



# LOFODA G-Meal presentation at The Horn of Africa and Sahel Virtual Knowledge Share Fair

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# About Prolinnova Kenya (PK)

- ▶ Prolinnova-PRoMoting Local INNOVAtion (**in ecologically-oriented agriculture and NRM**) is network of a community of practice that **understands, respects** and recognizes invaluable contributions of small-scale farmers in keeping the world fed and healthy.
- ▶ PK forms a Multistakeholder Platform of Governmental and Non-governmental organizations, research and extension institutions, CBOs and FBOs. (**Initiated in 2007**)
- ▶ Promotes local innovations of small-scale farmers to support sustainable agriculture and healthy food for all.
- ▶ Focuses on the creativity and ingenuity of farmers and supporting their innovations.
- ▶ Recognizes farmers as co-creators of knowledge; not just as recipients.
- ▶ Facilitates learning and promotion of farmer-led innovation development.
- ▶ It uses Local Innovations as entry point for a research (**Participatory Innovation Development**).

## Background of the innovation

- ▶ LOFODA-G-Meal: Locally Formulated Dairy Goat Meal.
- ▶ It is a Local Innovation by Joe Ouko, a small-scale farmer in Nyakach Sub-County of Kisumu County-Western Kenya.
- ▶ The meal is formulated using locally available fodder(plant) materials, herbs and mineral salts. These are chopped, shade-dried and grinded separately.
- ▶ The ingredients are then mixed in a given ratio to ensure all necessary nutrients are present.



## Aim(s) and journey of the innovation

- ▶ To promote dairy goat farming.
- ▶ Make dairy goat farming a viable and sustainable enterprise for the improvement of FaNS.
- ▶ Build community resilience to climate change shocks (**Nyakach and most parts of Kisumu are generally dry**).
- ▶ Provide a solution to deforestation, FaN insecurity and vulnerability to effects of climate change.
- ▶ Provide a solution to animosity among community (**Scramble for unlimited feeds**).

# Methodology involved

- ▶ The innovation was identified by ProInnova Kenya in 2009
- ▶ Through PK's Multistakeholder partnership, the innovator's capacity on Local Innovation and Participatory Innovation Development was strengthened.
- ▶ This was to ensure an evidence-based farmer experimentation thus taking the innovation through several cycles of farmer experimentation.
- ▶ Working with PK, the innovator thereafter improved the innovation through Participatory Innovation Development (PID). This gave more evidence-based results.
- ▶ **(PID- a process that involves scouting for innovations and use them in a joint research led by the innovator himself/herself)**
- ▶ Mainstreaming gender issues in the whole process of PID.
- ▶ Participatory Monitoring and Evaluation done (MSP).





## Outcomes and impacts.

- ▶ The innovation's end product has been improved from raw fodder substrates to pellets and powdered meals.
- ▶ It has attracted partnership from other stakeholders e.g. **Pelum Kenya, National Environment Trust Fund, Jomo Kenyatta University of Agricultural Technology, ICIPE among others**
- ▶ Through the partnership, KALRO facilitated the Scientific analysis of LOFODA-G-Mela to establish the active ingredients in it.
- ▶ Mass commercialization has prompted for the application to Kenya Bureau of Standards (KEBS) for certification.
- ▶ Gender mainstreaming has promoted the involvement of youth and women in its formulation, harvesting and marketing.



# Outcomes and impacts cont'd...

- ▶ Milk production and income increased- Innovators' income increased through milk and does sale (1 Ltr and a 6 months doe appro. 1 USD and 130 USD respectively).
- ▶ Food diversity and value addition- Women currently develop many new recipes using goat milk. Families are consuming more goat milk products (smoothies, curd) in their daily diets.
- ▶ Enhanced resource use efficiency thus increasing community's adaptability to climate change
- ▶ Promoted dairy goat farming. Goats are general resilience to shocks of climate change. This has sustained community's livelihoods irrespective of the season.
- ▶ Built innovator capacity- It has exposed the innovator. For instance, he has participated in many fairs and webinars.





## Conclusion

- ▶ The practice uses locally available resources, hence very affordable.
- ▶ It is efficient for both small and large scale dairy goat production.
- ▶ It has shown its efficacy even in drought prone areas hence very replicable in dry areas e.g North Eastern part of Kenya and beyond borders of the republic.
- ▶ PK has promoted its replication in other counties and it is gaining momentum.





## Related Links and Contacts

- ▶ <https://www.prolinnova.net/content/farmer-innovator-joe-ouko-featured-webinar-%E2%80%9Chunger-justice%E2%80%9D>
- ▶ [https://www.youtube.com/watch?v=-jpT\\_ZbZGg4&t=7s](https://www.youtube.com/watch?v=-jpT_ZbZGg4&t=7s)
- ▶ <https://youtu.be/F797vyJTxqs> (to be played in this session)

### Contacts

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**THANK YOU**

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