

Conference

**Advancing agricultural transformation in Africa:
Capacity strengthening in policy analysis**

13-14 November 2019

Future Africa, University of Pretoria Experimental Farm, 40 South Street, Pretoria



10

PhD
graduates

33% Female

61% Black

66% International students

3

new
modules

9

visiting
professors

4

permanent
staff
recruited

65

journal
papers
published

23

post-
graduates
supported

Boosted staff capacity with

19 experts

142

Collaborative
masters students
supported in 2018/9

5

postdoctoral
fellows





Prof Tom Reardon

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Value Chains

Dr Danie Jordaan

Dr Mmatlou Kalaba

Dr Melissa van der Merwe

13 November 2019

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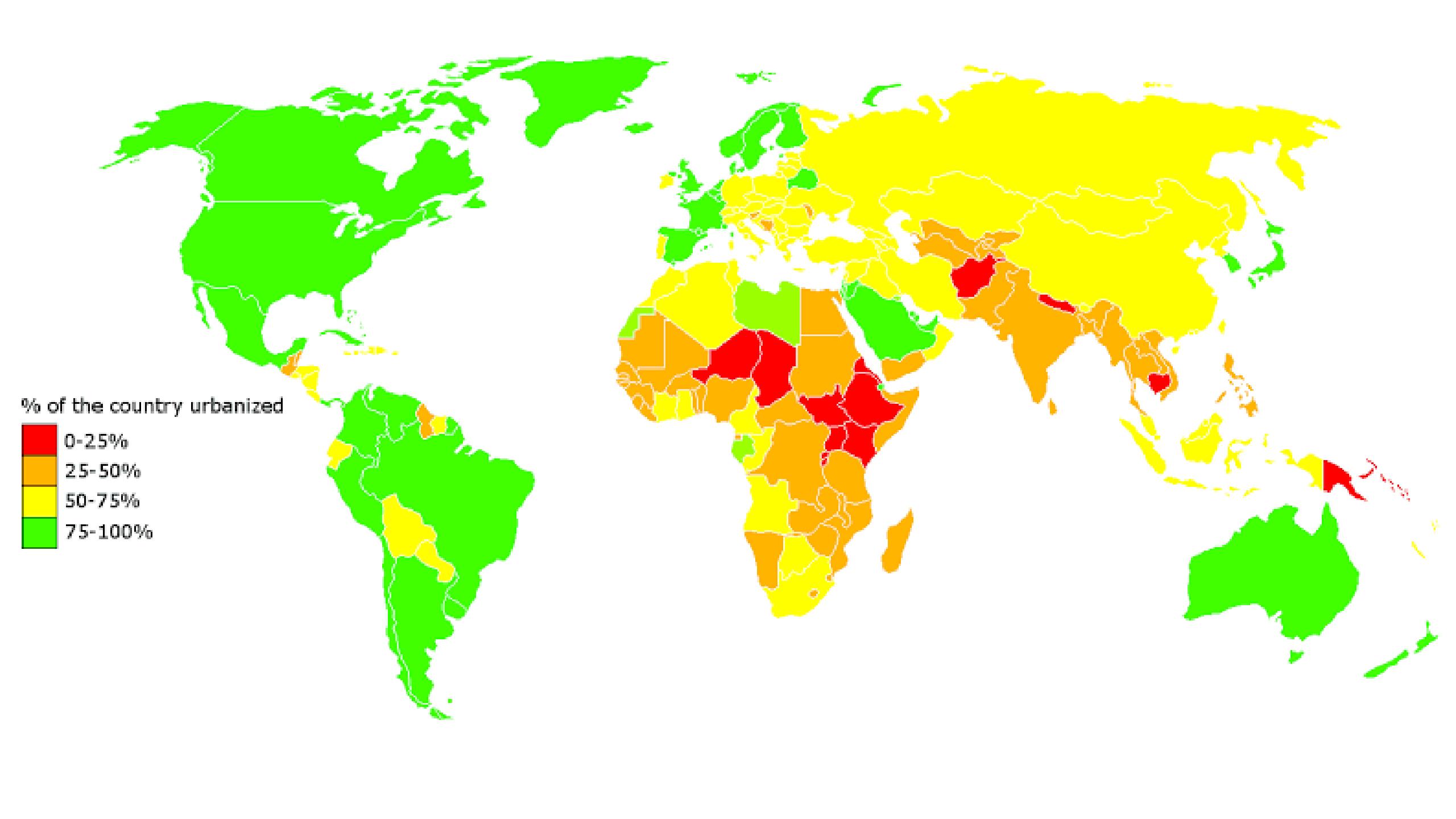
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Legend

- 2007
- non built-up
- 2014

Pretoria North

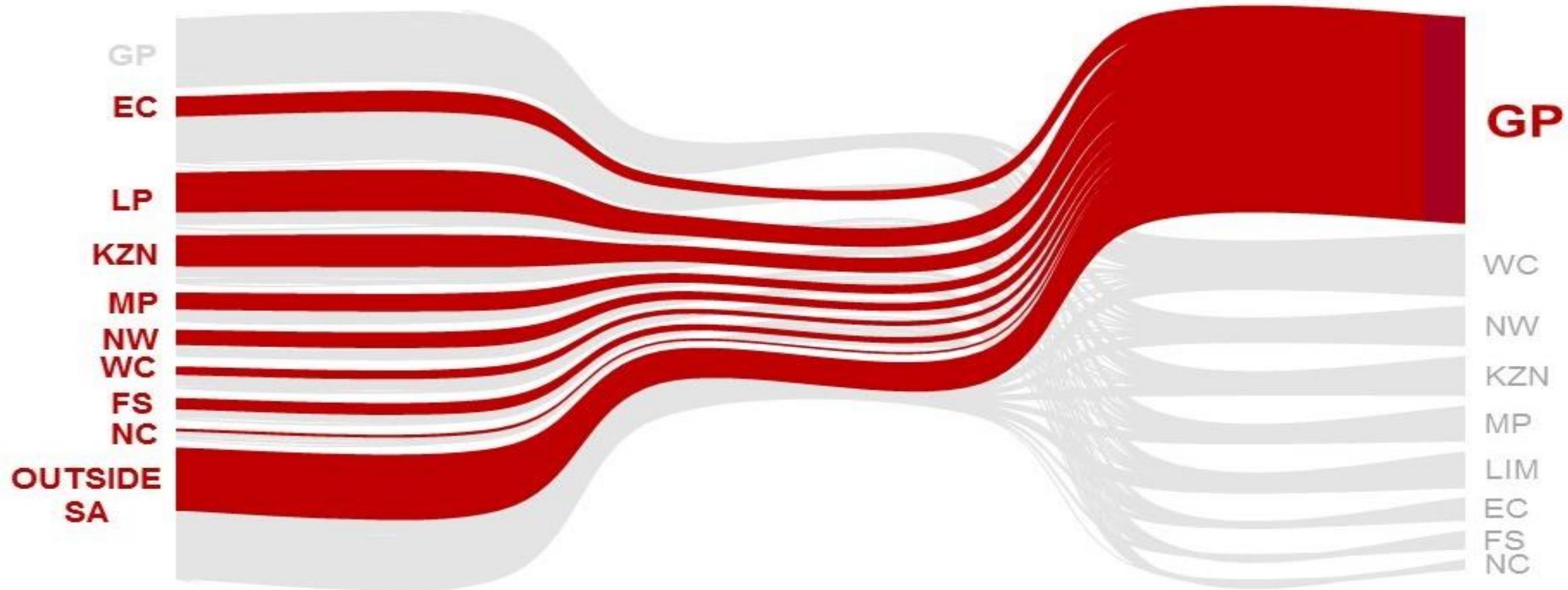
Pretoria South

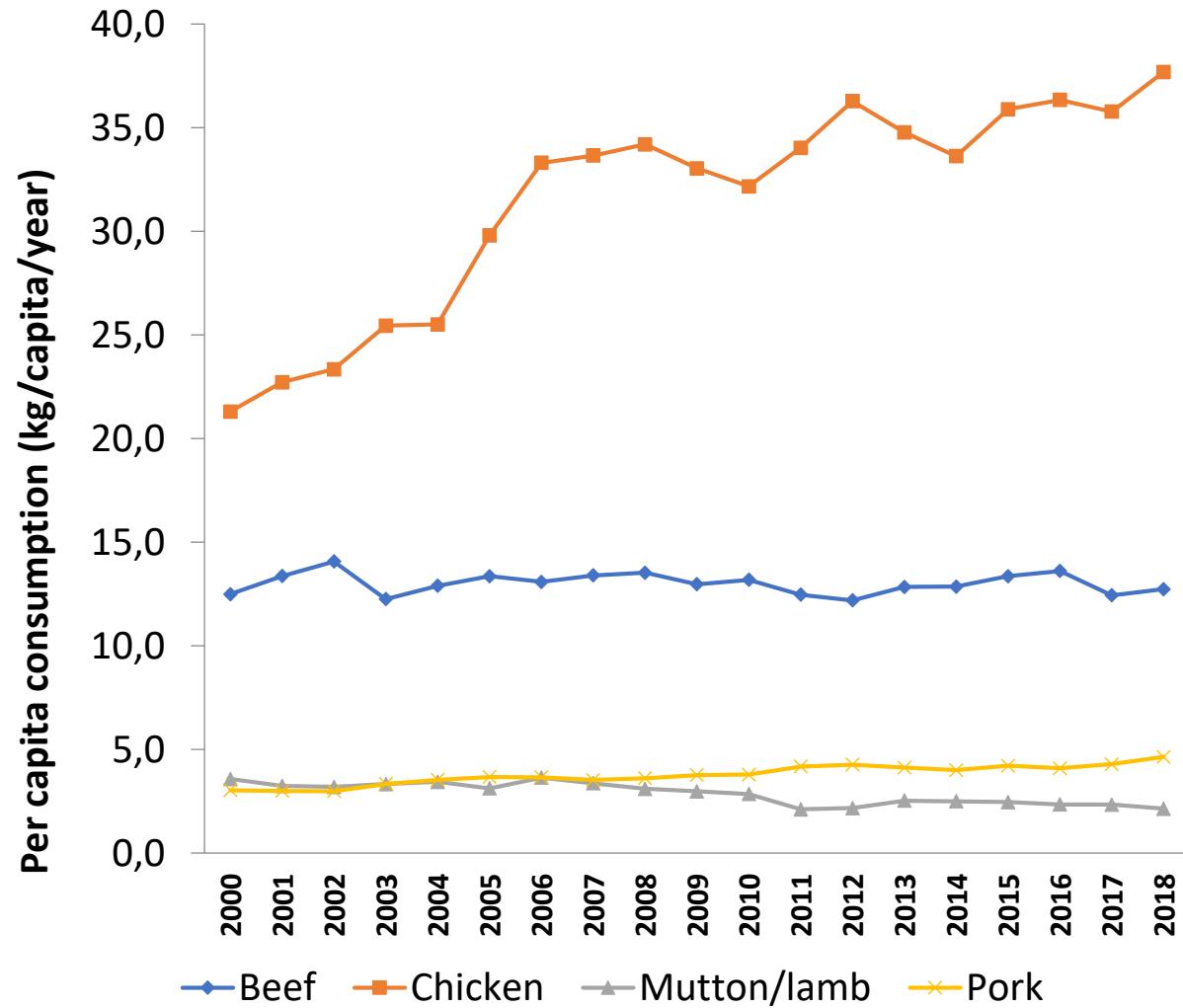
Johannesburg

GAUTENG RECEIVES THE HIGHEST NUMBER OF IN-MIGRANTS FOR THE PERIOD 2016 TO 2021

The economic strength of Gauteng influences its attractiveness to migrants

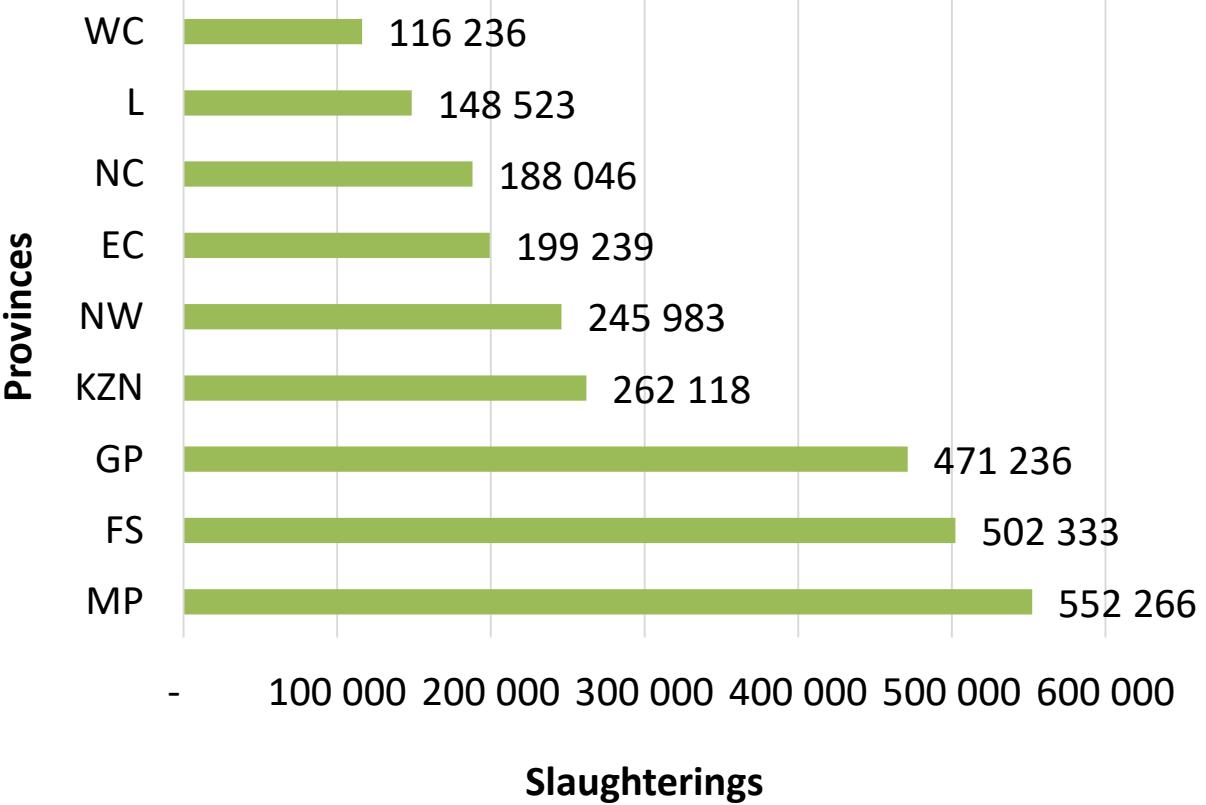
Net Migration 2016-2021 GP as
a destination region





Household expenditure/annum

R1327



Per capita beef consumption
12,7kg/annum





von Thünen's theory of agricultural location

Production

Market

13 November 2019

Northern Cape

© 2019 MIGS/BLSA



Are our
food
systems
ready?



Value chains are complex

Optionality in value chains

Value chains are dynamic

Value chains are fractal

Informal sector important



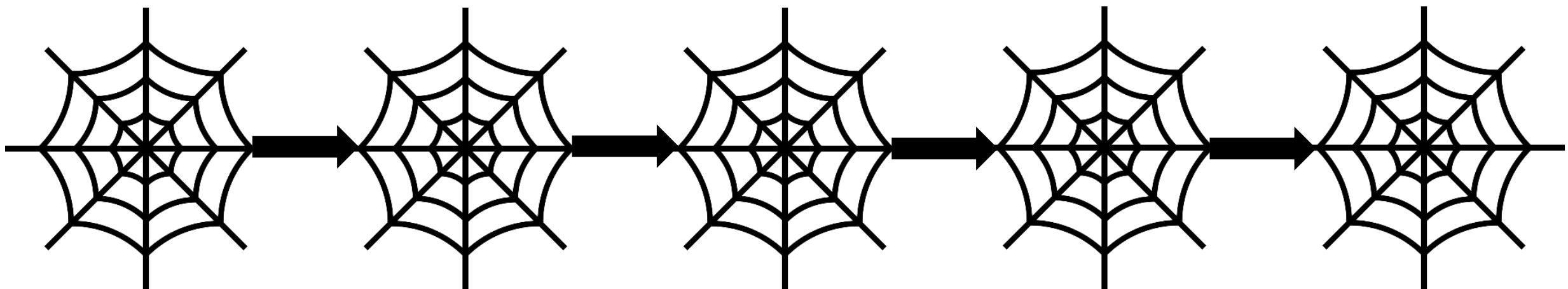
MYTHBUSTERS

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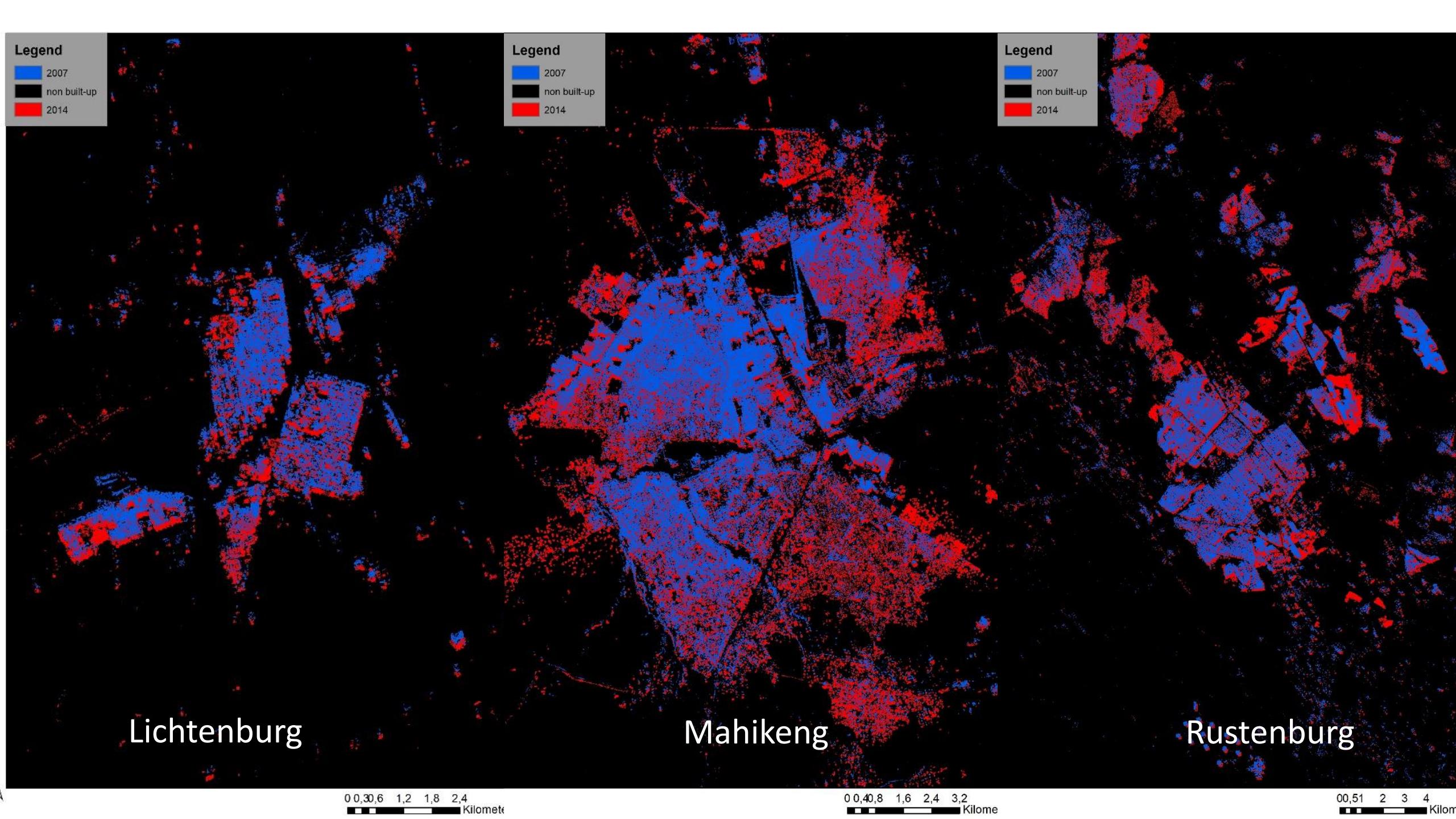


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Value chains are complex



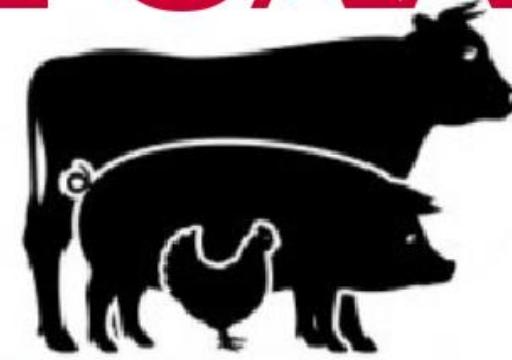




Value chains are complex



AFSAAL



BUTCHERY

farm fresh meat



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Optionality in value chains





Image Landsat / Copernicus

Google Earth

Optionality in value chains



Value chains are dynamic

Easter Parades in New York City

Year 1900: One Motor Vehicle



Year 1913: One Horse & Carriage



Value chains are dynamic



Value chains are dynamic



Google Earth



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Value chains are dynamic



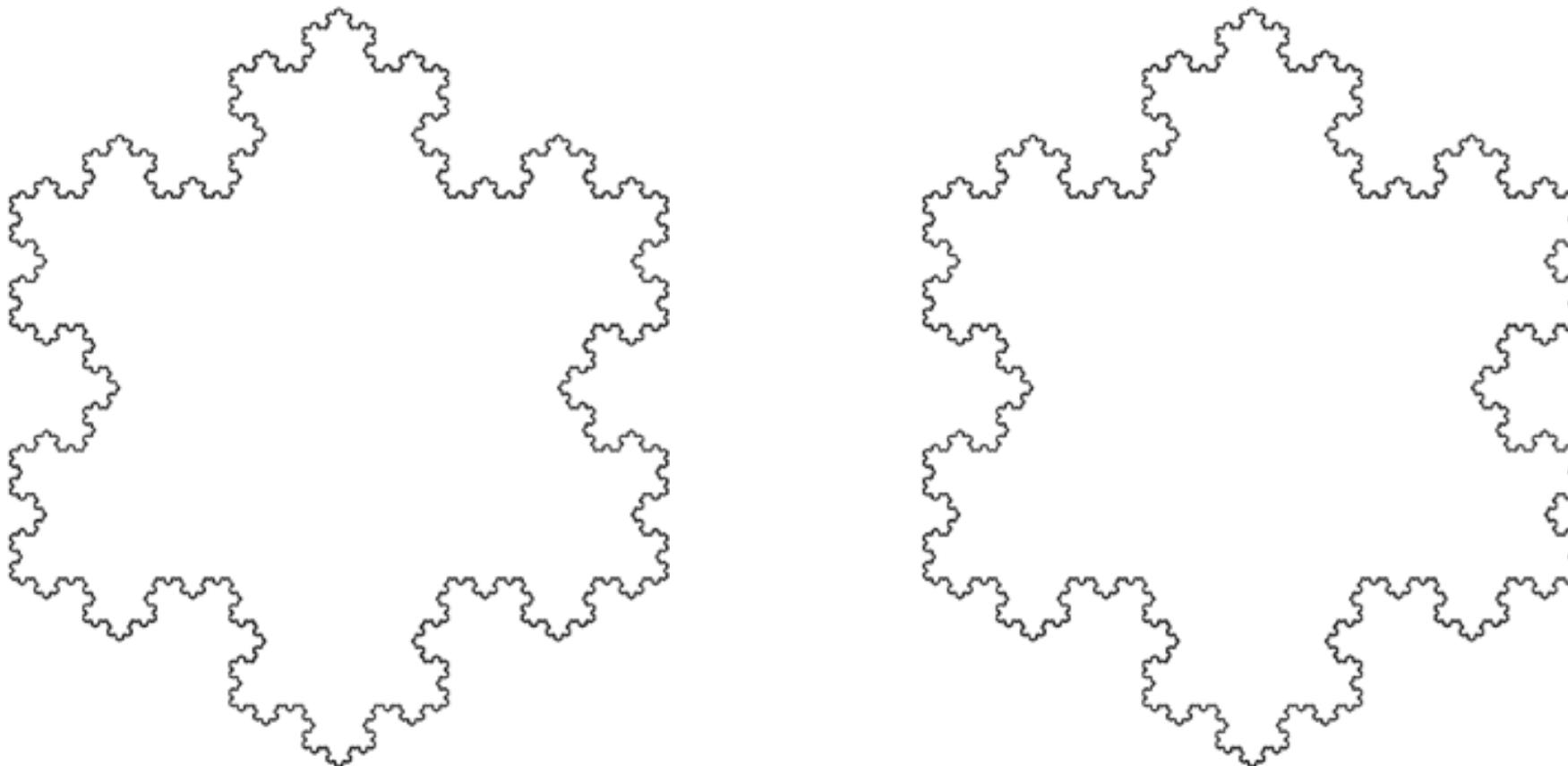
Image © 2019 Maxar Technologies



Image © 2019 CNES / Airbus



Value chains are fractal



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Value chains are fractal



Importance of smallholders



MORULENG

mall



Importance of informal retail

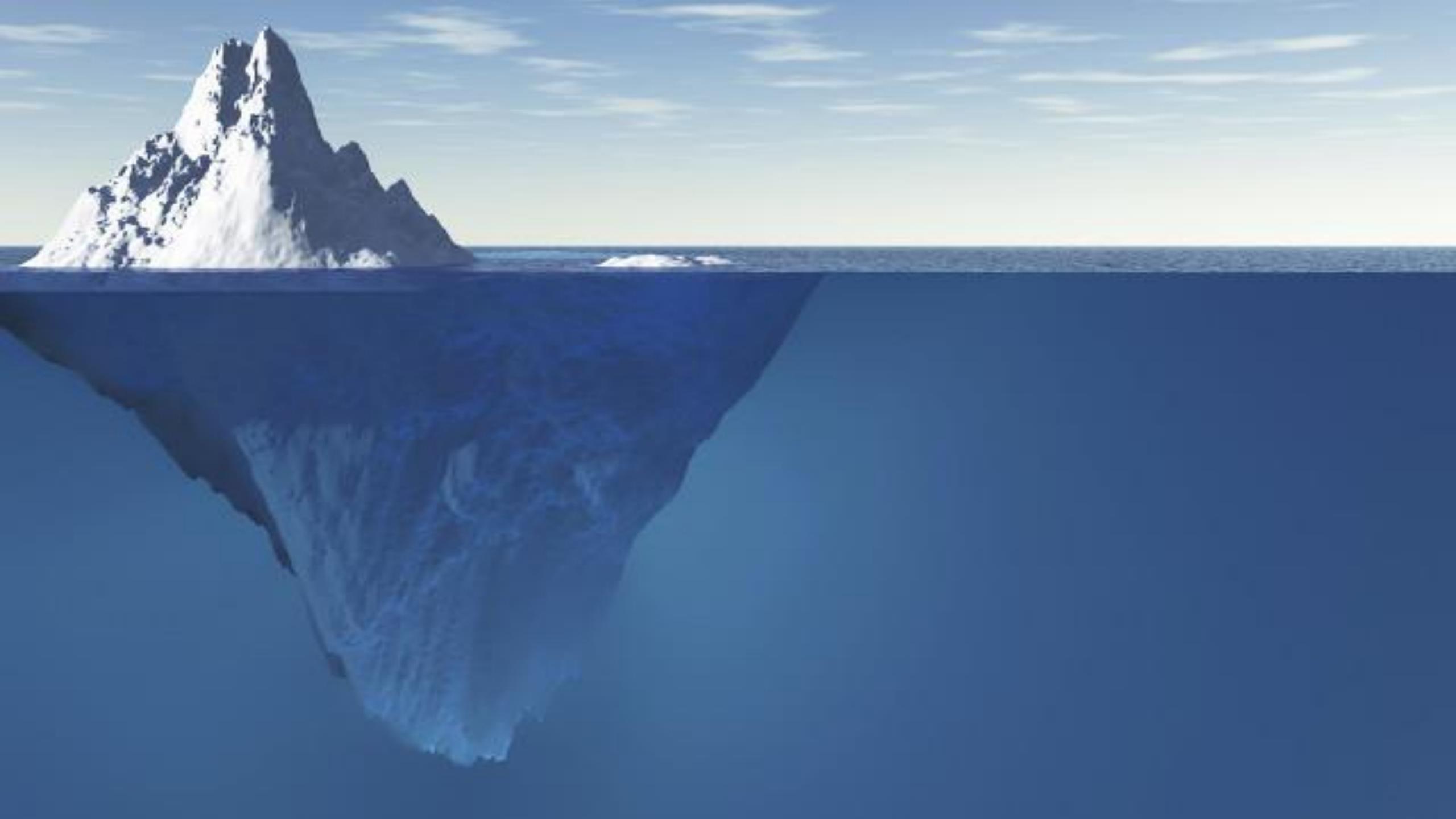




What needs further exploration?

- Quantification of the changes
- Drivers of the changes
- Infrastructure including LITS
- Connectivity, inclusivity, transformation
- Information asymmetry
- Trans regional and trans border value chains





Thank you Ke a leboga Dankie

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Dr Mmatlou Kalaba
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Dr Melissa van der Merwe
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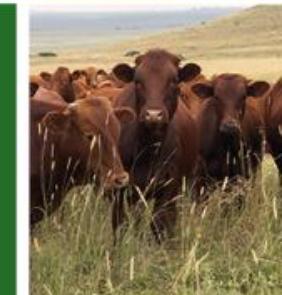
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Prof Trienekens

WUR

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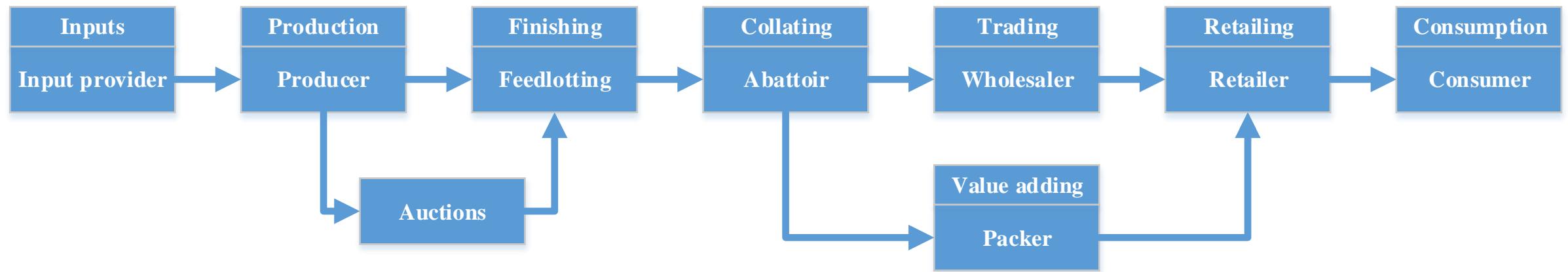
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Breakaway Groups

- Green – Auditorium
- Red – Conference 1
- Blue – Conference 2

Questions:

- What are the gaps?
- What can be done with respect to capacity development, research, and policy impact?

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