Building Training Resources for Improving ARS:
Towards Country-Specific Minimum Set of Core Data

Theme V

Designing a Course & Syllabus for Training on Core List of ARS
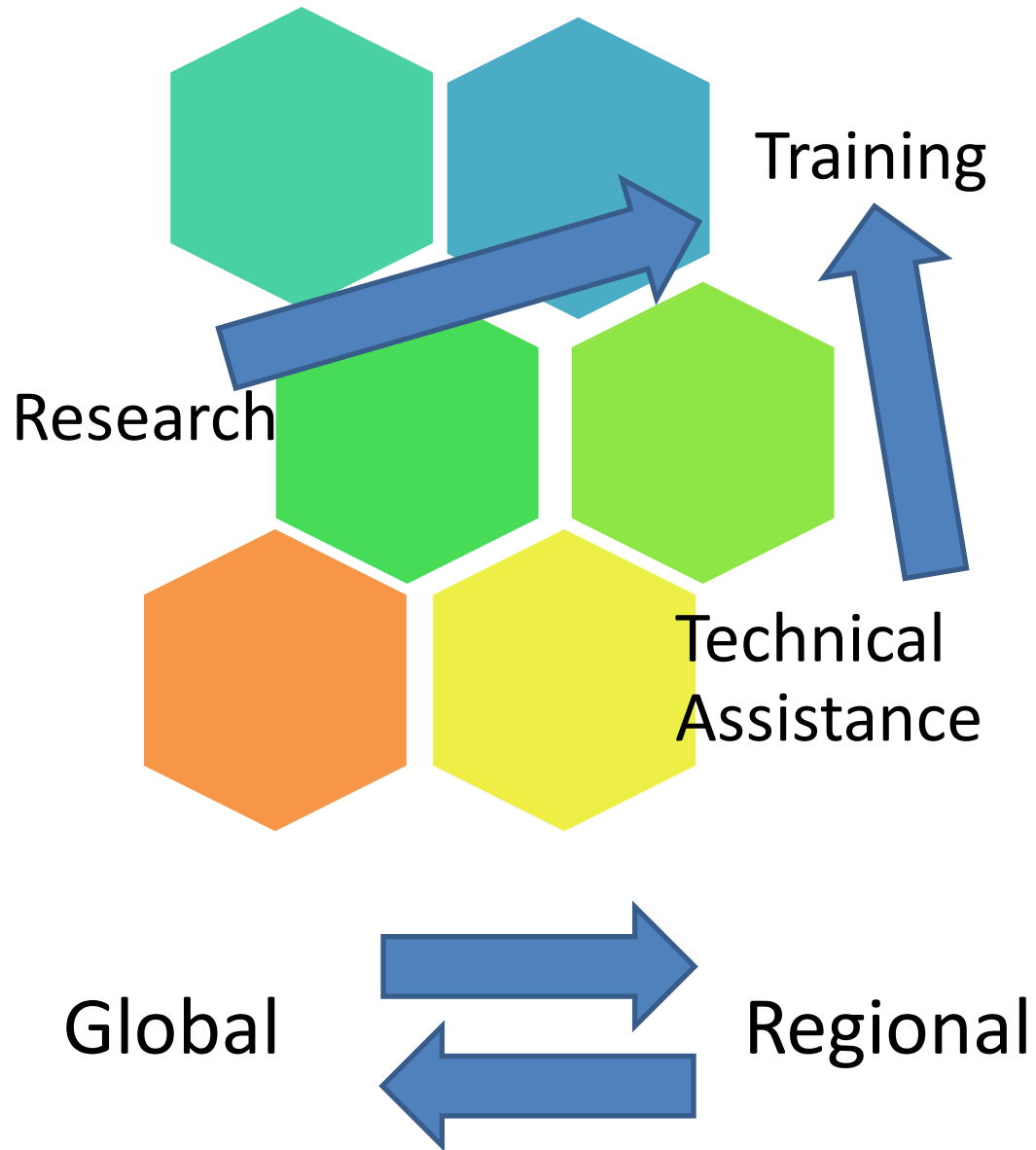
Session Objectives and Agenda

- Informing: the RAP training component
- Informing and comprehending: training design to support process of prioritising core list of indicators
- Applying: (Group Work) preparing a training plan for a training course on prioritising core list of indicators for a specified issue
- Analysing and evaluating: critiquing outputs of group work

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Informing

RAP TRAINING COMPONENT

RAP: Parts of a Whole

Training

Research

Technical
Assistance

Global ⇄ Regional

Training in Agricultural & Rural Statistics

Now

Limited

Sporadic

Weak linkages

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Training in Agricultural & Rural Statistics

Future

Expanded

Systematic

Coordinated

Sustainable

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Training in Agricultural & Rural Statistics

Now
Limited
Sporadic
Weak linkages

Future
Expanded
Systematic
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Sustainable

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Capitalize on Synergies

- **Country-driven**
  - Demand-driven rather than supply-driven
  - Based on *training needs assessment*
  - Integration within statistical system
- **Value-added of regional approach**
  - Regional goals and targets
  - Facilitate shared understanding among stakeholders
  - Create supply of training that address common needs
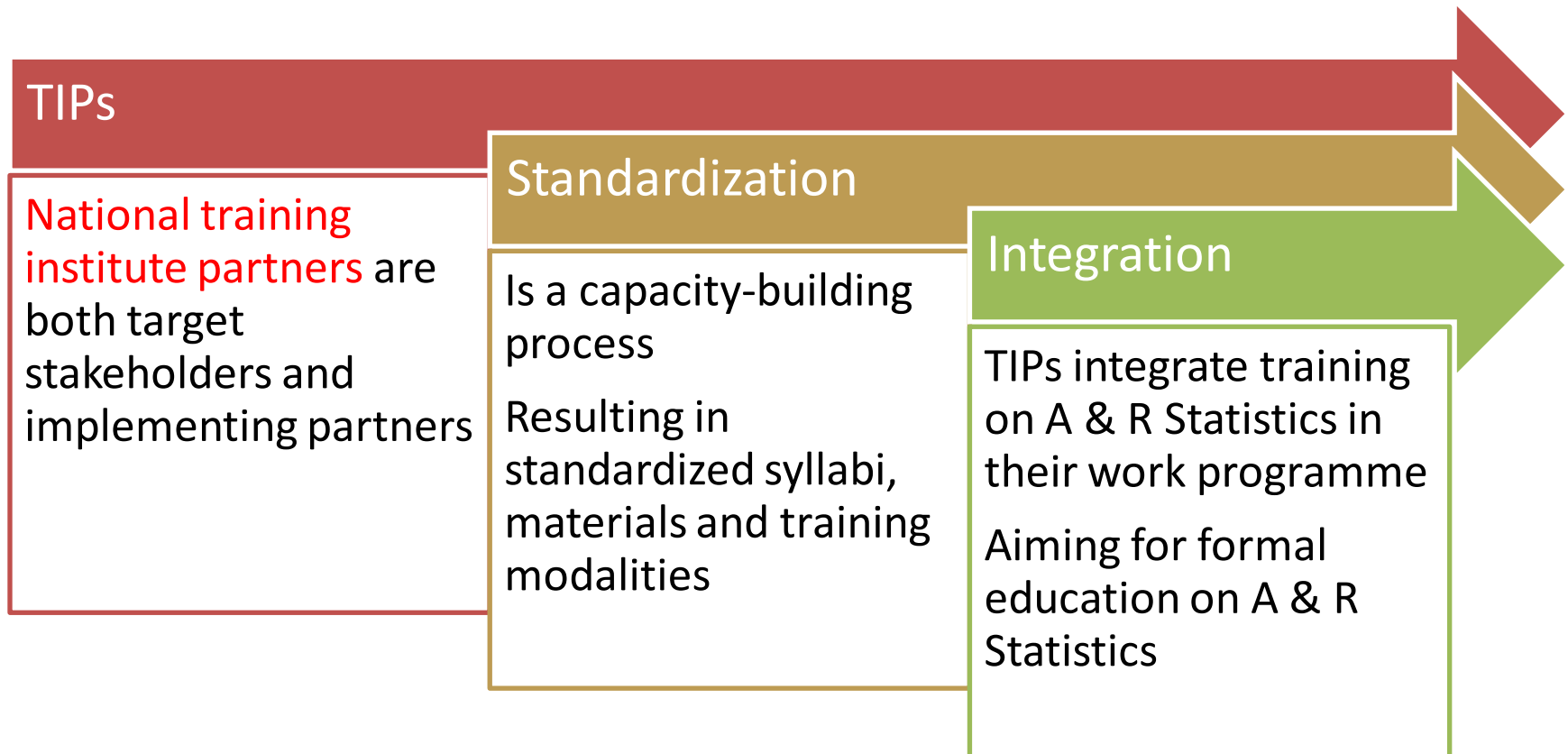 - Networking: coordination; South-South cooperation; knowledge sharing and management

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Differing Starting Points …

- in *Level of capacity* across countries and within countries

- in *Priority needs* for data, statistics and indicators

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Based on Country Needs

Statistical system assessments

Country action plans

(based on prioritised core list)

Training needs assessment

Aiming for **Sustainability**

TIPs

National training institute partners are both target stakeholders and implementing partners

Standardization

Is a capacity-building process

Resulting in standardized syllabi, materials and training modalities

Integration

TIPs integrate training on A & R Statistics in their work programme

Aiming for formal education on A & R Statistics

Training Objectives

Update knowledge

Improve skills

Institutionalise training

Core set of agriculture and rural statistics

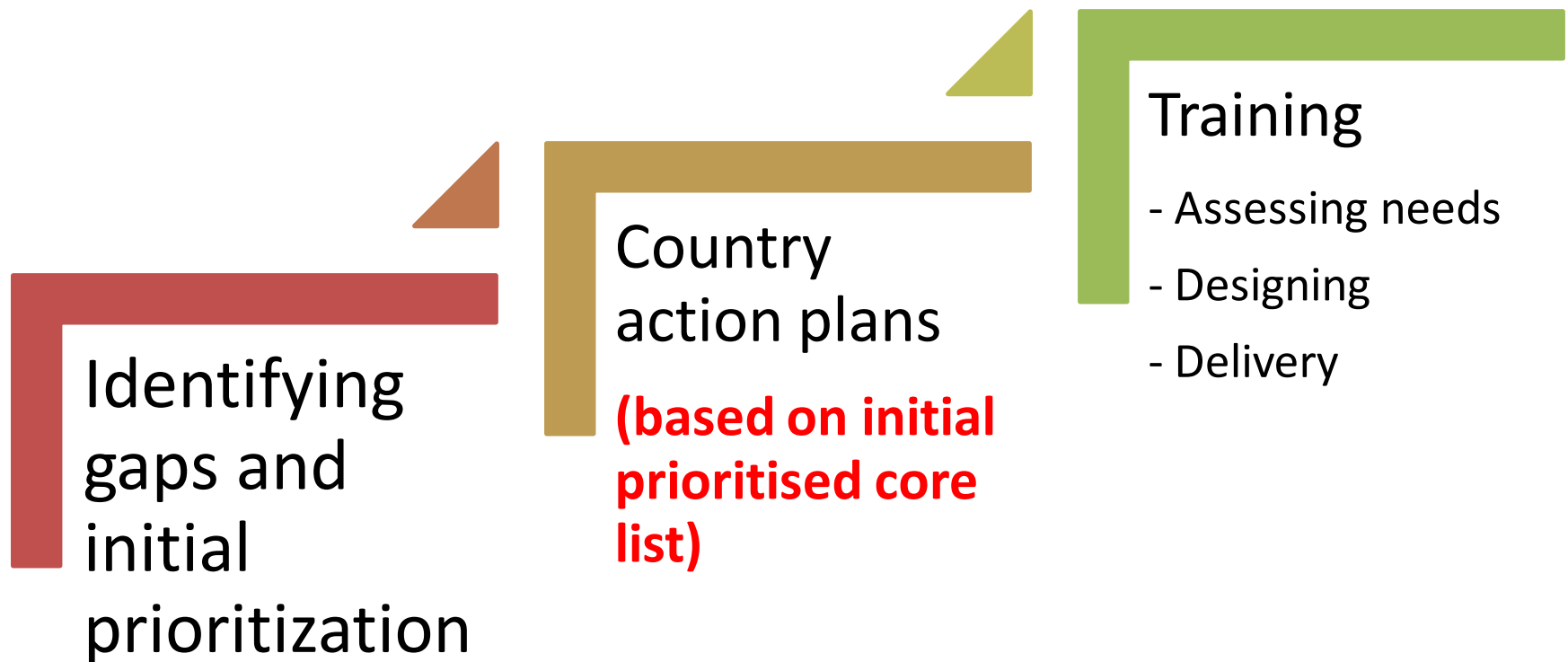Global Strategy
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Activities: Some Training Events

- Developing standardized training assessment tools

- Transforming guidelines and handbooks into standardized training materials

- Developing standardized training syllabus

- Conducting regional training-of-trainers: core set; basic statistical methods; data analysis

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Informing and Comprehending

TRAINING DESIGN IN SUPPORT OF PRIORITIZING CORE INDICATORS
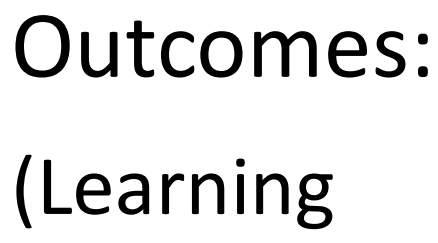
Towards a Country-Specific Core List of ARS Indicators

Identifying gaps and initial prioritization

Country action plans

(based on initial prioritised core list)

Training

- Assessing needs

- Designing
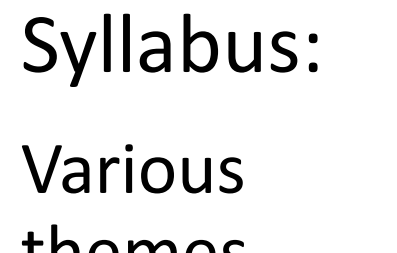
- Delivery

Towards a Country-Specific Core List of ARS Indicators: This Workshop (pages 5-16)

Objectives:
Related to RAP

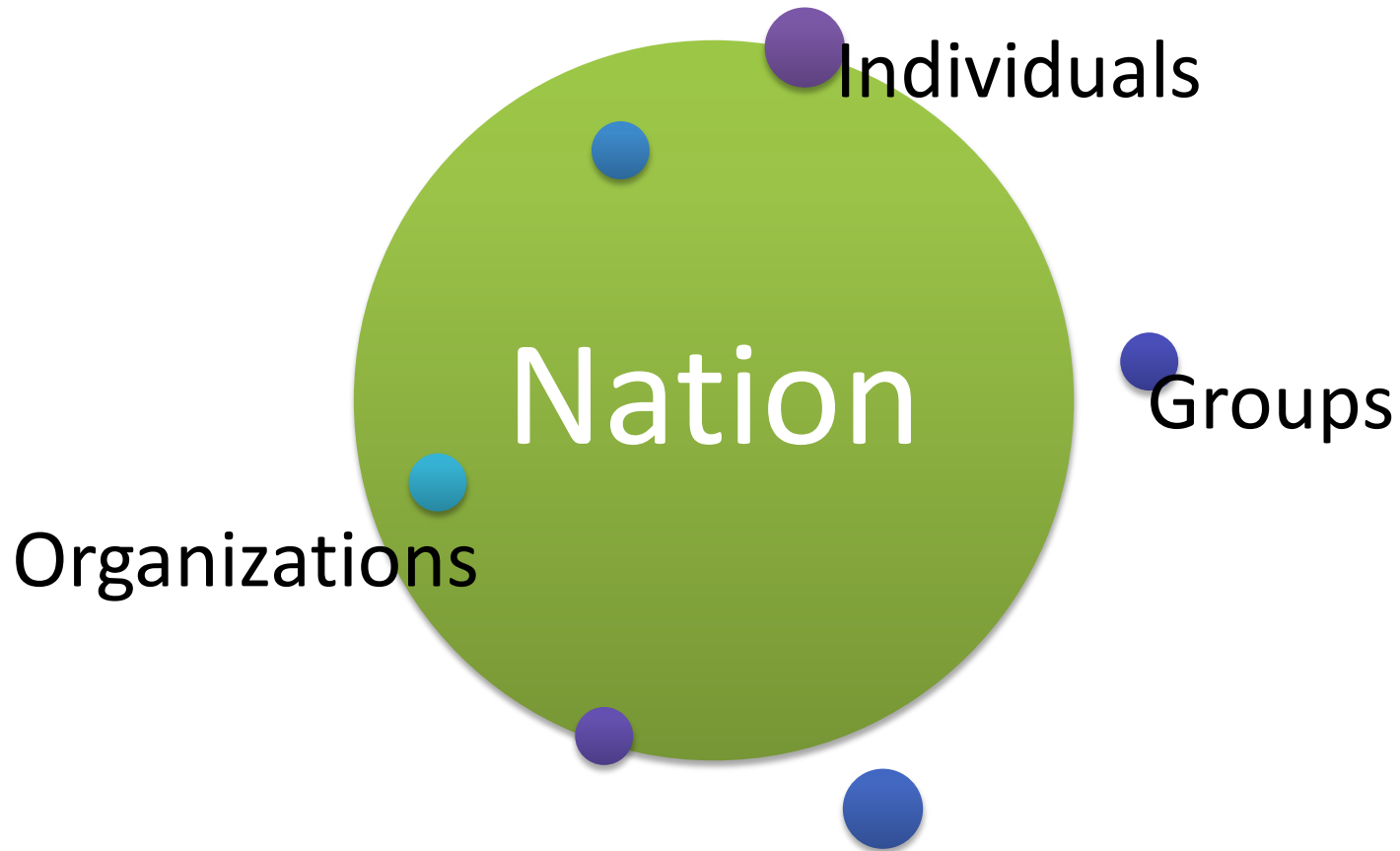## Outcomes:
(Learning Objectives)

Related to you

Syllabus:
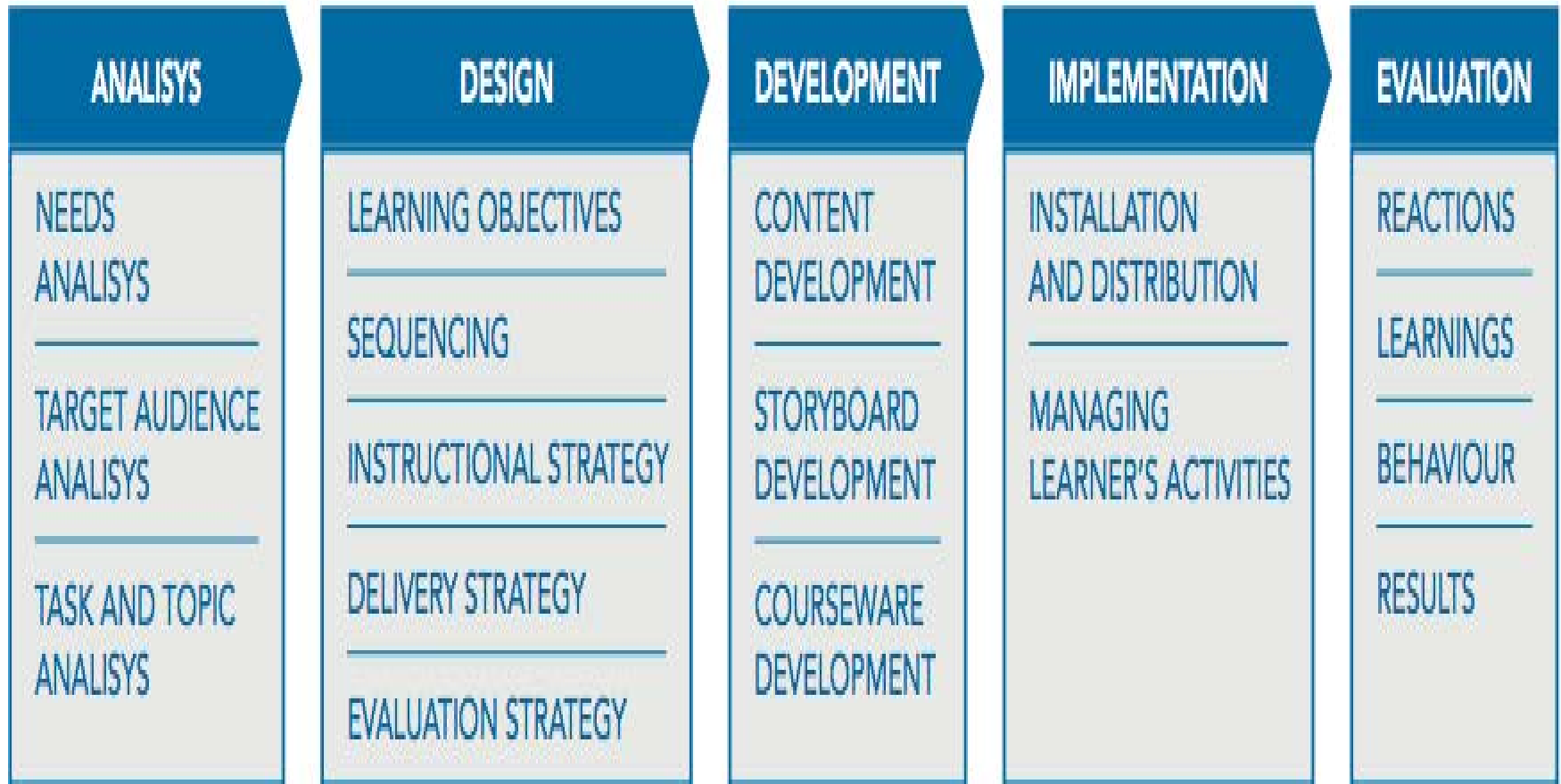Various themes contributing to achieving learning objectives

Workshop Outcomes

- Explain and discuss the underlying rationale of the minimum set of core data items on ARS

- Design suitable strategies and activities for supporting the process of identifying country-specific core data items

- Developing a training syllabus and training design for a course on the minimum set of core data items in support of identifying country-specific minimum sets
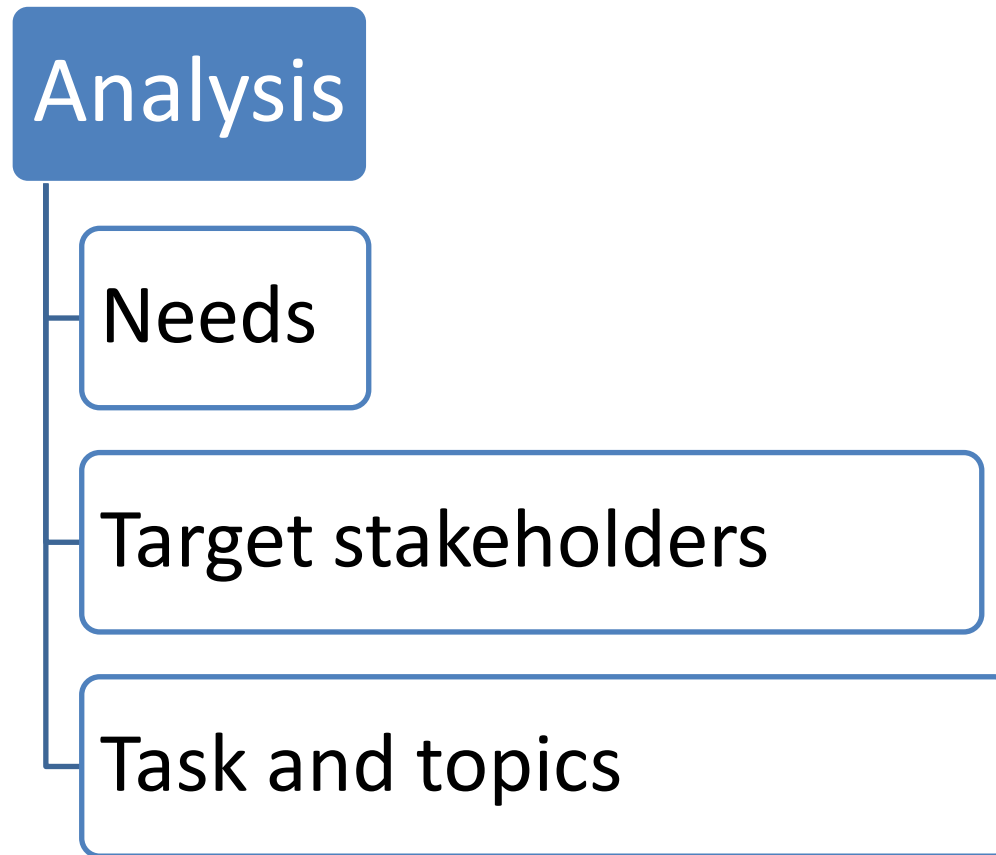
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Training for Whom on What?

Nation

Individuals

Groups

Organizations

Designing Training: ADDIE Model

ANALISYS	DESIGN	DEVELOPMENT	IMPLEMENTATION	EVALUATION
NEEDS ANALISYS	LEARNING OBJECTIVES	CONTENT DEVELOPMENT	INSTALLATION AND DISTRIBUTION	REACTIONS
TARGET AUDIENCE ANALISYS	SEQUENCING	STORYBOARD DEVELOPMENT	MANAGING LEARNER'S ACTIVITIES	LEARNINGS
TASK AND TOPIC ANALISYS	INSTRUCTIONAL STRATEGY	COURSEWARE DEVELOPMENT		BEHAVIOUR
	DELIVERY STRATEGY			RESULTS
	EVALUATION STRATEGY			

ADDIE Model: Analysis

Analysis

Needs

Target stakeholders

Task and topics

Stakeholders of Agricultural & Rural Statistics

Nation

Individuals

Groups

Organizations
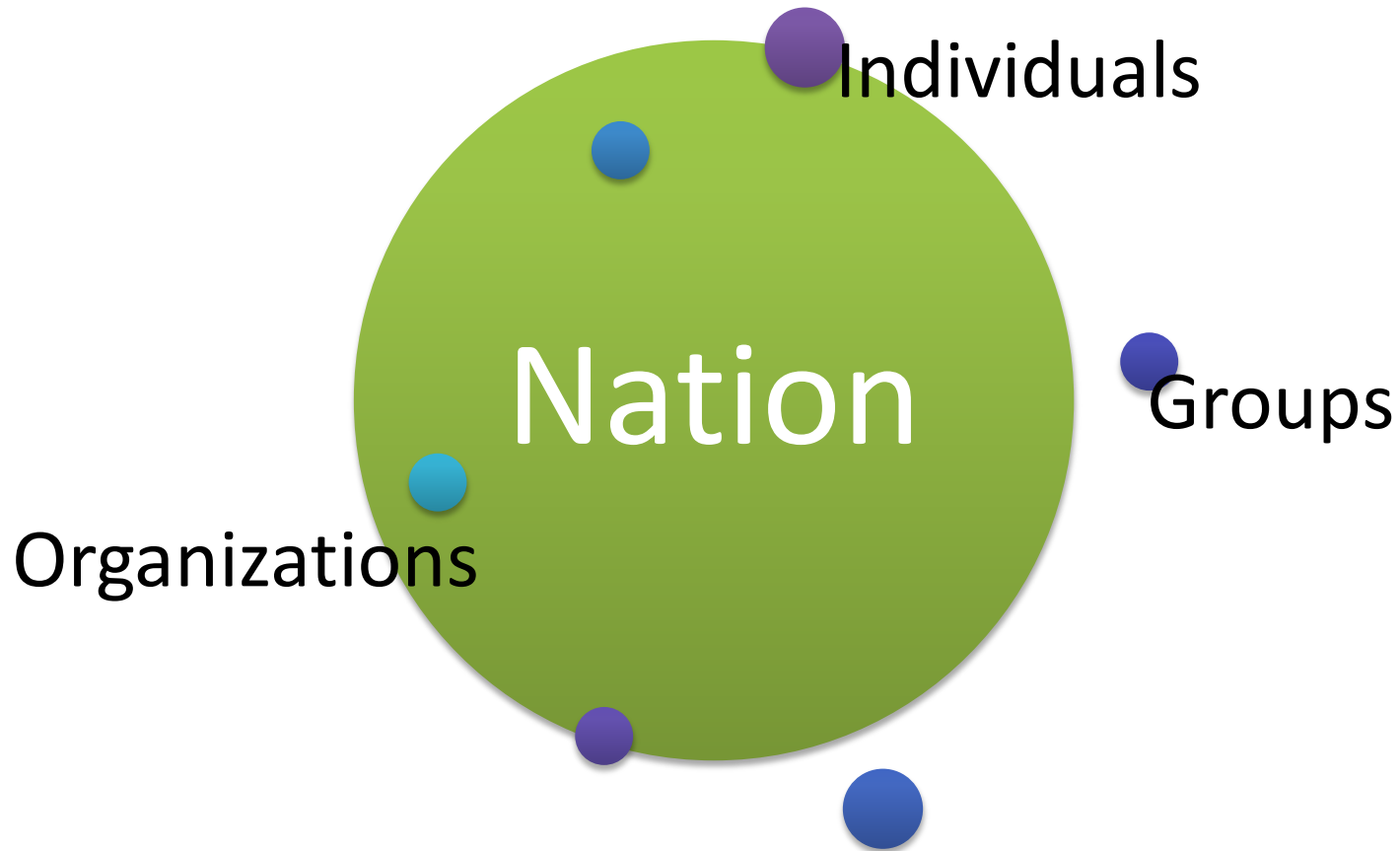
Stakeholder Needs

Area of concern and development issues

- Knowledge and understanding on concepts and interpretation of indicators relevant to the development issue

- Appropriate level of understanding of the core items, associated data and the statistical methods (and problems) that underpin the generation of the indicators

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A Note on Issues

- *In your group work reports under theme IV, you brought out many of the needs of the statisticians*

- *Statisticians are also stakeholders of this process*

ADDIE Model: Design

Design

- Learning outcomes/objectives
- Topics & Sessions
- Training strategy
- Delivery strategy
- Evaluation strategy

Theory Into Practice

- What do you want the trainee to be able to do? (Outcome)
- What does the trainee need to know in order to do this well? (Syllabus)
- What activity will facilitate the learning? (Pedagogy)
- How will the trainee demonstrate the learning? (Assessment)
- How will I, the trainer, know the trainee has done this well? (Criteria)

Learning Objectives Guide the …

- Selection of content

- Development of training strategy

- Development and selection of training materials

- Construction of tests and other instruments for assessing and evaluating

- Improvement of the course and the trainer

Learning Outcomes Formula

Verb

Or

Action Phrase

+ Why? **=** Great Learning Outcomes

In order to

"In Order To"

Why do they need to know this?

ACRL's IIL Immersion Summer 2005

Refer to …

- [Handout on writing learning objectives](#)

ADDIE Model: Evaluation

Evaluation

- Reactions
- Knowledge Learned
- Change in behaviour
- Impact on country core list

Designing Training: ADDIE Model

ANALISYS
- NEEDS ANALISYS
- TARGET AUDIENCE ANALISYS
- TASK AND TOPIC ANALISYS

DESIGN
- LEARNING OBJECTIVES
- SEQUENCING
- INSTRUCTIONAL STRATEGY
- DELIVERY STRATEGY
- EVALUATION STRATEGY

DEVELOPMENT
- CONTENT DEVELOPMENT
- STORYB...

IMPLEMENTATION
- INSTALL...

EVALUATION
- REACTIONS
- ...NINGS
- BEHAVIOUR
- RESULTS

Example:
User-producer dialogue
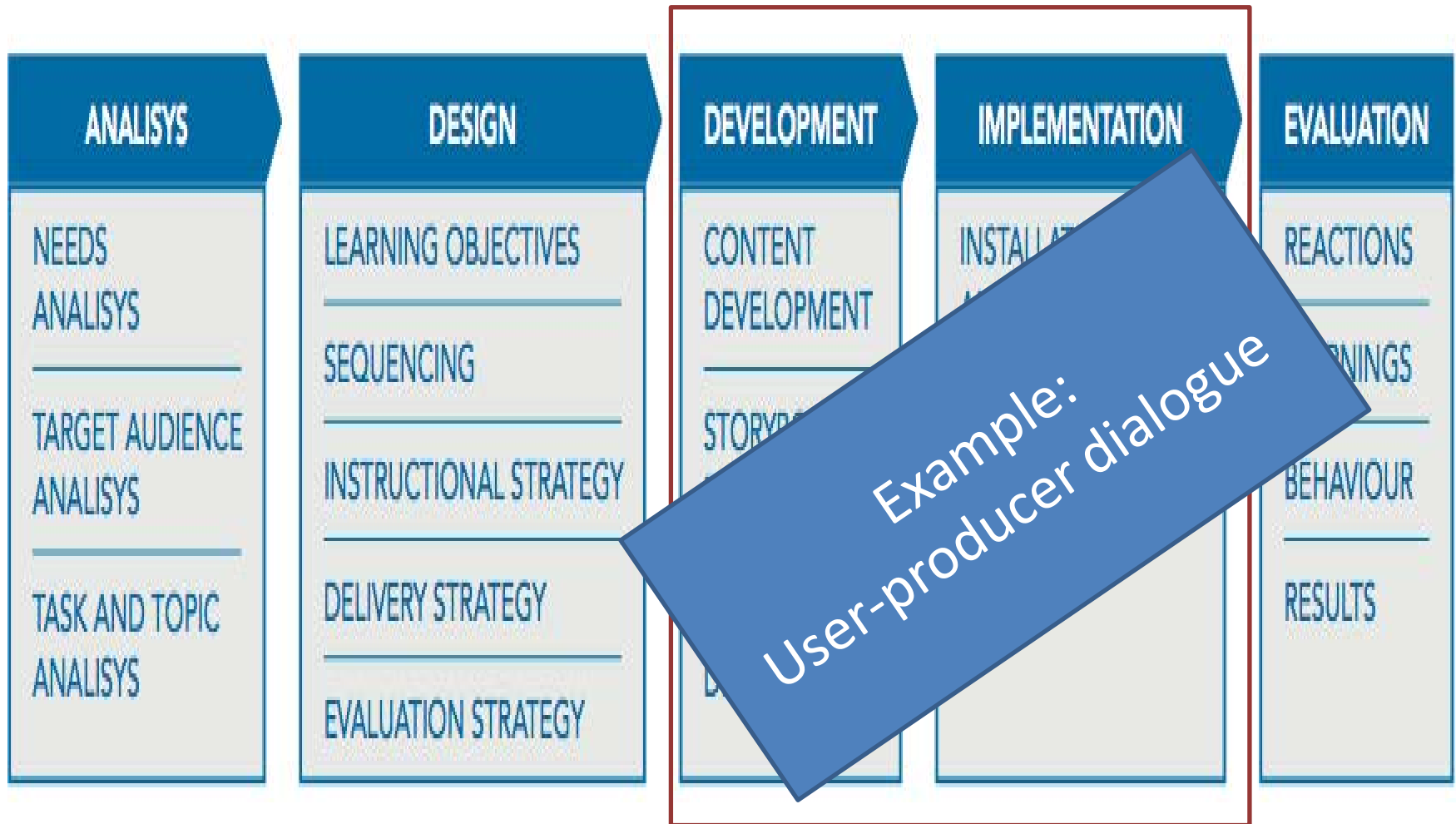
This Workshop Design

Applying, analysing and evaluating

GROUP WORK

Refer to:

- Results of Group Work of Themes III and IV
- [Example of Training Plan](#)
- [Group Work Instructions](#)

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Issues

- Issue 1- Food security

- Issue 2- Gender equality in education

- Issue 3- Agriculture and the environment

- Issue 4- Agriculture production

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Groups

- Group A (Issues 1 & 2): Bangladesh, Bhutan, Thailand

- Group B (Issues 3 & 4): Philippines, Samoa, Indonesia

- Group C (Issues 1 & 3): Lao PDR, Sri Lanka, Viet Nam (Ms Nguyen)

- Group D (Issues 2 & 4): Rep of Korea, Malaysia, Viet Nam (Mr Le)

Let's start the group work and see you tomorrow!