



The Honeybush Knowledge Partnership

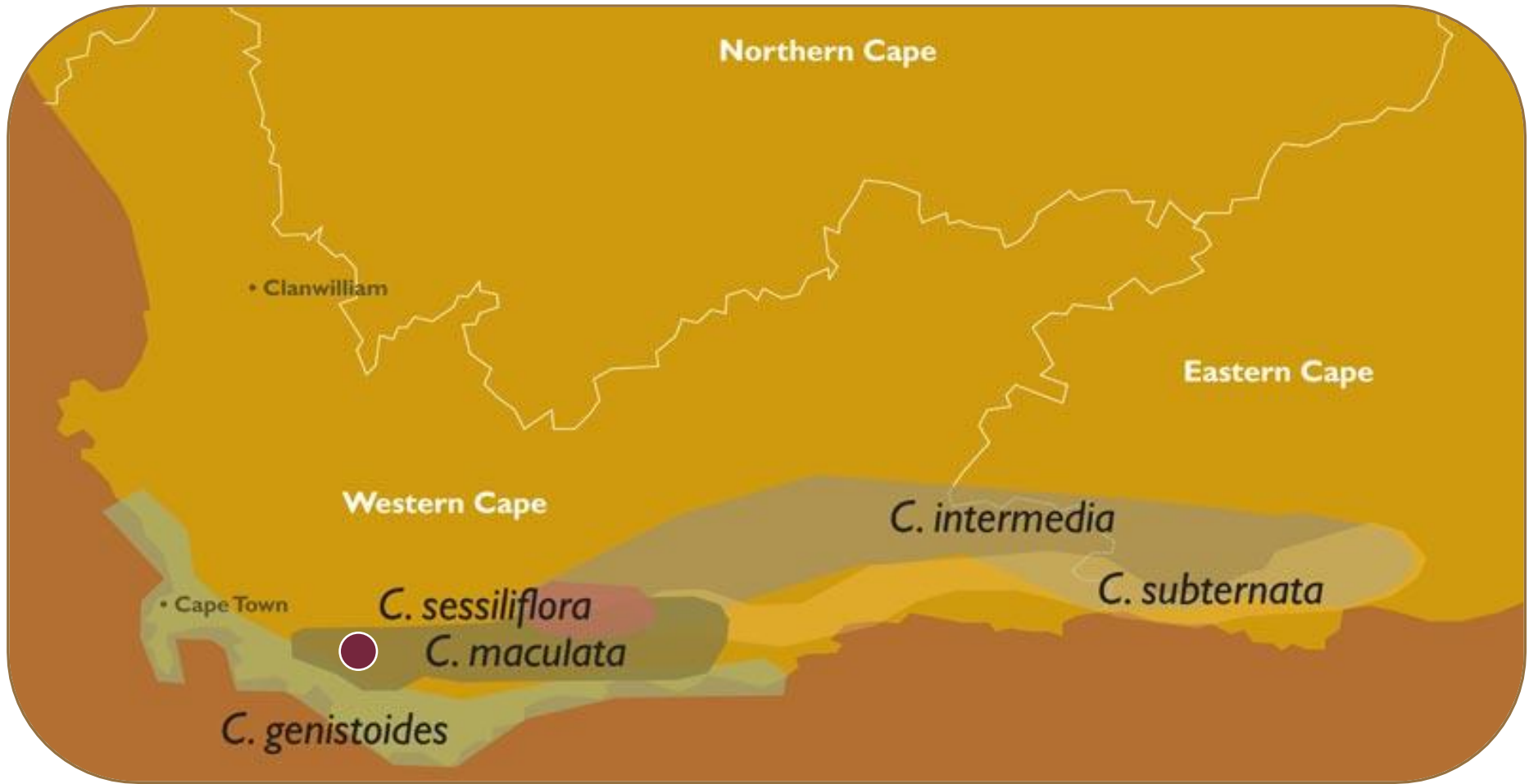


Co-creation of knowledge from farmer-led research

Malgas, R. Jacobs, S., Slabbert, E., Jilisen, B., Rafferty, M., Comley, D., Le Roux, M., and Valentine, A., McCloen, E.



Cyclopia spp. distribution





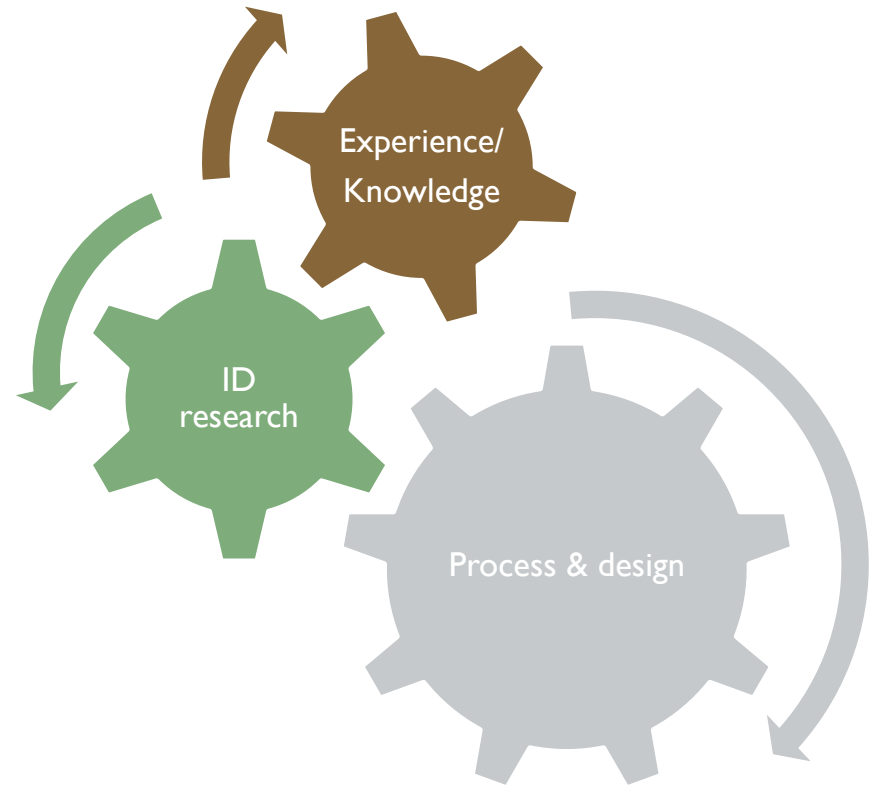
Framing the research approach



Linear scientific enquiry: convention

Finding and starting a
community partnership.
Developing research
questions.
Research design and
the research process.
Managing a CBR
project.

Dynamic, iterative process: reality





Why engage local landusers in participatory research?



- We needed something farmers wanted to offer (knowledge, resources)
- They have existing networks
- It's their land, resource, heritage, etc. we want access to
- They know their situation better than we do
- They are agents of change
- They can get places we can't
- Chances for change are higher when land-users are involved in the research that proves the benefits of that change



Initiating a community knowledge partnership



Initial conversations with farmers through ARC contacts at Genadendal in 2012

Abandoned experiments created opportunity to engage with stakeholders

Formulation of the SU team in 2013

- Colleagues with a known passion and expertise

- May have a feel for rural community and development context

- Experience working together (development of M.Sc. Sustainable Agriculture)

- Keen to combine teaching, research and community engagement in meaningful ways



Wat is Heuningbos?



Cyclopia – Deel van die Fynbos Bioom

Staan ook bekend as:

**(Heuningtee, Bergtee, Boertee, Bossieste
Bostee)**



Kenmerke:

3-delige spits blare

Kenmerkende heuning geur

Geel blommetjies gedurende blom seisoen

Herspruiters OF Nie-herspruiter



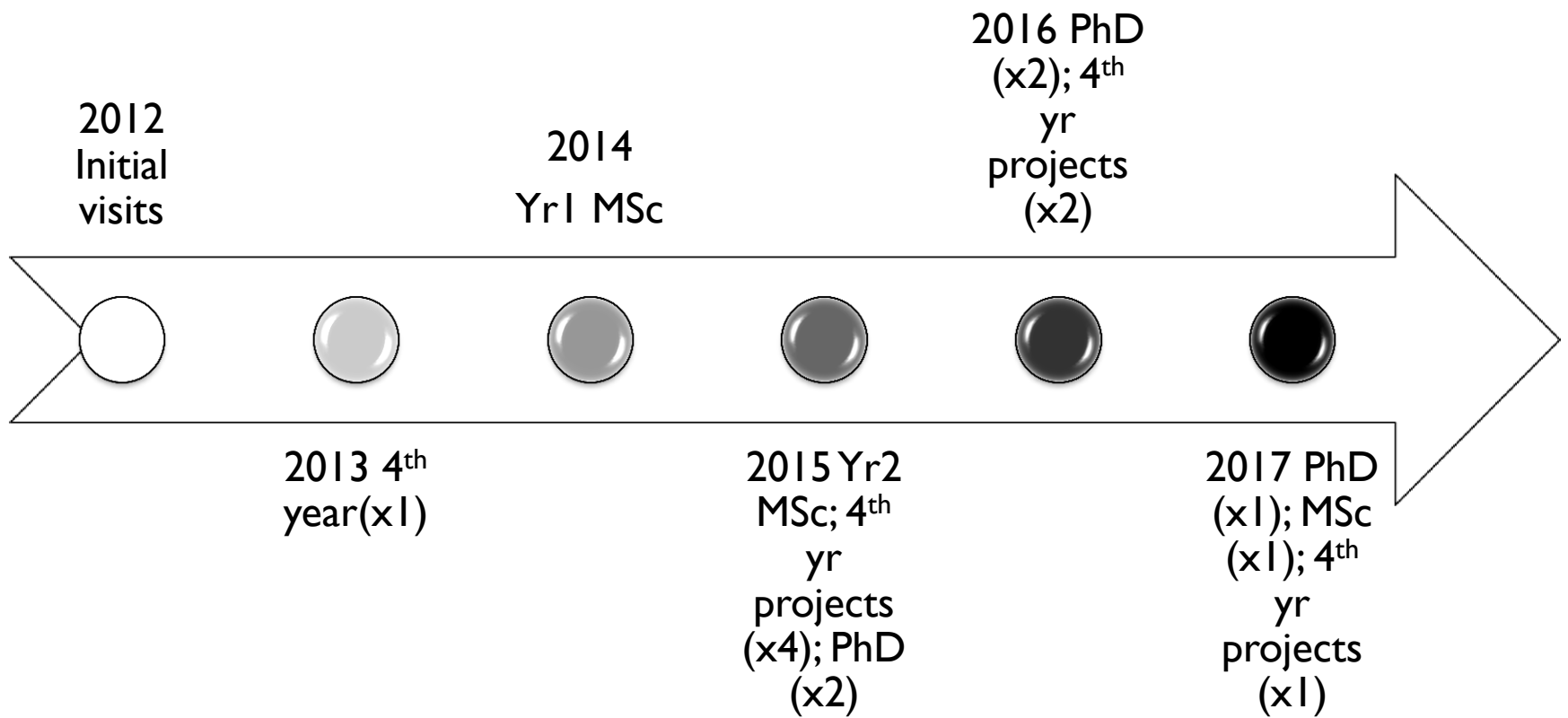
Wat is Heuningbos?



- **200 ton per jaar** word geoes
- **86% natuurlik ; 14 % aangeplant**
- **24 Spesies** landwyd waar net **5 spesies** vir kommersiële en huishoudelike gebruik ge-oes word:

- ***Cyclopia genistoides***
- *Cyclopia subternata*
- ***Cyclopia maculata***
- *Cyclopia sessiliflora*
- *Cyclopia intermedia*







I think the people of that area hold far more knowledge than they realise. It's almost like an archaeological dig... the fragments slowly build a picture. You were right. I don't want to stop!



Resulant research projects



Research topic	Student	Period	Department
Local ecological knowledge, outstations of Genadendal	Comley, D. BSc 4 th yr	2015	ConsEcol
Comparison of seedling success for 7 local soil preparation treatments	Rafferty, M. – BSc 4 th yr	2015	ConsEcol
Taxonomic identification of microbial communities in honeybush rhizosphere	Postma, A. - PhD	2014 - 2016	Microbiology
Sustainable production of rooibos & honeybush amongst SSLU	Malgas, R – PhD	2015-2018	ConsEcol
Insects in association with honeybush in the Overberg	Slabbert, E.- 4 th yr + MSc	2013; 2014- 2016	ConsEcol
Local ecological knowledge and climate change, Genadendal	Jilisen, B., BSc	2015	Van Hall Larenstein, NL/ConsEcol
Bacteria of honeybush in different soils	Zulch, F., BSc(Hons)	2015	BotZoo



A modest research group



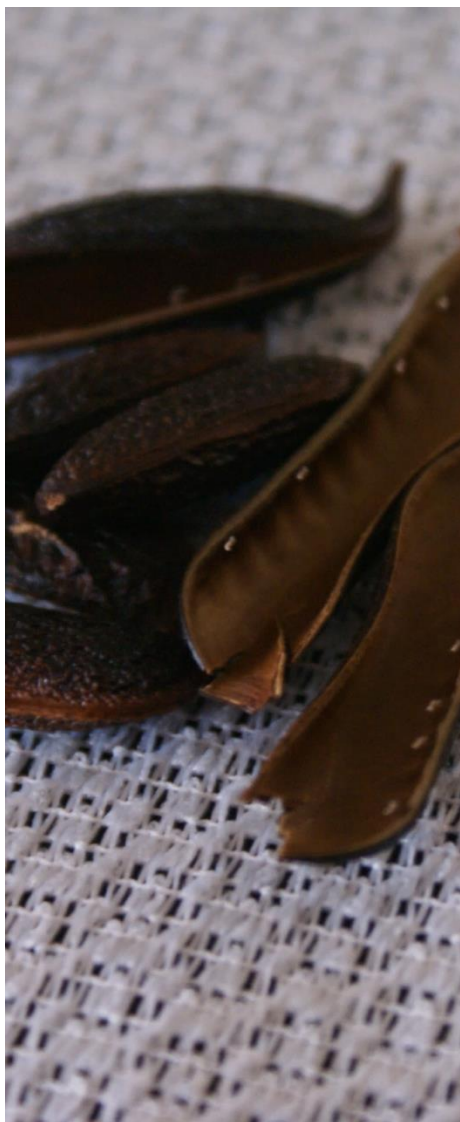


Linking farmer-led with Teaching & Learning





General approach



Inclusion of people at the margins

Inclusion of **local and traditional ecological knowledge**

Iterative feedback of results to land-users,

The **continuation** of research based on farmer's questions and production needs,

Focus on a process of **knowledge co-production** and meaningful partnership



Lessons from challenges



Stay in touch – people really appreciate it.

Listen and work with what is presented:
formulate questions from what people say and do.

Give feedback regularly –via others, via social media, via MMS (photo's), via SMS, by phone

Report back on any informative news – results from trials, market news, results from analyses (as appropriate)

Offer information to a wide audience – e.g. Honeybush Seminar Series in October 2015 in Genadendal

Check the sites, check the data yourself!



Messages from the students...



Involve the community in your research.
This can be achieved by organising feedback sessions. Or ask them to help organise (feedback) meetings or even carry out research (as a guide, or to take notes etc.).

Personally I think it best if there is as little change as possible among researchers working with communities. It takes time to build a relationship. I noticed for example how fond people in Genadendal were of Eleonore and how many of them knew her name.



“Invest time to build a relationship with the community. Visit the place often, show your face, take time for small talk on the street. Show them that you are involved in the community.”



“Do not only gain information, but also provide information and feedback in return and explain your research results.”

- 1) Oopning en verwelkoning
- 2) Doel met ons byeenkoms/program
- 3) My naam is ...
- 4) Terugvoering: ● Eleanore se gaggas
 - a) ● Melandri + Abie se grond eksperiment
 - b) ● Heuningbos en droogte
 - d) ● Veldwerk in die Langkloof
 - f) ● Eerste oes ook in les vir student
 - g) ● Birgit deel haar bevindinge
 - e) ● LNR seminar
- 5) Gaggasprek
- 6) Middageete + slot

Combinati

- The cont polystyrene
- The cont Rhizobium
- The cont polystyrene



Learn to listen and understand their concerns and challenges, their successes and shortcomings. This sets the scene for building a mutual respect and trust based partnership. It is important to realize the value of the experience and knowledge that local communities have – those that have long term experience with a specific topic are the local experts – value their insights.



Keep a humble, respectful approach. Meet and engage with them on their terms. Be open and approachable.





Allow community members to be part of the research process – in establishing research objectives and collection data where possible. E.g. Integrate stake holders into the 'hands on' aspect of the research - site visits, ad hoc sampling

Be aware of the dynamics and interests within the society. For example, I noticed the people of Genadendal are quite religious and refer often to this topic during the interviews. I think they appreciate it if you show respect for and interest in the things they find important in their lives.



Die Heuningbos Kennis Vennootskap
bied aan:

HEUNINGBOSTEE: Ons 2015 studie verslae



UNIVERSITEIT
STELLENBOSCH
UNIVERSITY

U word hartlik uitgenooi: Ken u heuningbostee? Ons deel by dié geleentheid die uitslae van ons navorsing en werksaamhede vir 2015.

Wanneer? Woensdagaand, 25
November 2015

Hoe laat? 19:00 – 21:00

Waar? Hendriensaal, Genadendal
Museum

RSVP en Navrae: Rhoda
0826722750



THE
SKAP





What can we observe together? *Cyclopia maculata*





Heuningbos Kennis Vennootskap

Studie groep maandelikse vergadering – foto verslag

Hesther Dorithea Hostel, Genadendal

Dinsdag 19 Januarie, 2016, 11:00 – 13:30



Teenwoordig

Abie Joorst, Anna Joorst, Ukita (Kita) Joorst, Shaun (Bertie) van Niekerk, Jakoba (Koewa) Moses, Patricia Stevens, Gertrude Olivier (Klein), Debby Comley, Danielle Sterrenberg, Rhoda Malgas

Afwesig

Gert Springfield

Agenda

1. Opening en verwelkoming
2. Terugvoering oor waarnemings by plantjies: Ukita, Bertie.
3. Vergoeding
4. Studente navorsking: vorderings verslag
5. Beplande stappe vir 2016
6. Slot en verversings

Notule

1. Kita en Bertie het die volgende punte aan die vergadering terug gevoer:

Daar is 10 plantjies weg by die Joorst-tuin. Plantjies is of verwyder, of is dood. Na gesprek met Abie en Anna Joorst is dit aanvaar dat geen plantjies verwyder is njie, en dat plantjies wel dood is. Dit word so aangeteken.

Dit is moelik om rekord te hou van plantjies se mate van maand tot maand waar daar nommer is njie. Dit was a fout om die plantjies njie onmiddelik toe hulle geplant is, te genommer het njie. Rhoda verduidelik dat sy nerens meer wit plastiek tags in die hand kry njie.

Patricia voer aan dat die bamboes stokke wat julle gebruik het (Foto 1) te lamlendig is dat die stokkies nou met die hutte breek. Abie verduidelik dat die stokkies te jonk was. Rhoda stel voor dat sy houtpennetjies koop en bring. Anna voel sterk dat daar njie onnodig geld uitgegee moet word njie. Ons moet gebruik wat in die natuur voorkom.





DANKIE



Members of the Genadendal Honeybush Knowledge Partnership

Local knowledge-holders & research participants

Participating students and staff

SU Colleagues for institutional support

Supervisors: Prof. Karen Esler, Prof. Joop Schaminee

