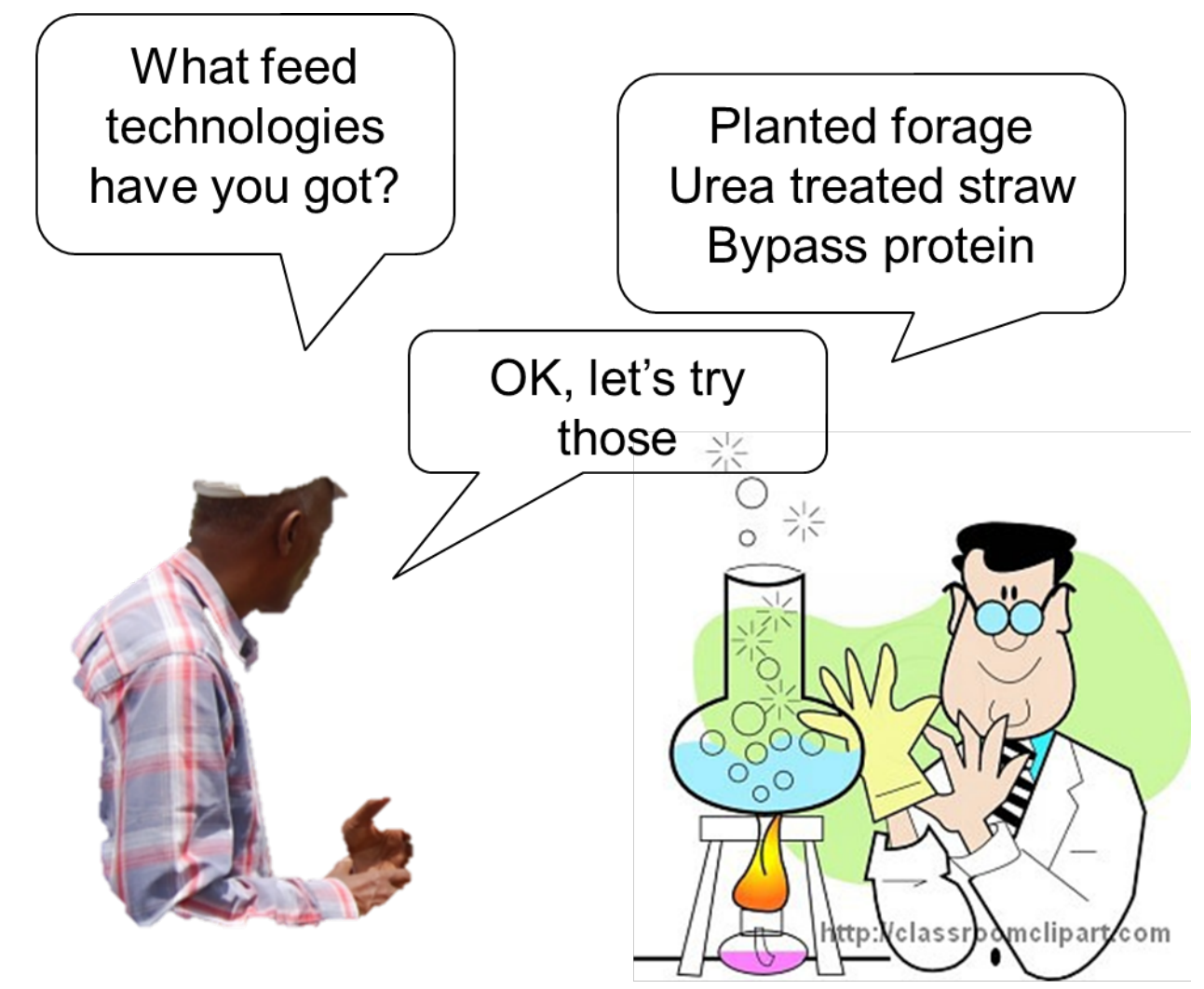


FEAST and Techfit: Rapid livestock feed assessment tools for supporting intervention strategies in livestock and fish value chains



The problem: Feed interventions often do not work – why?

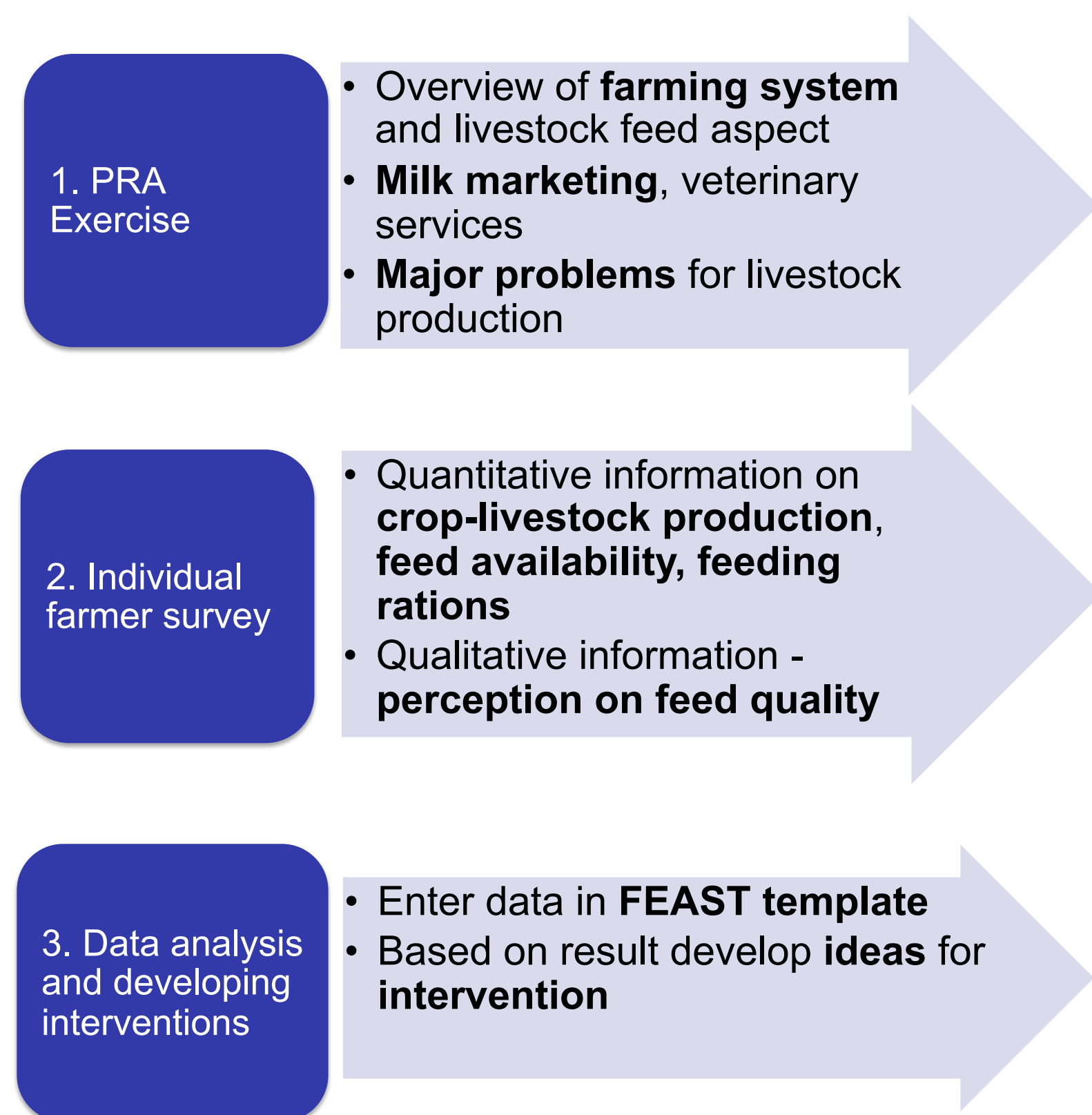
1. Failure to place feed in broader livelihood context ignoring broader issues e.g. how feed problems rank in comparison to other problems and issues related to labour, input availability, credit, seasonality, markets for products etc.
2. Lack of farmer design and ownership
3. Neglect of how interventions fit the context: land, labour, cash, knowledge etc.



Solution 1: FEAST

- Feed assessment tool (FEAST) broadens the feed assessment by telling whether feed is an important issue at some location and gives a good description of the farming system, the context, and the main attributes of the livestock component. It also helps to structure thinking and allows dialogue with stakeholders on what the key feeding issues are and how they fit into the broader context.

How does FEAST work?



Solution 2: TechFit

- Technology filter tool (TechFit) offers a framework to evaluate and prioritize feed options based on expert's knowledge. It supports decision making by systematising the way possible feed technology interventions are collected, structured, screened and prioritized, using a set of general approaches, generic classifications and critical parameters from multiple angles (technical, institutional, policy, social and economic).

Matching context to technology

Key context attributes		Key technology attributes	
Land	X	Land	=
Labour		Labour	
Credit		Credit	
Input		Input	
Knowledge		Knowledge	
			Score

Technology filter

ILRI TECHNOLOGY FILTER (Technology options to address quantity, quality, seasonality issues)	Context relevance (Score 1-6; low-high)	Impact potential (Score 1-6; low-high)	Total score (context X impact)	Attribute 1: Land (Score 1-3; 1 for less, 3 for more)	Attribute 2: Labour (Score 1-3; 1 for less, 3 for more)	Attribute 3: Cash/credit (Score 1-3; 1 for less, 3 for more)	Attribute 4: Input delivery (Score 1-3; 1 for less, 3 for more)	Attribute 5: Knowledge/skill (Score 1-3; 1 for less, 3 for more)	Score for improvement of attributes (Score 1-5; 1 for less and 5 for more)	Total Score
Urea treatment of straw	2	3	6	3	2	2	2	2	2	0
Supplement with UMMS	2	5	10	3	3	3	2	1	1	22
By-pass protein feed	1	3	3	3	3	1	1	3	3	0
Feed conservation (surplus) (HAY)	4	3	12	3	3	2	2	3	3	41

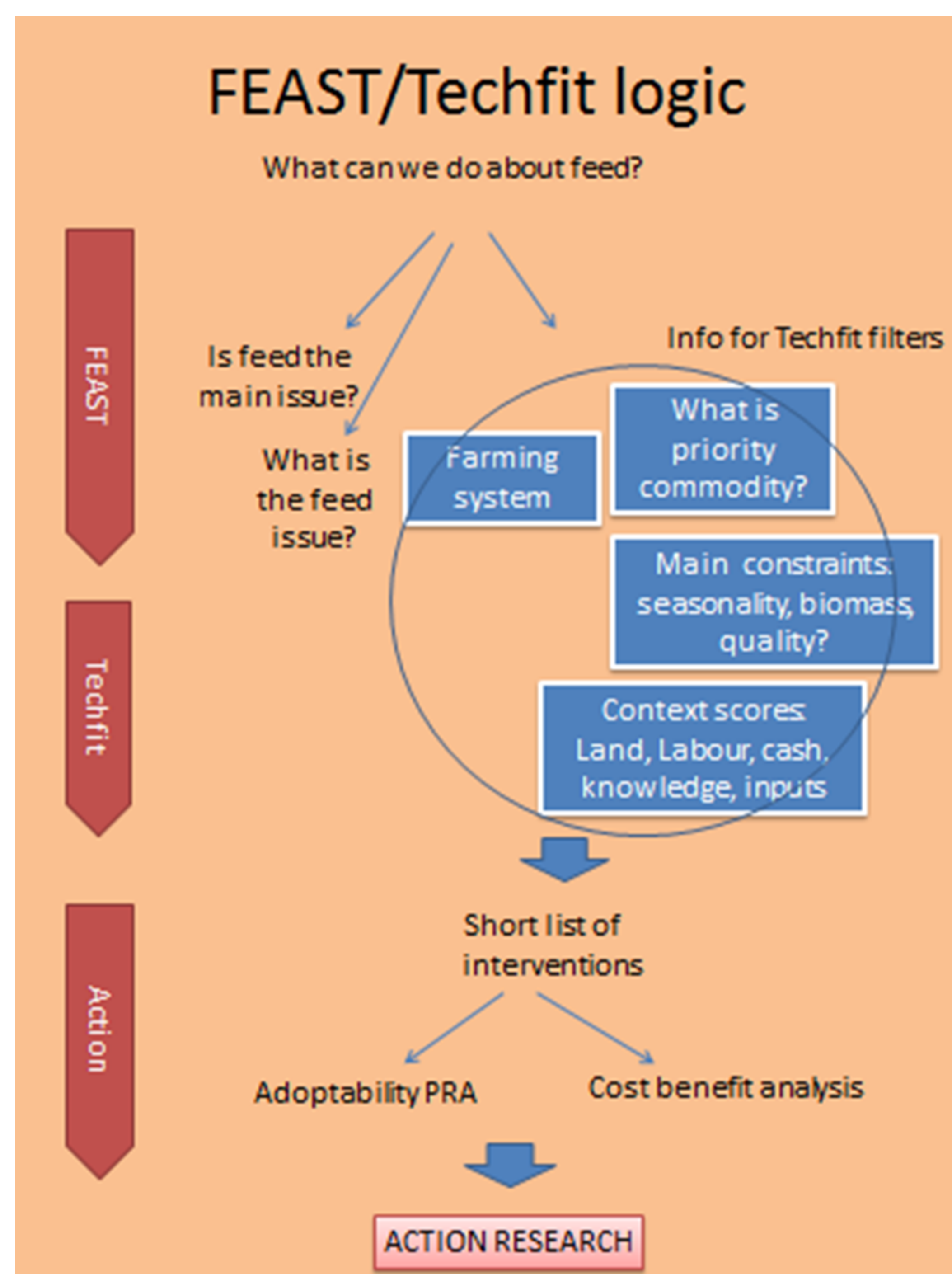
The new thinking: To link FEAST to the TechFit tool.

The basic logic:

- FEAST tell us whether feed is an important issue at some location and gives a good description of the farming system, context, and livestock component. TechFit offers a framework to evaluate and prioritize feed options based on expert knowledge

Work in progress:

- Revamping FEAST so it generates the context information needed by Techfit.
- Data aggregator
 - Imports FEAST data into central database
 - Currently standalone but plans to move into **online** environment
- Develop adoptability component/ tool
- Develop the cost benefit analysis approach/tool.



Cost-benefit assessment

- What does the technology cost? -Inputs, labour, land etc.?
- What does the technology deliver? - Enhanced milk yield, improved reproductive performance, better growth etc.
- Does it make sense?