Designing A Course and Syllabus For Training On Core List of Agiculture and Rural Statistics
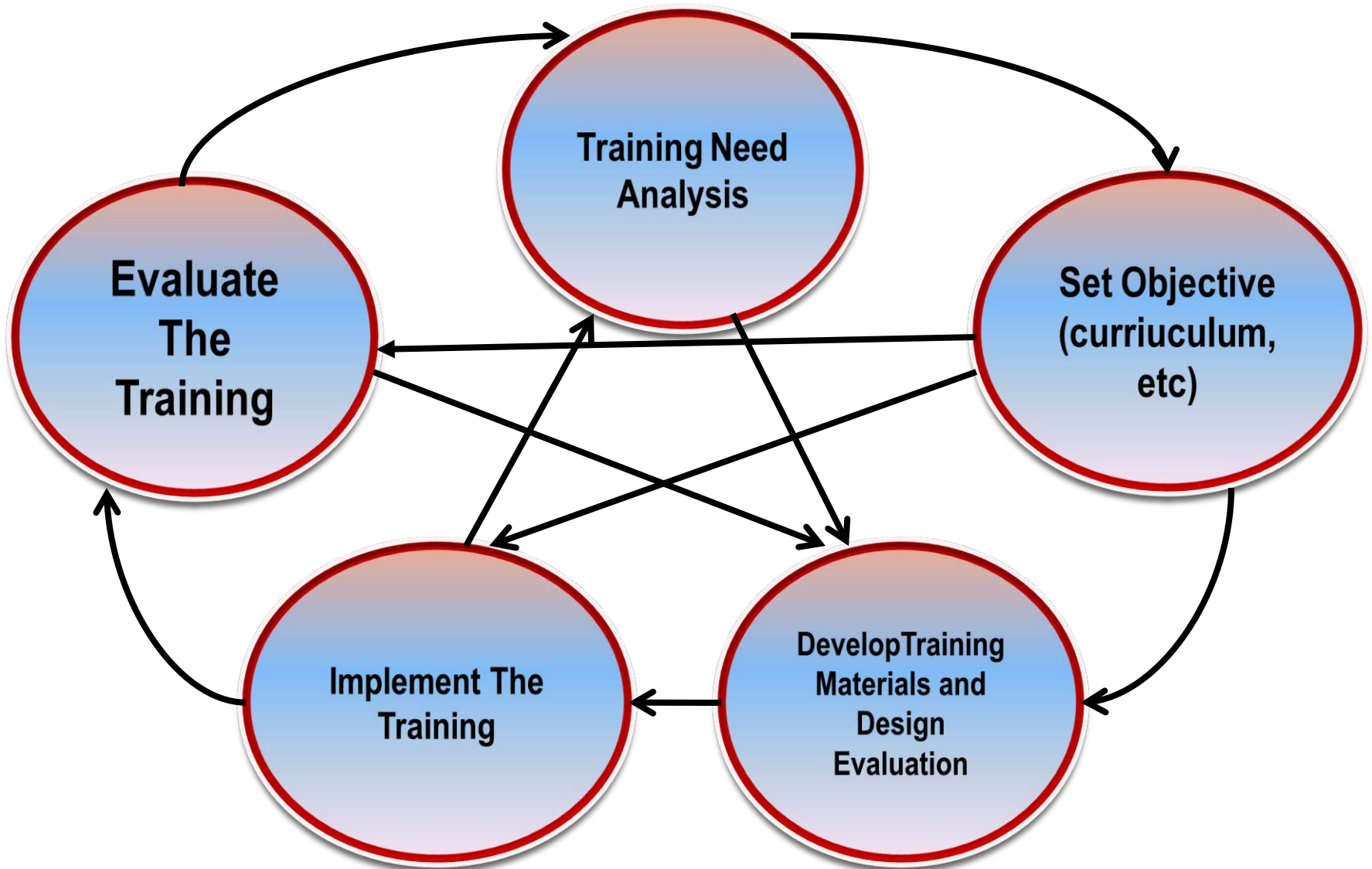
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Background

- Discrepancy in Agriculture Statistics

- Lack of human resources

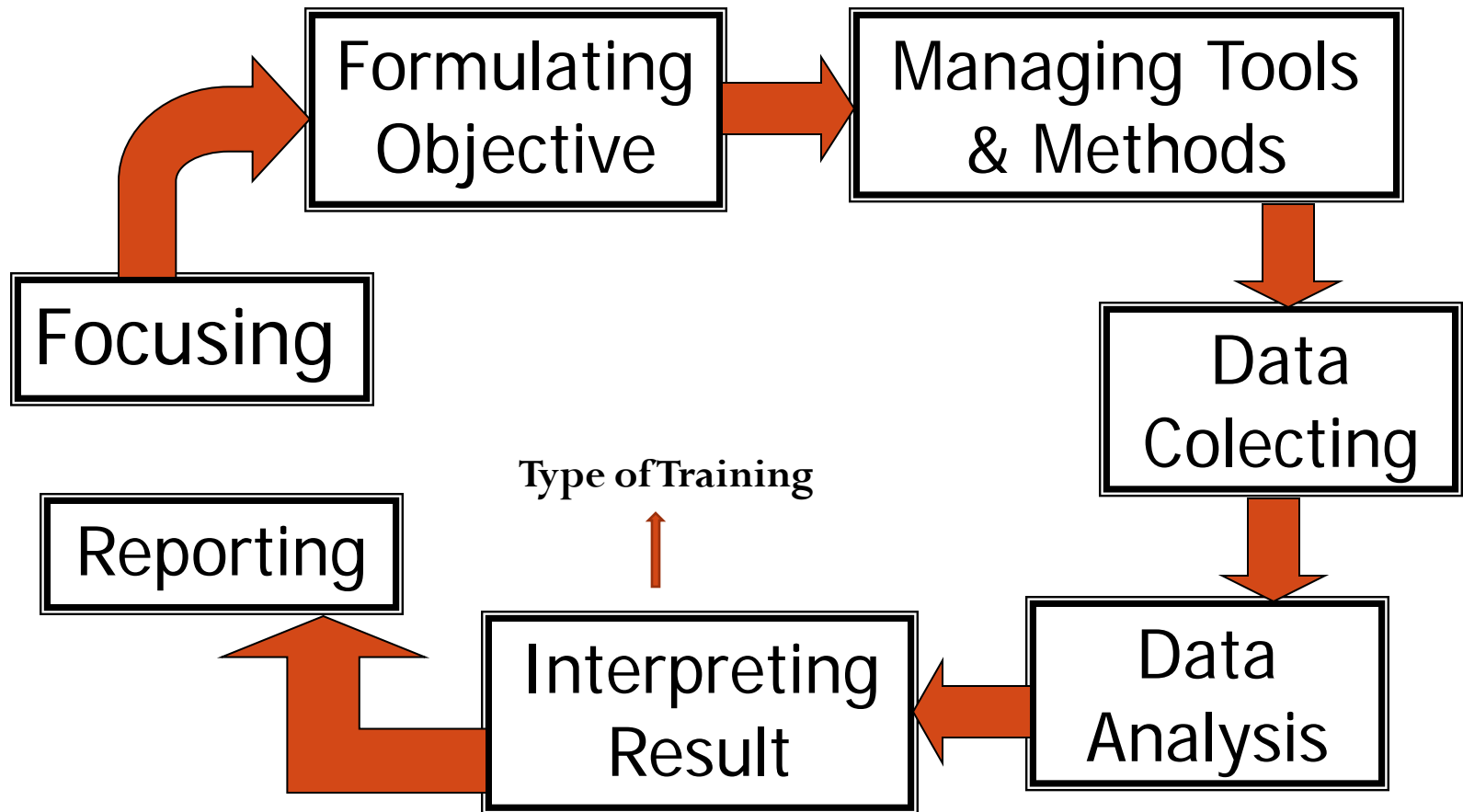- Awareness the importance of Agriculture Statistics

- Government Policy

A Process of Training System Activity

Training Needs Analysis (TNA)

Process of determining specific training needs required to meet a job-related to set of institutional, unit or individual goals

Step of TNA

Formulating Objective → Managing Tools & Methods → Data Colecting → Data Analysis → Interpreting Result → Reporting → Focusing → Formulating Objective

Type of Training

Core of Agriculture Statistics of BPS Statistics Indonesia

- Mainly focused on production statistics such as:
    1. Food crop
    2. Horticulture
    3. Plantation
    4. Animal Husbandry
    5. Fishery
    6. Forestry

Users:

No 1 - 4: Ministry of Agriculture

No 5: Ministry of Marine Affairs and Fisheries

No. 6: Ministry of Forestry

No 1 - 6: Privates

FGD

- FGD is conducted to ALL users
- Examples of Questions in FGD :
  - ✓ *What core of agriculture statistics do you need to support your job?*
  - ✓ *What core of agriculture statistics are the most important for you or your institution?*
  - ✓ *How do you use/analyze this core of agriculture statistics?*
  - ✓ *What kind of training do you need regarding agricultural statistics?*

Topics of FGD

Core of Agriculture Statistics	Knowledge	Skill
Food crop	Methodology to forecast production data	Regression Analysis Time Series Analysis
Horticulture	Methodology to estimate production data	Measuring production
Plantation	Methodology to estimate land area plantation	Skill to understand on how to convert number of tress to the area (in acre)
Animal Husbandry	Methodology to estimate the parameters on life stock	Skill to understand animal life cycle
Fishery	Methodology to estimate fishery production	Skill of dynamic population
Forestry	Methodology to estimate land area of forestry	Skill to understand on how to convert number of tress to the area (in acre)

Syllabus For Training on Core List of Agriculture and Rural Statistics

- Pre test

- Concept and Definition of Agriculture and Rural Statistics

- Methodology

- Statistical Tools (Regression Analysis, Time Series Analysis, etc)

- Exercises

- Field Trip

- Focus Group Discussion

- Seminar

- Post test

- Evaluation

STEP 3: DEVELOP TRAINING MATERIALS

- Identify if the training material will be in the form of hardcopy textbooks, online access, power point presentations, or a distance learning medium

- Solicit the expertise of a curriculum designer

- All aspects of the training materials must focus on the needs of business organization

- Include assessment section and critical thinking modules to reinforce learning

STEP 4: DEVELOP AND DESIGN EVALUATION MATERIAL

- Determine if the evaluation phase will be in the form of hard copy material or an on line assessment

- Evaluation areas includes:

1. Material content

2. Presentation

3. Class participation

4. Facilitator's knowledge of the subject matter

STEP 5: IMPLEMENT THE TRAINING

- Create a unique and comfortable learning environment
- Set up the training area with the appropriate materials
- Spot check your audio visual equipment
- Be in place to receive the participants
- Engage your audience to gauge their learning

STEP 6: EVALUATE THE TRAINING

- Explain the purpose of the evaluation

- Communicate that the evaluation is a chance for the participants to improve the quality of training for the program or future programs

- Encourage the audience to participate in the evaluation process

THANK YOU