessible and responsive to local needs.



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PROJECT MANAGER & LEAD RESEARCHER



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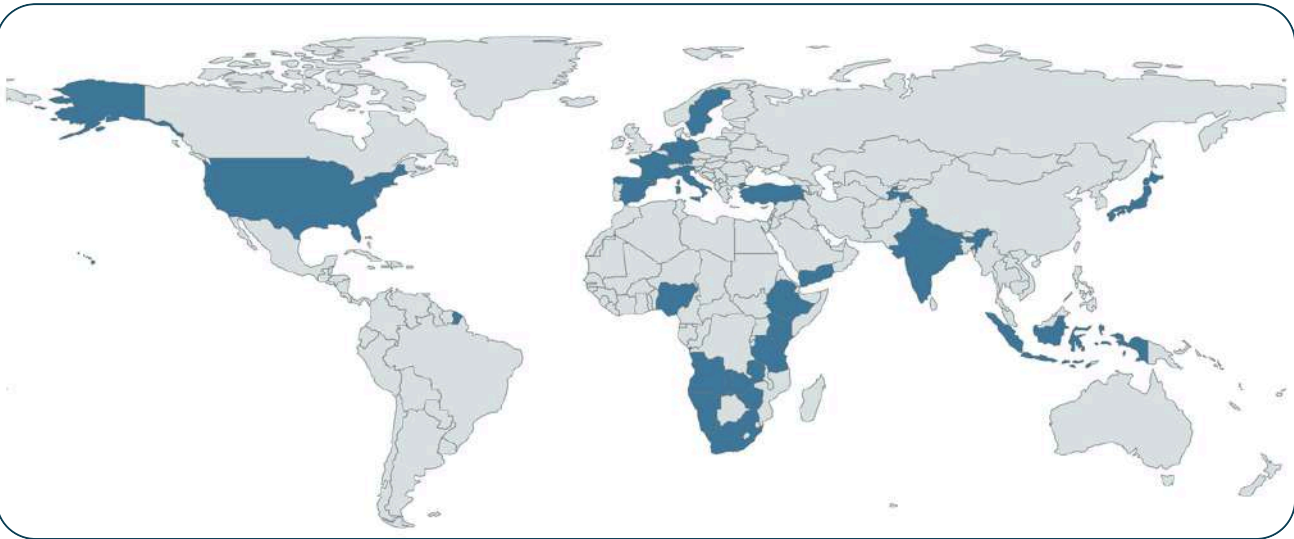


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BUSINESS DEVELOPER & TECHNICAL PARTNERSHIPS



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R&D LEAD

COMPANY FOOTPRINTS



COLLABORATION WITH RESEARCH INSTITUTIONS

Omeva Consulting has a demonstrated track record of collaboration with reputable research institutions, strengthening the relevance and applicability of research findings in real-world settings.

In research partnerships, we typically contribute:

- Applied research design and field implementation
- Stakeholder engagement and facilitation
- Contextual analysis and synthesis
- Translation of findings into policy- and practice-relevant outputs
- Communications and output dissemination



KEY CONTACT DETAILS

We look forward to the opportunity to collaborate and contribute to your project goals.

For further discussion, please contact us at info@omevaconsulting.com.



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