

S9: Digital Agri-Business Ecosystem Digital Agriculture Extension Services Support System

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INTRODUCTION

- The major problem small scale farmers face is access to information
- We can use mobile technology and permaculture to start solving hunger problems in Africa
- This can be done by setting up a Digital Agriculture Extension Services Support System (**DAESS**) for sustainable growth of the agriculture sector in Africa

A 100%

Need to increase agricultural output by 100% just to meet the food requirements for this burgeoning population.

B 53%

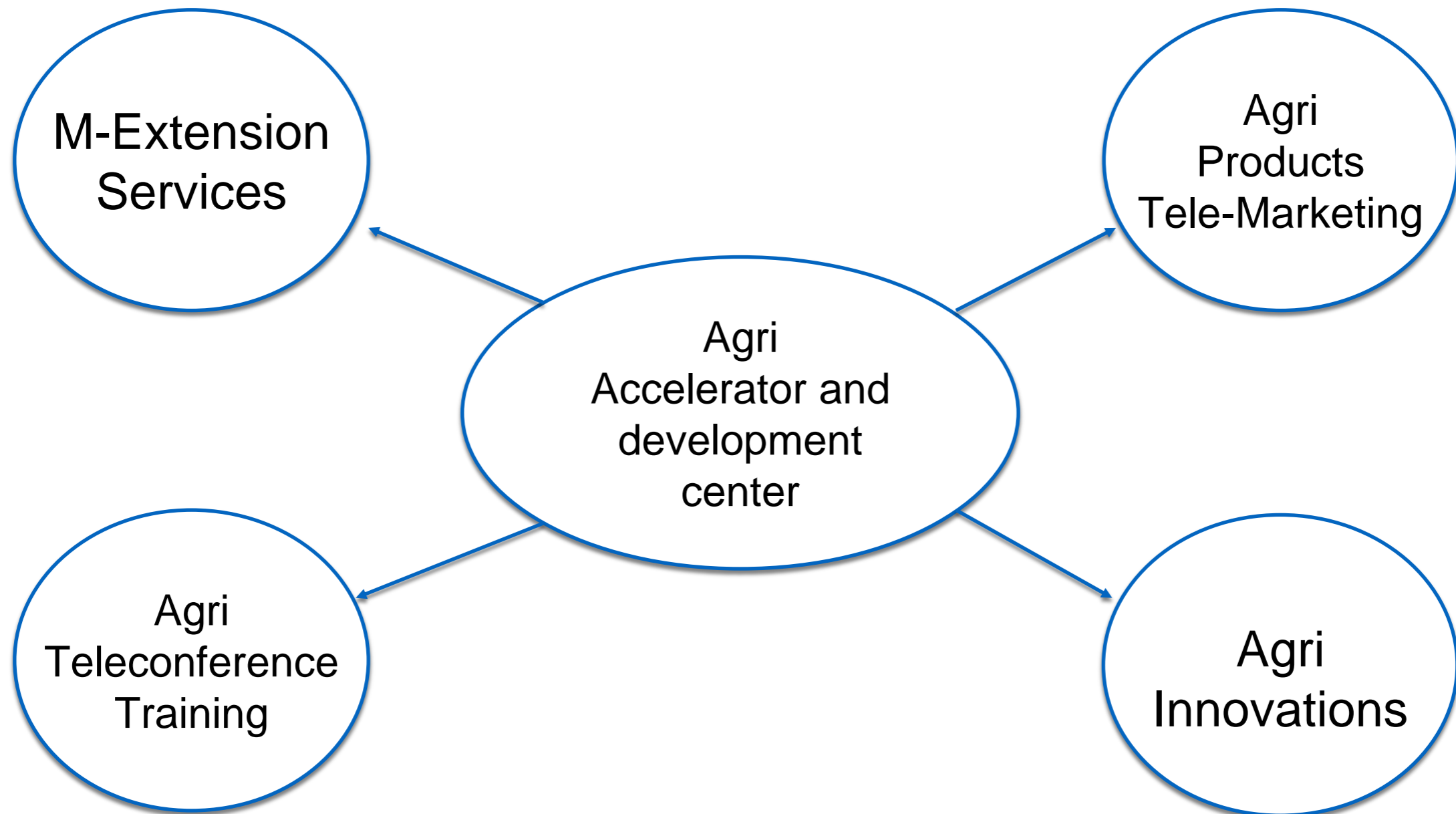
Family farms constitute over 98% of all farms, and work on 53% of agricultural land

C 46%

Mobile penetration in Africa in 2016



HOW IT WORKS: THE DAESS MODEL



COMPONENTS OF DAESS

1. A contact center which can be used:

- To support farmers
- As an early detection and warning system
- Tele-marketing Agri-products

2. Tele- training center:

- Develop farmer capacity by connecting multiple farmers to a trainers via audio conferencing

3. Africa Farmer Information Management System

- Generate and manage big data collected from farmers, extension workers and agriculture research institutions
- The data to be used to drive innovations, research and development

4. Knowledge base

- This is a content hub of information regarding agriculture in Africa.

5. Makers room

- Developing technical solutions for permaculture thereby spurring innovations and new business opportunities
- PermaTech solutions developed by entrepreneurs and inventors from the accelerator



DAESS ECO-SYSTEM

DAESS

**TECHNO
LOGY
IMPLEMENTA
TION
PARTNERS**

**GOVT
AGENCIES**

FARMERS

**AGRICULTURE
RESEARCH
INSTITUTIONS**

**Extension
Agents**

**FINANCIAL
PARTNERS**



Would you like to help
solve the hunger
problems in Africa?

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