Instructional design at ILRI: Working with the Feed Assessment Tool (FEAST)

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Instructional design is a form of applied educational psychology that takes a systematic approach to helping learners rapidly acquire and retain new skills, knowledge and attitudes in furtherance of an organization’s strategic goals.

A.D.D.I.E

- **Analyze** the strategic goals of the organization, the current status quo and any practical / logistical constraints (the inputs and outputs of the training process)
- **Design** learning objectives, activities and course materials to support the organization’s strategic goals to the greatest extent possible within any defined budgetary and/or practical constraints
- **Develop** the course content
- **Implement** the training
- **Evaluate** the success of the training and revise as necessary
Feed Assessment Tool (FEAST)

The Feed Assessment Tool (FEAST) is a systematic method to assess local feed resource availability and use. It helps in the design of intervention strategies aiming to optimize feed utilization and animal production. The tool comprises two main elements:

- A focused PRA exercise which provides an overview of the farming system with particular emphasis on livestock feed aspects.
- A simple and brief quantitative questionnaire, designed to be completed by experts under the guidance of the Feast facilitator. Output from ‘feast’ consists of a short report in a defined format along with some quantitative information on overall feed availability, quality and seasonality which can be used to help inform intervention strategies.

The FEAST methodology comprises a guide and questionnaire, a data template and a data template manual. **DOWNLOAD the application and the manuals here.**

In 2015, a set of blended e-Learning materials are also available. **See them here.**

All reports, documents and other information materials related to FEAST are accessible at [https://cgspace.cgiar.org/handle/10568/16490](https://cgspace.cgiar.org/handle/10568/16490).

ILRI and partner work on feeds is reported and shared at [http://feeding-innovation-ilri.org](http://feeding-innovation-ilri.org).
Analyzing the goals and context

Analyze the strategic goals of the organization, the current status quo and any practical / logistical constraints (the inputs and outputs of the training process)

- Push towards ‘scaling’ by donors
- Scientists running training workshops
- Need to maintain level and quality of ILRI research outputs
- Scientists become SMEs
- Review training materials and observe training workshops for timings, instructor inputs.
Design course materials

Design learning objectives, activities and course materials to support the organization’s strategic goals to the greatest extent possible within any defined budgetary and/or practical constraints.

- Software application guides process and generates graphs
- FGD and interview guideline
- Checklist for workshops
- eLearning modules
  - Introduction to interpreting graphs
  - Game explains sampling strategy
  - Step-by-step videos showing how to use software
  - Activity to build report writing skills
Developing Livestock Feed Interventions with the Feed Assessment Tool (FEAST)
The Course Structure

Step 1 (of 8) Lesson Objectives

The FEAST Concept

Lesson Objectives
By the end of this lesson, you should be able to:

- Recognize the importance of smallholder farmers in the global economy
- Describe the importance of livestock feed to smallholder farmers
- Summarize how the Farmer-Centred Diagnosis methodology helps smallholder farmers improve access to livestock feed
- List the major activities in a Farmer-Centred Diagnosis
- Explain the importance of involving farmers in the process
- Describe your role as a FEAST Facilitator
- Summarize how the FEAST Tool is employed in a Farmer-Centred Diagnosis

Key Terminology

- Farmer-Centred Diagnosis (PCD) – A methodology for improving livestock feed resources that lets local farmers, rather than outside experts, lead the process
Activities to Practice and Teach Concepts

Step 7 (of 8) Activity - Selecting Farmers for Focus Group Interviews

Introduction
You have been assigned to facilitate a Farmer-Centered Diagnosis in the village of Pangaea. As part of the process, you must select a representative group of farmers to participate in a focus group discussion about local livestock feed resources.
Step-by-Step Instructions for using Software

FEAST Data Application Tutorial
Creating Projects
❖ Whiteboard animations
Step 3 (of 8) Review Questions

Question 2 of 2

A 2012 FAOSTAT report ranked the most valuable agricultural commodities in the world. Can you guess how much money each of these five commodities generate for farmers each year? Drag and drop to connect the items to the scoreboard.

#1 - USD $187 billion  
Milk

#2 - USD $185 billion  
Rice

#3 - USD $169 billion  
Beef

#4 - USD $166 billion  
Pork

Next
Choose a word from each drop-down to form a true statement.

There are approximately five hundred - Select - smallholder farmers in the world, who together are responsible for feeding over two - Select - of the Earth's people.
Choose a word from each drop-down to form a true statement.

There are approximately five hundred [Select] smallholder farmers in the world, who together are responsible for feeding [Select] of the Earth's people.
Step 3 (of 8) Review Questions

Choose a word from each drop-down to form a true statement.

There are approximately 500 million smallholder farmers in the world who together feed over two billion of the Earth’s people. This makes smallholder farmers critical players in the global economy, and essential for worldwide food security.

That answer is partially correct.

Continue
Course Evaluation – Participant Feedback

- Kirkpatrick’s 4-level evaluation model for training
- Bullseye/dartboard, smiley sheets each session
- Formal evaluation and opportunity to make comment at end
## Course Evaluation – Measuring Outcomes

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<th>Group</th>
<th>No. Participants</th>
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<th>Post-test Average</th>
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Cohen's d values:
- small: 0.2
- medium: 0.5
- large: 0.8
Course Evaluation – Measuring Outcomes
But what if there is no Internet?
better lives through livestock

ilri.org