

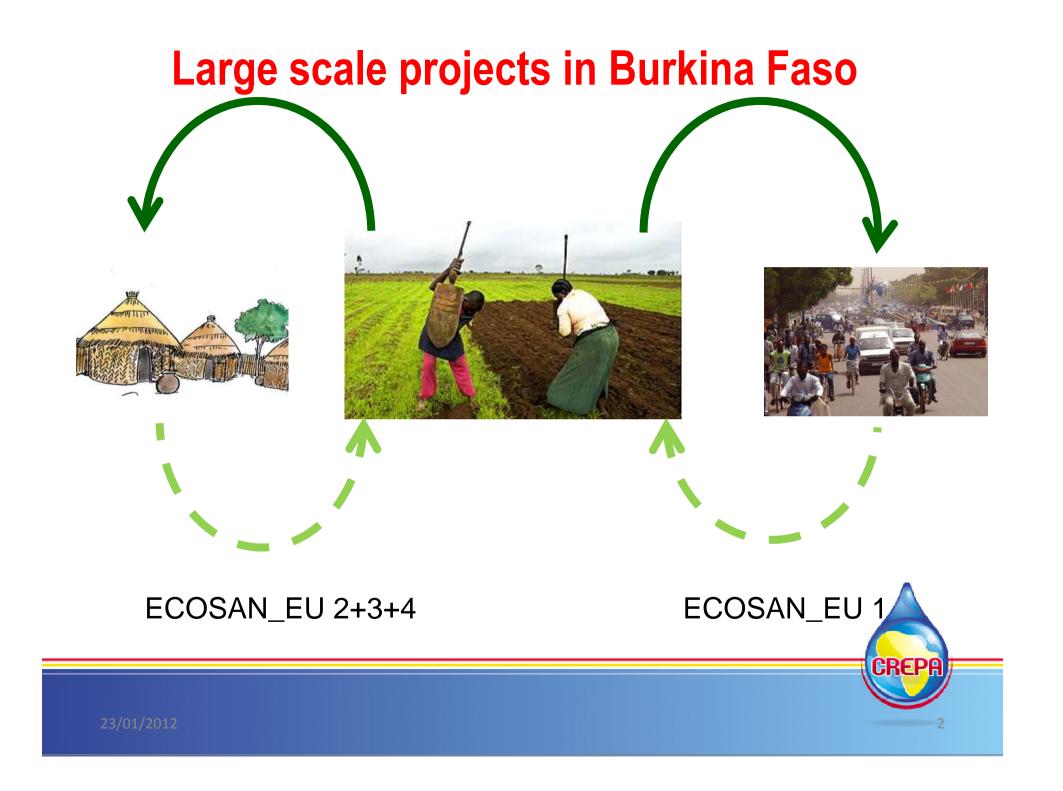
Agriculture as a Driver for Sanitation

CREPA's Experience (Burkina Faso)

Presented by Lucia Henry

20 July 2011 Seminar at AfricaSan3 (Kigali, Rwanda) on Linkages between Agriculture and Productive Sanitation: Scaling up Ecosan in Africa

http://www.susana.org/lang-en/meetings/side-events/173-side-events/572-july-2011seminar-at-africasan3-by-sei-on-behalf-of-susana





23/01/2012

Base 802456 (A01009) 3-96

Overview

- 1. 2 EU (Food Facility) funded projects (EU₂ and EU₃)
- 2. Linking agriculture with sanitation
- 3. Agriculture used as a driver for sanitation
- 4. Appropriate in communities where subsistence farming is high
- 5. Hurdle: making the practice of reuse of excreta acceptable



EU_2: Improving agricultural production in 30 villages in Kourittenga by using sanitized excreta as fertilizers

- EU food security funding (Food Facility)
- 3 years (March 2008 August 2011)
- €1,5 million
- Kourittenga one of the most densely populated provinces in Burkina Fas0
- Very poor soils

Objective:

Integration of EcoSan and soil and water conservation techniques to improve food production in 30 villages

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EU_3: Reducing food insecurity in 24 villages in centraleast and west by using sanitized excreta as fertilizer

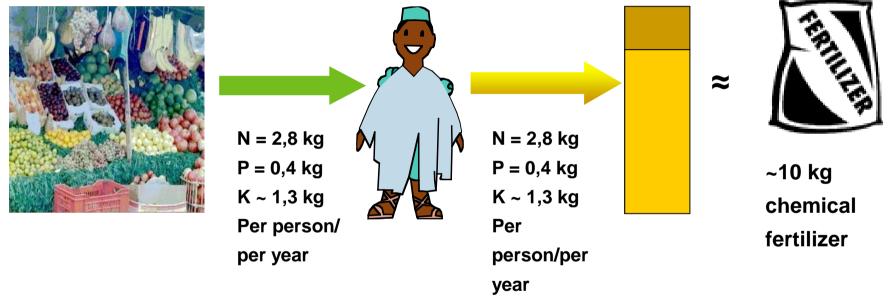
- EU food security (Food Facility)
- 22 months (January 2010 Oct 2011)
- €2,1 million
- 3 provinces (Boulgou, Boulkiemdé & Sanguié) in Burkina Faso
- Impoverished and vulnerable populations (rising costs of food)
- Very poor soils

Objective:

Use of EcoSan fertilizers to increase agricultural productivity and decrease food prices in 24 villages

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NPK content in excreta

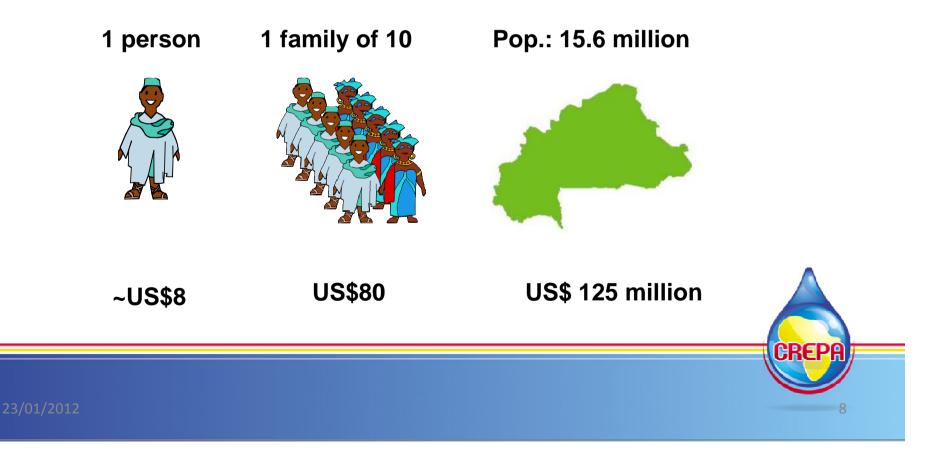




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Bottom line: economics





Main Activities

Sensitisation sessions for target groups and local authorities Construction/ installation of urinals and EcoSan latrines for the collection and sanitization of human excreta Train, using practical and participative approaches, farmers and other actors in the target area, on the EcoSan approach

Conduct agronomic tests on cereals and market crops with beneficiaries



Training of farmers with supervision from Agricultural Extension Workers



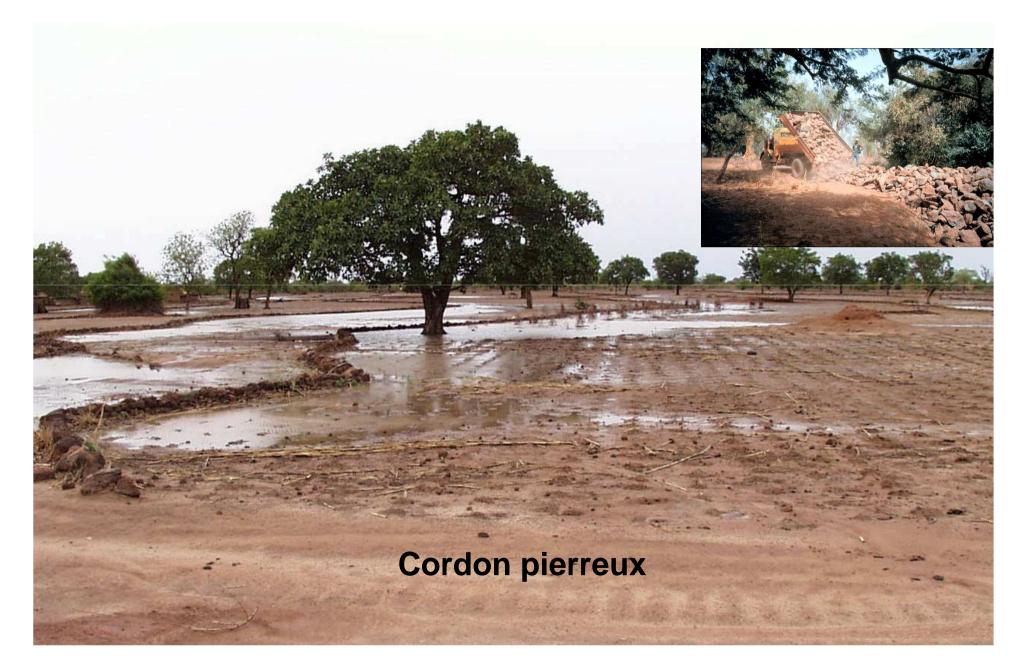
Training of farmers with supervision from Agricultural Extension Workers Indigenous Water & Soil Conservation (CES) Techniques



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Water & Soil Conservation (CES) Techniques



Sensitization of communities







Results

- 1. Adoption of EcoSan approach by communities
 - Interesting developments
- 2. 1050 (EU_2) and 1648 (EU_3) sanitation facilities constructed
- 3. Trained: 1300 farmers (EU_2); 2500 farmers (EU_3)
- 4. Comparable (and larger yields) of food crops
- 5. Effect on soil
 - Urine: helps maintain N levels
 - Feces: increases SOM, increases P levels, decreases acidity



Urine





Urine







Control

Way Forward

- 1. Main problems associated with scaling up and incorporation into agriculture policy:
 - Buy-in and adoption at national level
 - High turnover of staff (problems with continuity)
- 2. Repackage in a way that appeals to national government
 - All evidence exists...next step extract and repackage
- 3. Integration with other sanitation approaches



Thanks for Your Attention

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