



Water for Food Security Jean-Michel Arnoult

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IWRM Projects

- 1. Water-wise Food Gardens Doringbaai
- 2. Lamatzicare Food Gardens Vanrhynsdorp
- 3. Vukani Makhosikhazi Lamberstsbaai
- 4. Big Roof Rainwater Harvesting Bitterfontein







Water-wise Food Garden - Doringbaai

Doringbaai Matzikama

Vision: To improve the level of food security for the community of Doringbaai.

Mission:

- To secure enough food through integrated food security initiatives.
- Empower beneficiaries through capacity building & training.
- Save water through water-wise gardening.



Collapse of the West Coast fishing industry resulted in large scale unemployment











Project Objectives

- Identify 25 households for food gardens
- Facilitate training of participants
- Create water awareness
- Deploy trainees to household food gardens
- Produce organic vegetables
- Supply vegetables to school feeding scheme, aged homes & soup kitchen
- Income through sale of herbs & vegetables
- Facilitate access to land and water for the emerging farmer group
- Mentor and train 15 emerging farmers













Long Term Goal

To create **sustainable** employment opportunities developing small businesses and, creating a welcoming and safe environment for tourism, while promoting the project and Doringbaai.

Conclusion

Our project will **succeed** together with the assistance from stakeholders and roleplayers.







Questions





Lamatzicare – Womens Food Gardens

Vanrhynsdorp Matzikama Background:

- Established in 2004 by six local women
- Assisted by SPP, Departments of Social Services, Agriculture, Water Affairs & Forestry (IWRM I), Matzikama Municipality, Multi-purpose Centre & local businesses
- Capacity built through workshops & training
- Now have access to 1ha of municipal commonage & sufficient water to farm vegetables
- Fencing & water-wise drip irrigation













Vision: Economic & social upliftment of women

Mission:

- Promote financial sustainability of the project & members
- Facilitate access to & ownership of land
- Facilitate skills training for members
- Facilitate the sustainable use of land & water
- Assist members to market their products
- Promote networking with similar groups





Project Objectives

- Establish 1 ha vegetable garden to provide members with fresh vegetables
- Supply surplus vegetables to home for the aged, local orphanage & families affected and infected by HIV/AIDS and TB
- Improve livelihoods of members, aged, sick & poor





Long Term Goals

- Become sustainable & self sufficient
- Create employment opportunities
- To access land & water to farm commercially

Thank you for the opportunity allowing us to prove ourselves and help our community







Questions





Vukani Makhosikhazi: the women stand up Lamberts Bay Cederberg Background:

- Collapse of the West Coast fishing industry resulted in wide scale unemployment
- Many people of Lamberts Bay are poor, unemployed or aged, yet surrounded by "wealthy" potato farms
- In 2000 thirty-four women decided to Stand Up & fight the extreme poverty and hunger in Lamberts Bay
- Assisted by the Cederberg Municipality, GARC, Departments of Agriculture, Social Services,
- Labour and Water Affairs & Forestry (IWRM I)













Vision: Empowerment & food security for women

Mission:

- Ensure the sustainability of the project
- Facilitate skills training for members
- Effective use of resources such as land & water
- Facilitate access to & ownership of land
- Improve assurance of water supply





Project objectives

- Establish 2.5ha organic vegetable garden & provide members with fresh produce.
- Supply surplus vegetables to local home for the aged, those affected and infected by HIV/AIDS and TB, schools and soup kitchens.
- Create sustainable employment opportunities





Long Term Goals

- Access additional land & water to farm commercially
- Diversify farming activities
- Ensure financial security for members

Challenges

- Expensive municipal water
- Limited & stressed groundwater resources





Come share in the success that is Vukani Makhosikhazi – we are standing



Questions





BIG ROOF Rainwater Harvesting Bitterfontein

Background:

- Project initiated for women dependant on child support and other social grants
- Bitterfontein unemployment levels of 67%
- Expensive vegetables from Vredendal (125km away)
- Water only available water is desalinated groundwater which is limited supply & expensive







To capture rainwater off the disused Railway shed and use the water to irrigate food gardens













Vision: Eradicate extreme **poverty** in Bitterfontein

Mission

- Empower twenty (20) historically disadvantaged households, women the youth and disabled to manage sustainable food gardens
- Grow vegetables in kitchen garden plots (totaling 3ha in extent)





Project objectives

- Create awareness & train participants.
- Purchase & install rainwater harvesting pipes & tanks on a disused railway shed roof.
- Connect 20 households to rainwater system.
- Install water-wise drip irrigation systems.
- Cultivate seedlings & vegetables.
- Supply vegetables to the aged, sick and needy.





Long Term Goals

- Diversify farming activities.
- Access a further 4ha of land for vegetables.
- Expand rainwater harvesting to other towns.
- Explore other opportunities for income harvesting wind energy.







Questions



