

FEAST

Why, What, When, Where So What, What Next?

Alan J Duncan

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FEAST e-Learning Materials Launch

Addis Ababa, 22 May 2015



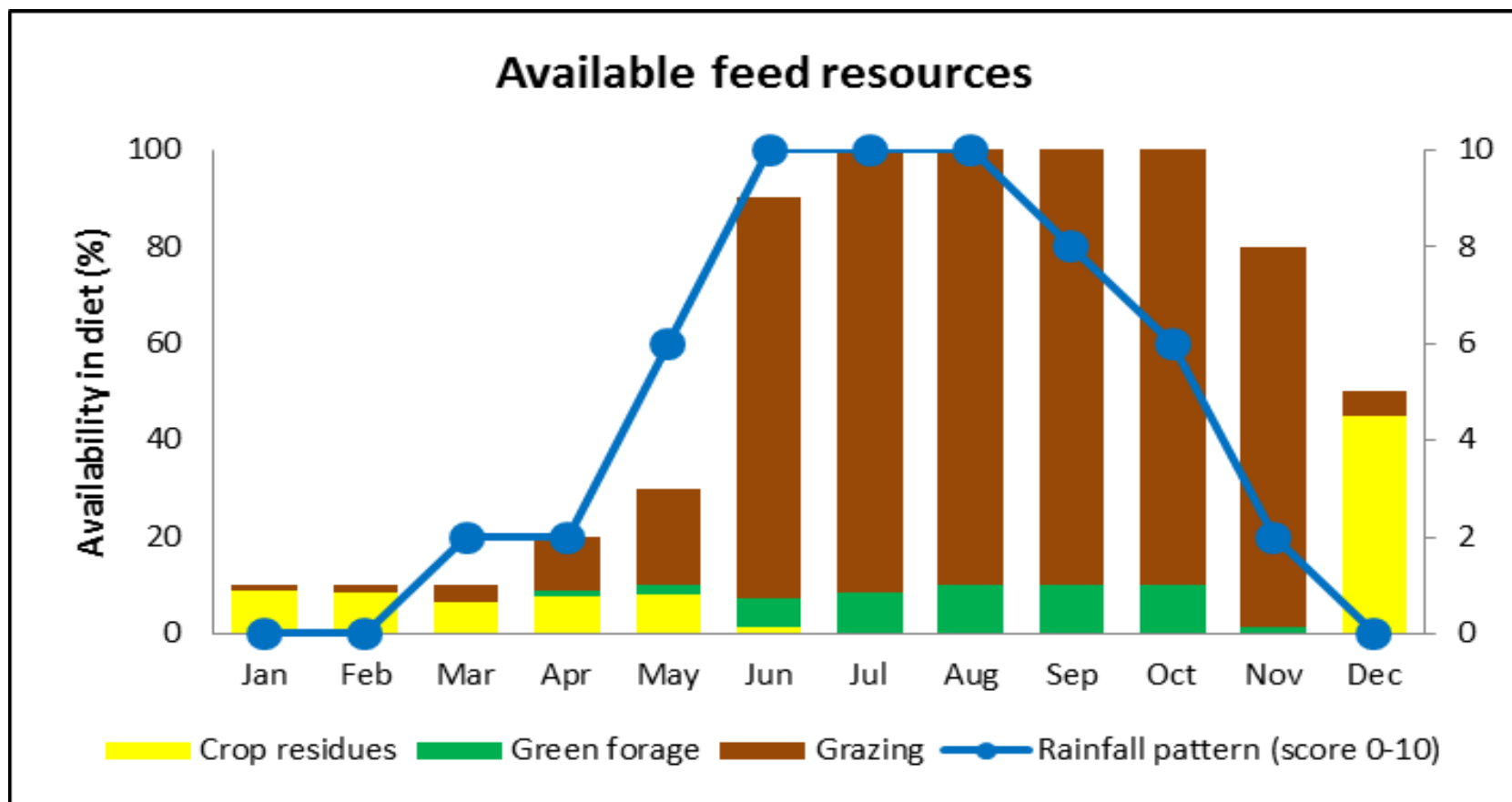
Why?

- Why is there a need for a better approach to livestock feed intervention?

Feed is a key issue in developing world livestock systems



Extreme seasonality of feed supply in Boneya District, Wollega, Ethiopia – from FEAST report



Felix Zingg, University of Bern, unpublished data 2011

Standard response is technology promotion



Urea treatment of straw – Uttarakhand, India



Often what is promoted does not work – why not?

- Researcher driven solutions are often:
 - Not suitable for local context
 - Not dealing with the key constraints
 - Do not sufficiently involve farmers and other local stakeholders in their selection and design
 - Do not take account of wider system constraints such as labour, markets etc.

Complete diet blocks lying unused - India





Forage chopper lying unused - India

What?

- What is needed to avoid futile feed development?
 - A systematic approach to assessing the feeding context
 - Looking wider than just feed
 - Involving farmers and local stakeholders in the process
 - Asking the right questions in a structured way

FEAST – Feed Assessment Tool

- FEAST
 - A systematic approach to understanding the overall feeding system and thinking with farmers and local stakeholders about possible interventions
 - Focus group discussion
 - Participatory solution identification
 - Household Questionnaire with a few households
 - Data entry and presentation system
 - FEAST report



- ACIAR ELF project: applying the FEAST Focus Group Discussion in Ethiopia. Key questions about farming system, livestock holdings, feed resources, labour issues.....



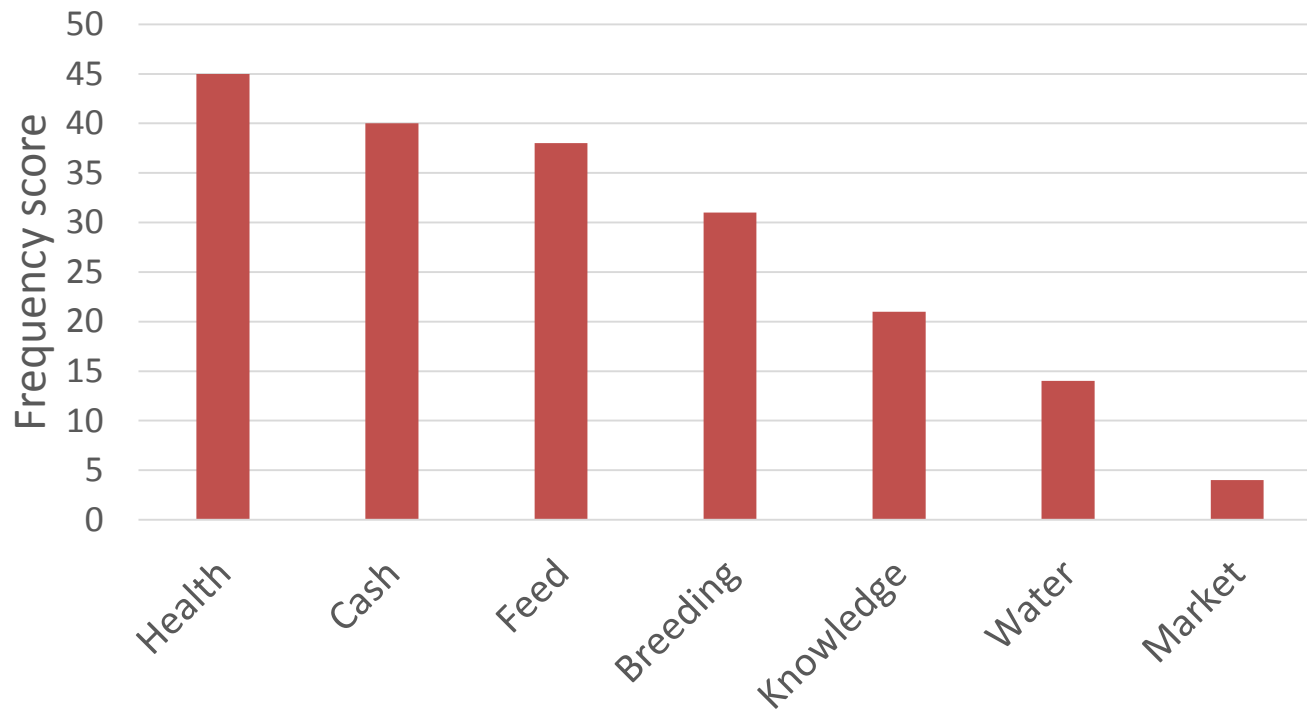
Farmers discussing constraints and solutions,
Uttarakhand, India



Ato Liyusew of Holleta Research Centre, Ethiopia, interviews subsistence dairy farmer

Sorts of constraints identified

Frequency score of constraints mentioned by farmers in Africa RISING FEAST assessments





FEAST { DataApplication

Enter Data

View Reports

Statistics and Units of Measurement

Printable Data Collection Forms

Import / Export / Copy Data

Help and User Manual

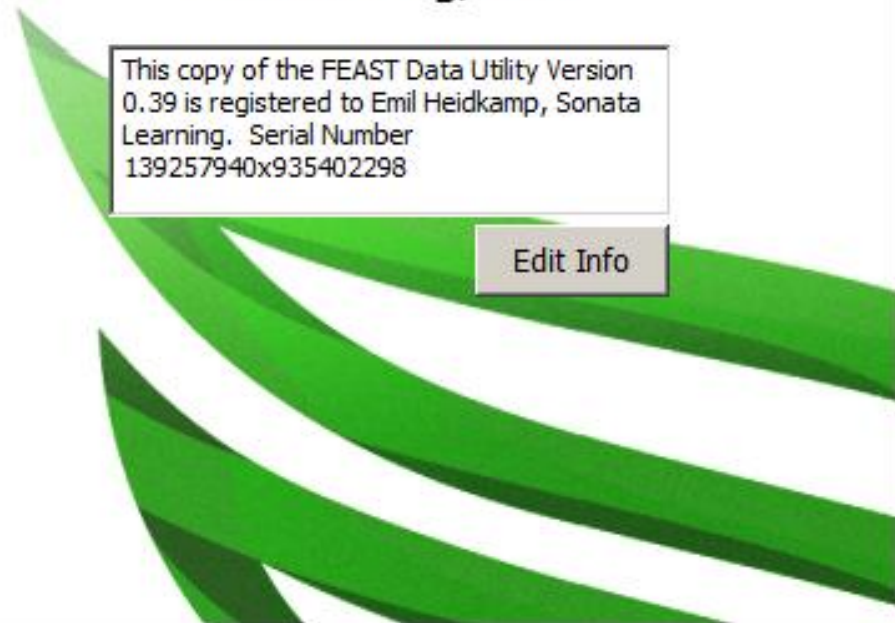
Exit

Visit the FEAST website to upload your data to the global data repository and gain access to advanced reports, upgrades and tutorials.

www.ilri.org/feast

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RESEARCH PROGRAM ON Livestock and Fish

More meat, milk and fish by and for the

Using FEAST to characterize the farming and livestock production systems and the potential to enhance livestock productivity through improved feeding in in Golgolnaele, Atsbi-Wonberta District, Tigray, Ethiopia

T. Hagos¹, S. Gebreyohans², K. GebreMeskel², W. Gebreyohanse², T. Zegeye¹, Assfaw² and J. Wamatu³

¹Tigray Agricultural Research Institute (TARI)

²Mekelle Agricultural Research Center (MARC)

³International Center for Agricultural Research in the Dry Areas (ICARDA)

February 2014

www.livestockfish.cgiar.org



Enhancing dairy-based livelihoods in India and Tanzania through feed innovation and value chain development approaches

Report of a livestock feed assessment in Mvomero District, Morogoro Region, the United Republic of Tanzania

By Fred Wawona (CIAT), Anthony Mushi (TAUR) and Abilaz E. Kimambo (GUA)
In collaboration with Brigitte L. Maceo (CIAT) and Ben Lukuyu (ILRI)



Nairobi, Kenya: International Center for Tropical Agriculture (CIAT)
May 2013



When?

- Evolution of FEAST

Originally developed at cross-country workshop of
IFAD Fodder Adoption Project in Hyderabad in 2009



Luke York, Australian intern developed it further in 2010



Ben Lukuyu developed the training course for FEAST

The Feed Assessment Tool (FEAST): Relevance for analyses and capacity development in dairy value chains

irobi Kenya,
ba, Ethiopia

but smallholder farmers are frequently being
ally in the dry season.
ds, their nutritive value and ways of
ed when planning feeds and feeding

Why FEAST?

- It broadens assessment to look at:
 - Is livestock an important livelihood strategy?
 - How important are feed problems relative to other problems?
 - What about labour, input availability, credit, seasonality, markets for products etc.?
- Identifies feed gaps and provides some ideas for key problems and solutions

Livestock holdings of the farmers (TLU)



Sample outputs

- Shows whether livestock is an important source of income
- Shows the various sources of households' income
- Indicates the percentage contribution of various income sources

Feed availability



- Displays annual distribution of rainfall in the area
- Shows seasonal available feed resources throughout the year
- Shows quantities of purchased feed over a 12-month period

Dietary composition



- Shows crops
- Shows fodder
- Shows the various components that contribute to DM content, crude protein, and Metabolizable energy (ME)

me ideas for key problems and
understanding between farmers,
ment staff

ported License

September 2014



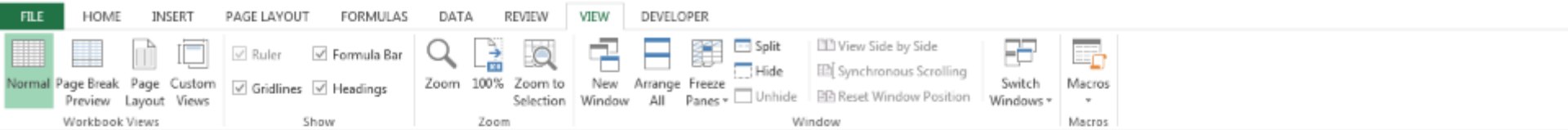
LR
ERNATION
STOCK RESEARCH
STITUTE
kuyu B.A.
Research Institute



Arindam Samaddar developed constraints/solutions methodology

Peter Ballantyne helped with
comms, marshalling, championing





AC91 : X ✓ ✎ Cocoa (Theobroma cacao)

Ugly spreadsheet

HOW TO FILL OUT THIS SPREADSHEET

1. ENTER RESPONSES IN THE WHITE CELLS ONLY
2. ENSURE THAT EACH WHITE CELL HAS A NUMBERING
3. GRAPHICAL REPRESENTATIONS OF DATA SHOULD AUTOMATICALLY FILL IT SPREADSHEET IS FILLED COMPLETELY
4. IN THE EVENT THAT A DROP, FODDER DROP, OR PURCHASED FEED IS NOT PRESENT IN THE DROP-DOWN LIST
5. IF THE VALUES ASSOCIATED WITH DROP-DOWNS ARE NOT APPLICABLE TO YOUR AREA, THE VALUES COULD BE HIGHLIGHTED IN YELLOW IN THE OUTPUT SECTION OF THIS WORKSHEET TO INDICATE VALUES OF POSSIBLE

OUTPUT

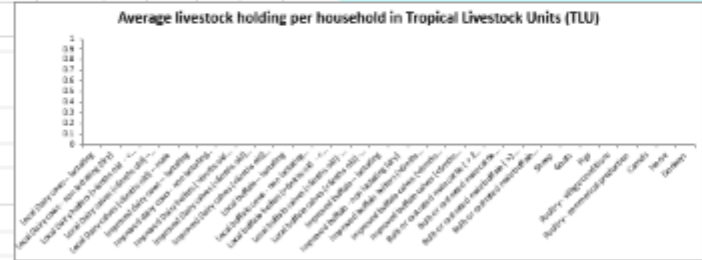
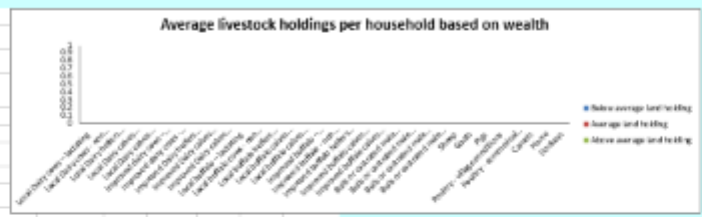
DO NOT EDIT THIS SECTION!!!!!!!

Month (years 0-5)	Jan	Feb	March	April	May
Category of farmer	Response of farmer	Category of farmer	Response of farmer	Category of farmer	Response of farmer
Landless	0				
Small farmer	4	3			
Medium farmer	4	3			
Large farmer	4	3			
TOTAL (Σ)	8	6			

DO NOT EDIT THIS SECTION!!!!!!!

Respondent name	
Landholding category of respondent	
How much land do you have	
Co-operative/requirements and facilities	
Occupation	
Name of village	
Name of district and sub-district	
Country	
GPS co-ordinates of interview location	
Date	21/01/14

	Average household size	Average land holding	Average household size	Approximate number of animals (kg)	Dominant breed	Average number per HH	Average holding (TLU per HH)
Local Dairy cow - lactating	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI
Local Dairy cow - non lactating (dry)	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI
Local Dairy cow - < 1st calving	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI
Local Dairy cow - > 1st calving	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI
Improved dairy	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI	SDWMI



RESPONSES FROM GROUP PRA

Jan	Feb
-----	-----

Category of farmer	Response of farmer	Category of farmer	Response of farmer
Landless	0		
Small farmer			
Medium farmer			
Large farmer			

INSERT RESPONSES FROM INDIVIDUAL

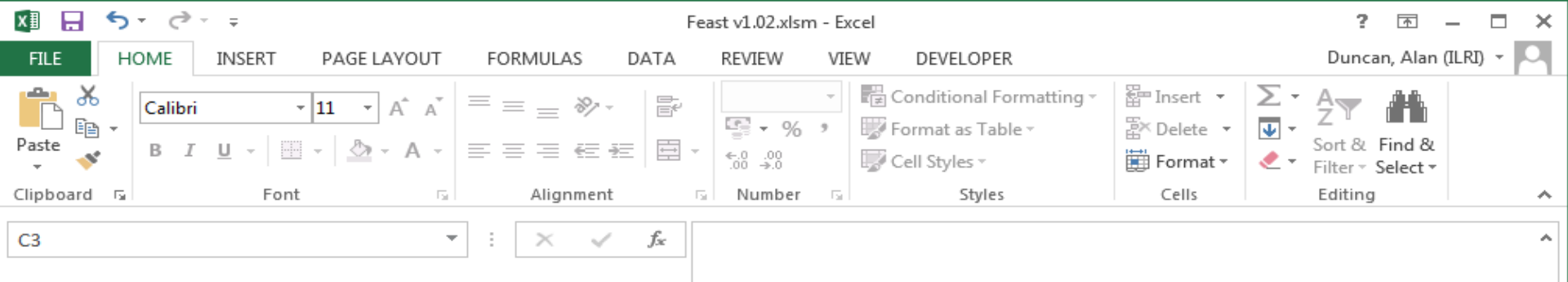
Respondent 1

Respondent name	
Landholding category of respondent	
How much land do you have	
Co-operative/requirements and facilities	
Occupation	
Name of village	
Name of district and sub-district	
Country	
GPS co-ordinates of interview location	
Date	

Livestock Holdings


	Number of animals	Approximate weight per animal (kg)
Local Dairy cow - lactating		
Local Dairy cow - non lactating (dry)		
Local Dairy cow - < 1st calving		
Local Dairy cow - > 1st calving		
Improved dairy		





Fancy spreadsheet

Respondent

 Add/edit group information

Small
Medium
Big

New Respondent

Show all respondent data

Lookup

Crops

Planted fodder

Purchased feeds

Reference

Other List

Units

Outputs

Group summary

Livestock holding of the farmers

Crops grown on farm

Fodder crop

Purchased feed

Contribution

Dietary composition

Feed availability

Additional Output



FEAST { DataApplication

Standalone App

- Ent...
- View Reports
- Statistics and Units of Measurement
- Printable Data Collection Forms
- Import / Export / Copy Data
- Help and User Manual
- Exit

data
access
utorials.

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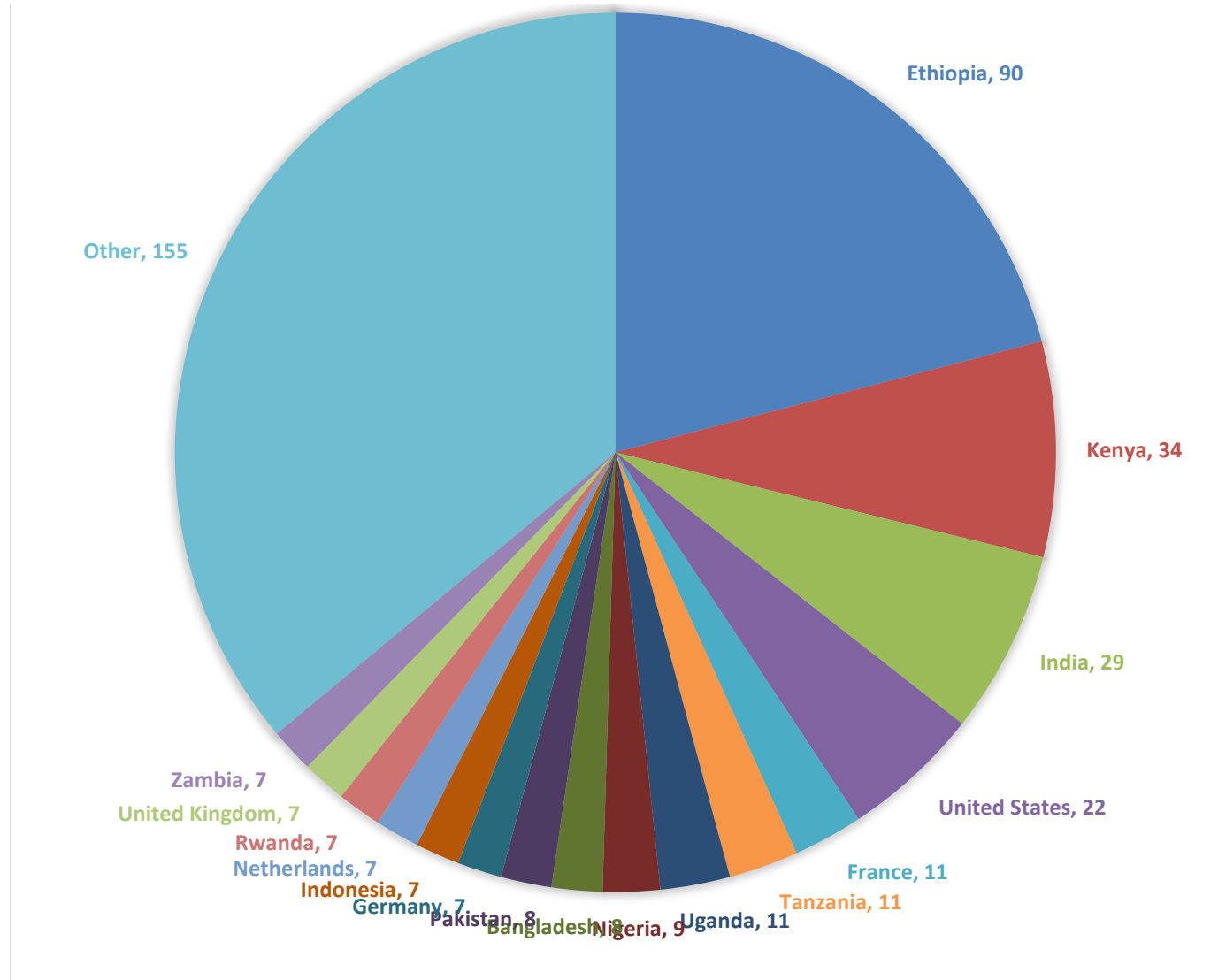
Improved FGD guide and Questionnaire



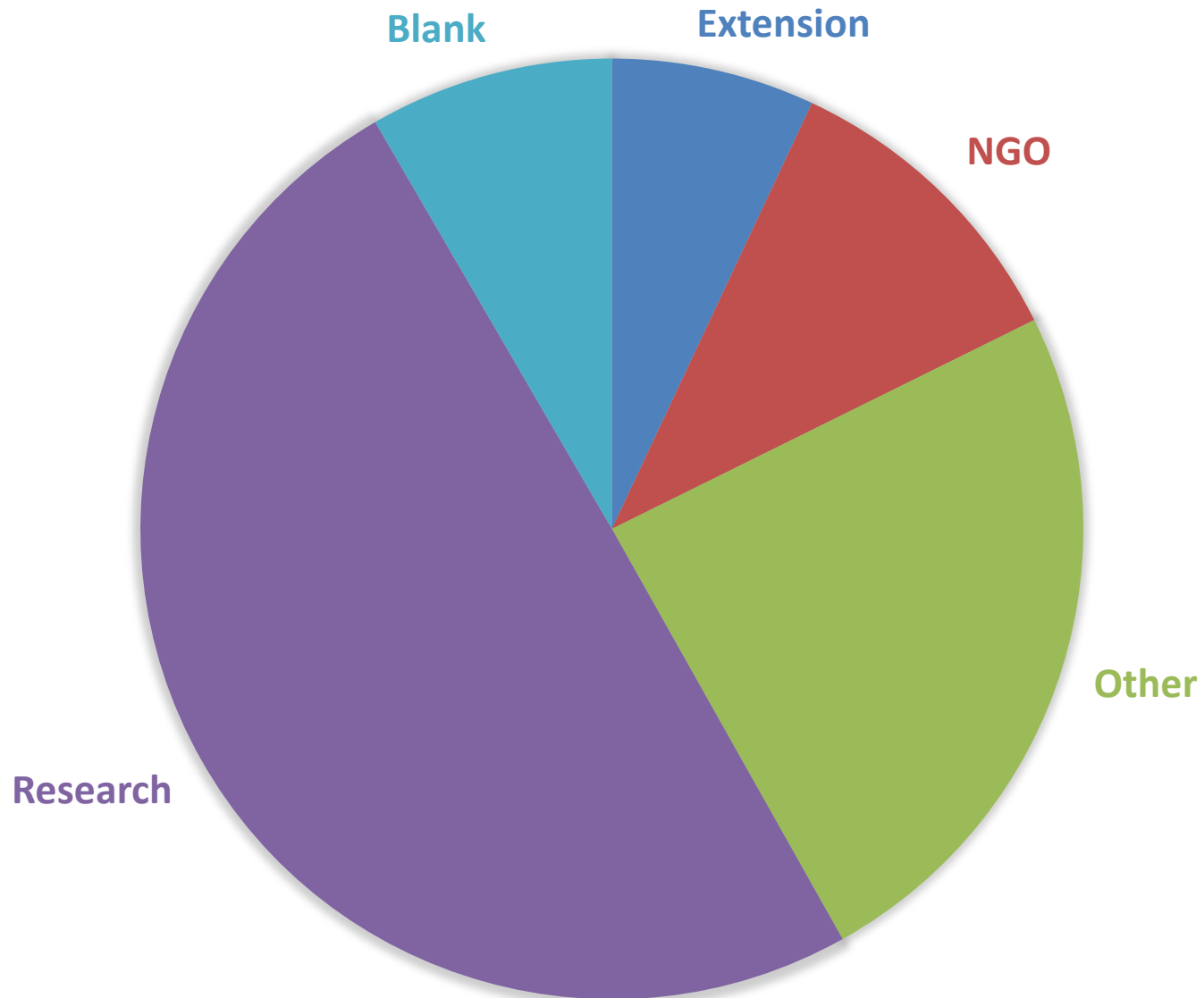
Where?

- Where it has been applied
- Where should it be applied?

Download by country

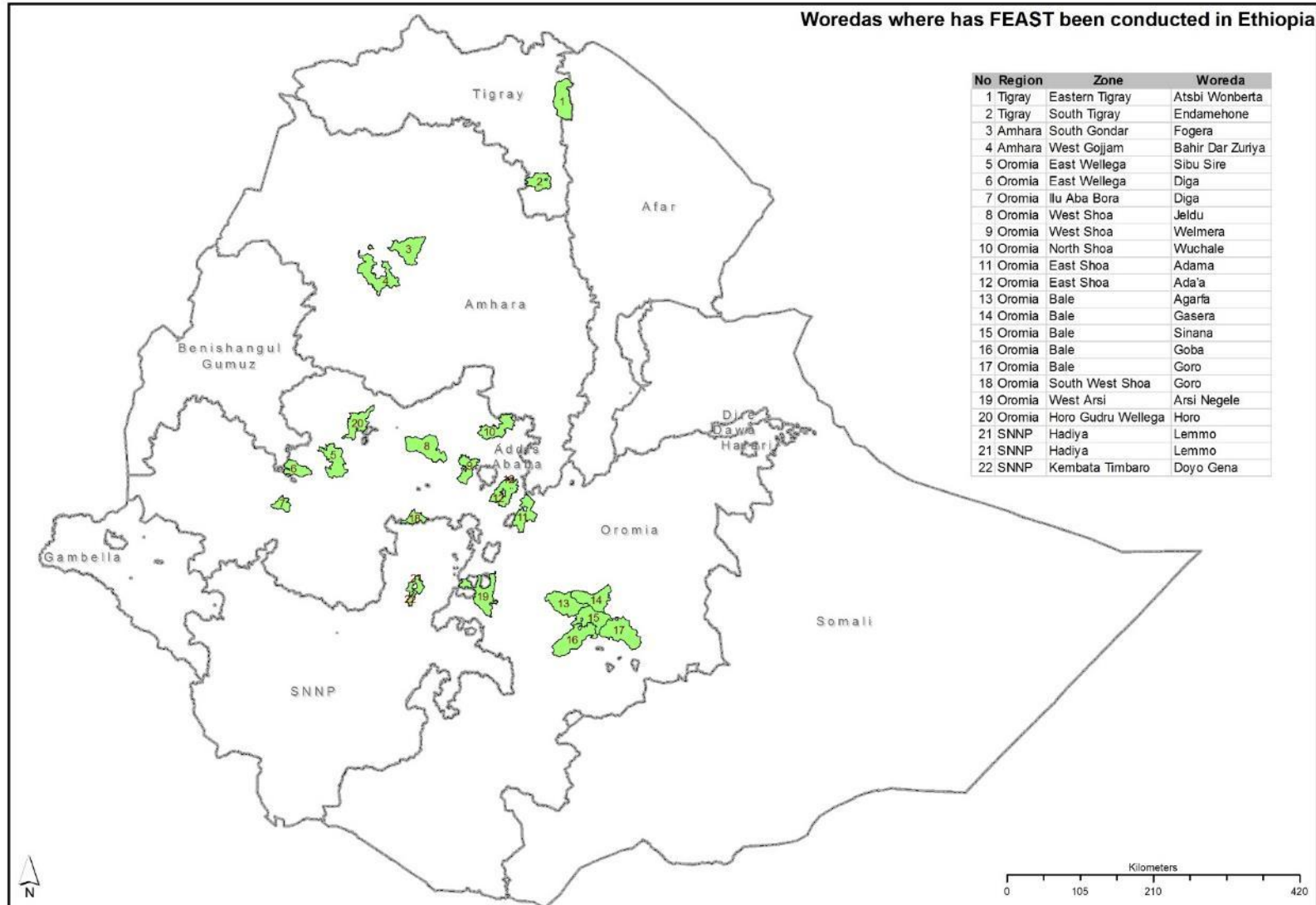


Download organization type

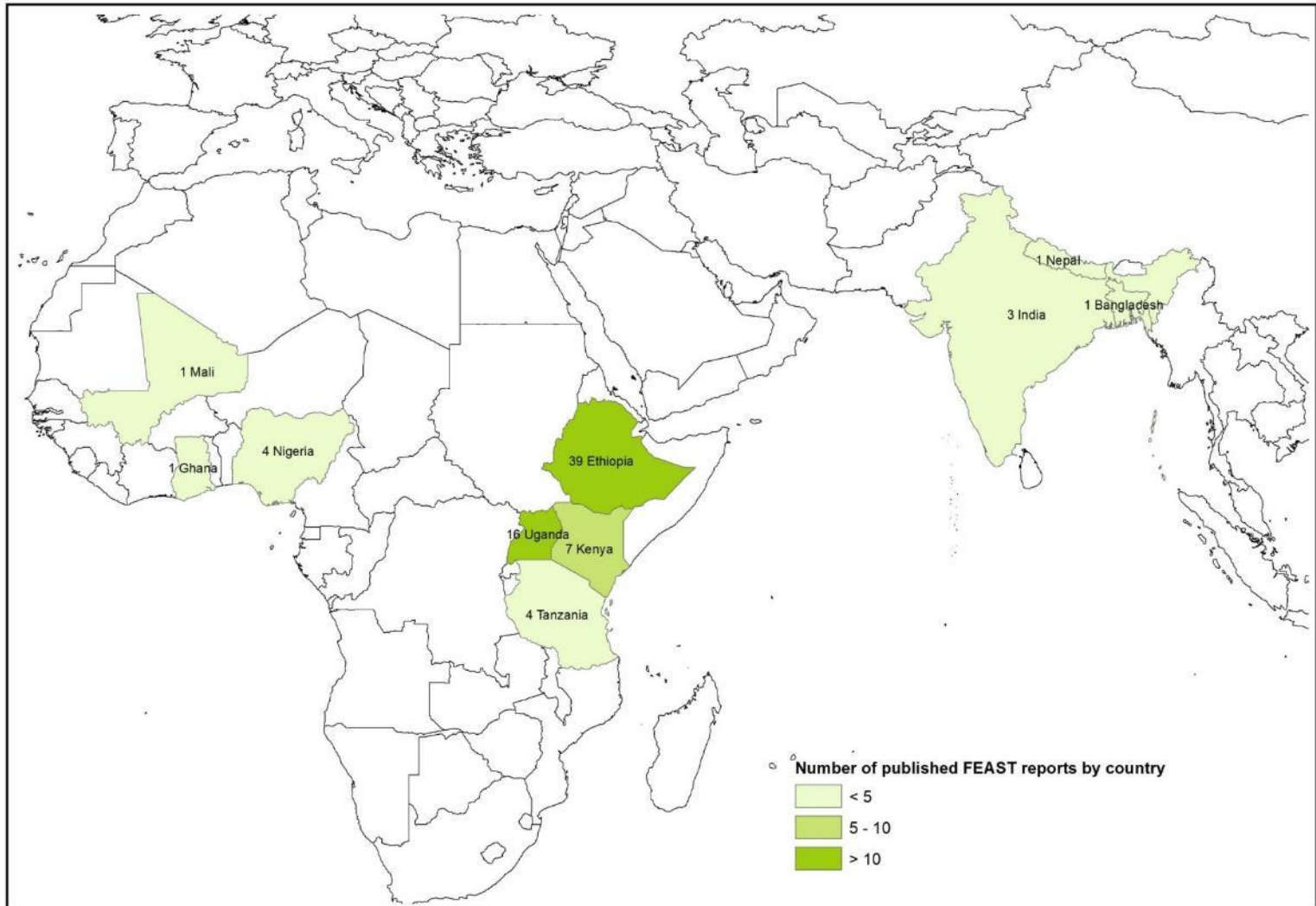


Ethiopia

Woredas where has FEAST been conducted in Ethiopia



The world



So What?

- How does FEAST help?
 - Gives ideas for feed interventions
 - Appropriate
 - Owned by farmers
 - Fit the context
 - Change knowledge, attitude, practice of those who use them
 - Broader thinking
 - Better understanding of farmer constraints

Where next?

- Couple FEAST with Techfit for prioritizing specific interventions
- Look for opportunities to use FEAST thinking for other problems
- Roll out e-learning materials
- Develop global database of FEAST data

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