

Clean Cooking and waste to energy



Basics clean cooking concepts

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In this video you will learn:

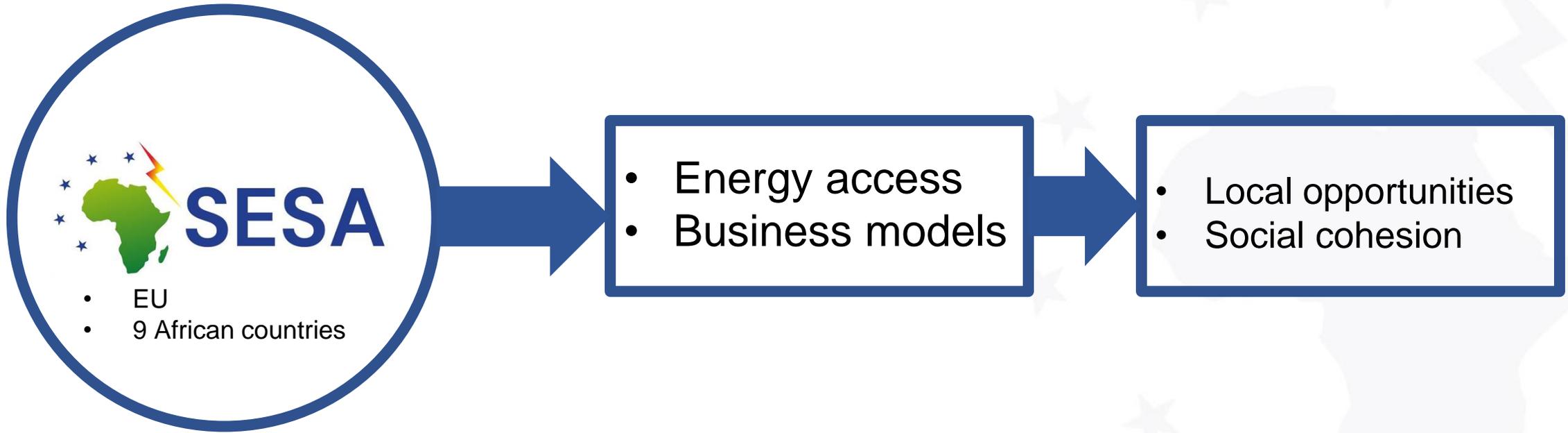
- SESA Project
- Brief presentation of the course. Lessons
 - Basic clean cooking concepts:
Anaerobic Digestion



SESA PROJECT



Smart Energy Solutions for Africa (SESA)



THE COURSE

Presentation of the course

Activities:

- **Lesson 1:** Treatment of Organic Waste: Anaerobic Digestion
- **Lesson 2:** Sourcing and production of waste-to-energy system
- **Lesson 3:** Technology options for clean cooking solutions
- **Lesson 4:** Installations, operations, maintenance for Biogas systems
- **Lesson 5:** Installations, operations, maintenance for efficient cook stoves
- **Lesson 6:** Safety for clean cooking solutions
- **Lesson 7:** Business models and delivery models for clean cooking solutions
- **Webinar:** Open discussion with policy makers and businesses on the potential of waste-to-energy

BASICS OF CLEAN COOKING

Clean Cooking

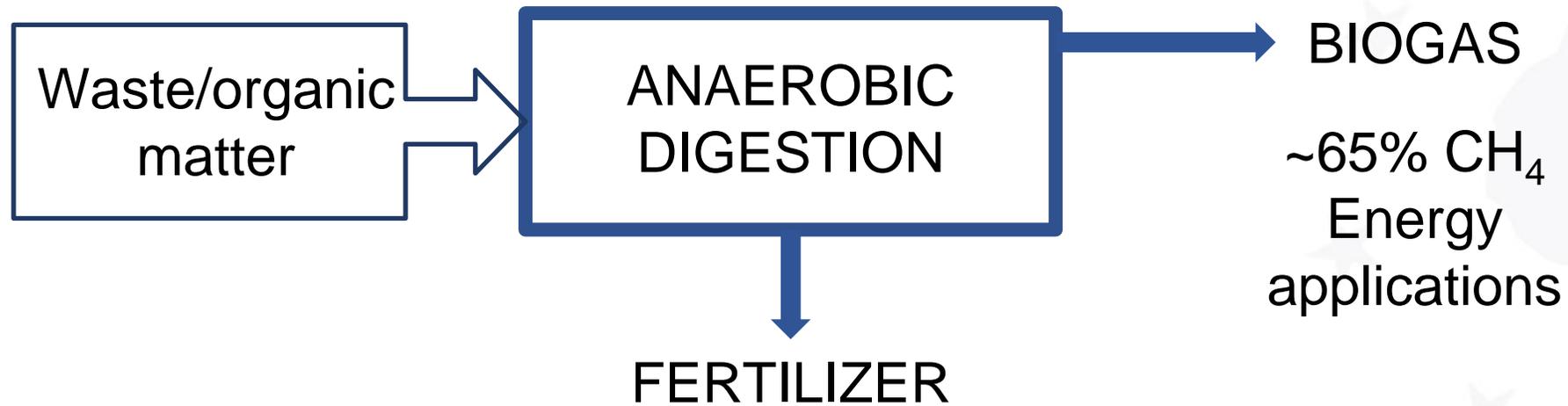
Concept of clean cooking:

Use modern stoves and biofuels instead of traditional fuels and stoves.

Impacts:

- Lower emissions, taking care of environment
- Improving lives, healthy solutions.
- Users are saving time and money

Anaerobic Digestion (AD)



Anaerobic Digestion (AD)

Main advantages of substitution:

- Valorization of waste
- No logistic required
- Elimination of bad smells and diseases
- Production of high quality fertilizer
- Social development in rural areas

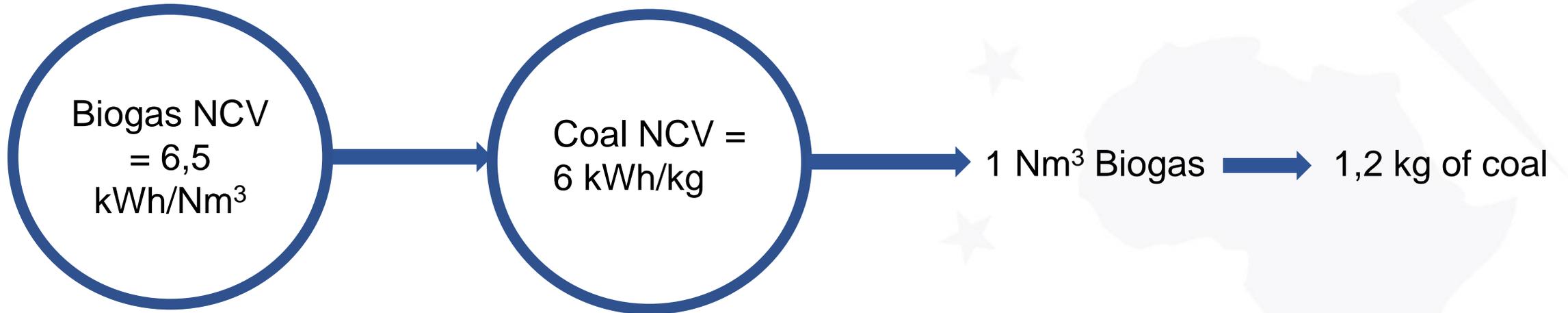
Stoves

Designed to reduce the amount of polluting and harmful fuels that households use every day

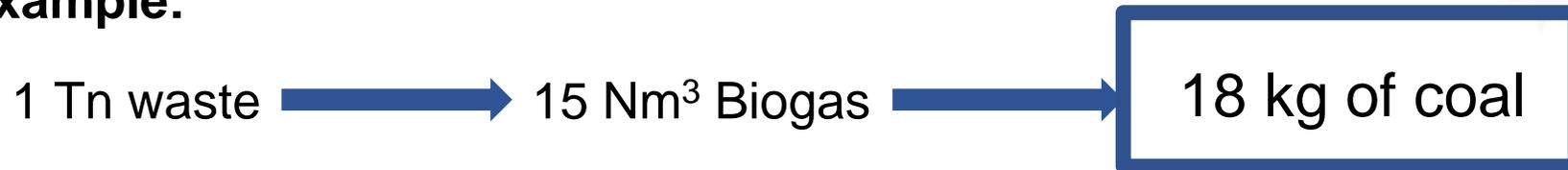


Clean Cooking

Net calorific value (NCV) of biogas. Biogas vs traditional fuel



Example:



THANK YOU

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