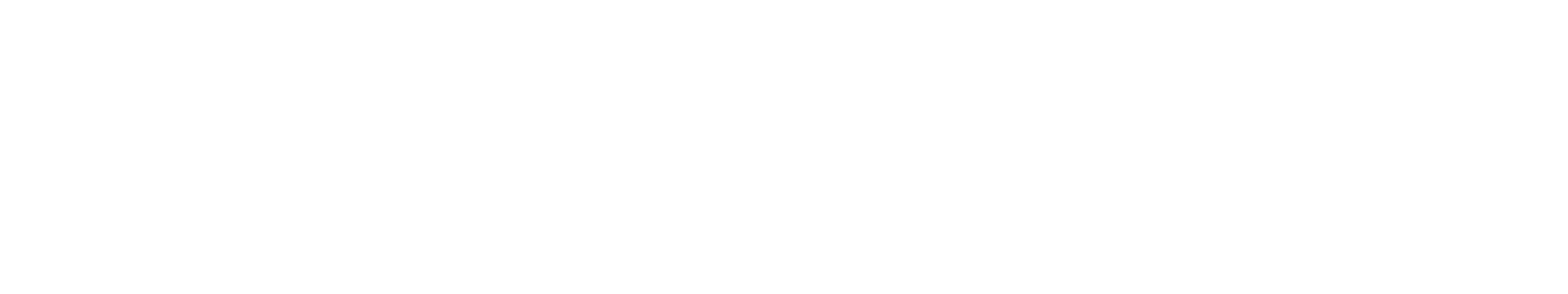




Bola Bondeh project: Compost production from waste water

UN World Water Day
Presentation 23 March 2017
Accra - Ghana



Challenges in fecal sludge in Accra

Ocean dumping of human waste water, more than 160 trucks a day



Slamson has a solution



Sludge to dried matter into compost

- Dewatering fecal sludge with polymer
- Effluent water in lagoon and ocean
- Drying “solid fraction” (for 6 days on drying bed)
- Making compost by adding other feedstock (4 weeks)



Project description

The WASH project provides add-ons to the water treatment, by:

- Improving collection
- Composting the solid fraction of the human waste water and
- Promoting the use of this compost among Accra peri-urban farmers and citizens

All the components of project

- Collection
 - Better emptying of septic tanks (m/c of trucks, workshops for truckers)
 - Reduced illegal dumping (GPS tracking and cameras)
 - Call center (order truck and compost, reporting illegal dumping, complain)
 - Separate urine collection (adding to compost)
 - Industrial bi-products as feed stock (wood ash, sawmill dust, rice chaff)

Composting

- 40m³ dried sludge a day from Slamson
- Covered concrete platform
- Mixing the ingredients plus micro-organisms
- Frequent turning (30 days)
- Bagging (800 bags a day) of compost fertiliser



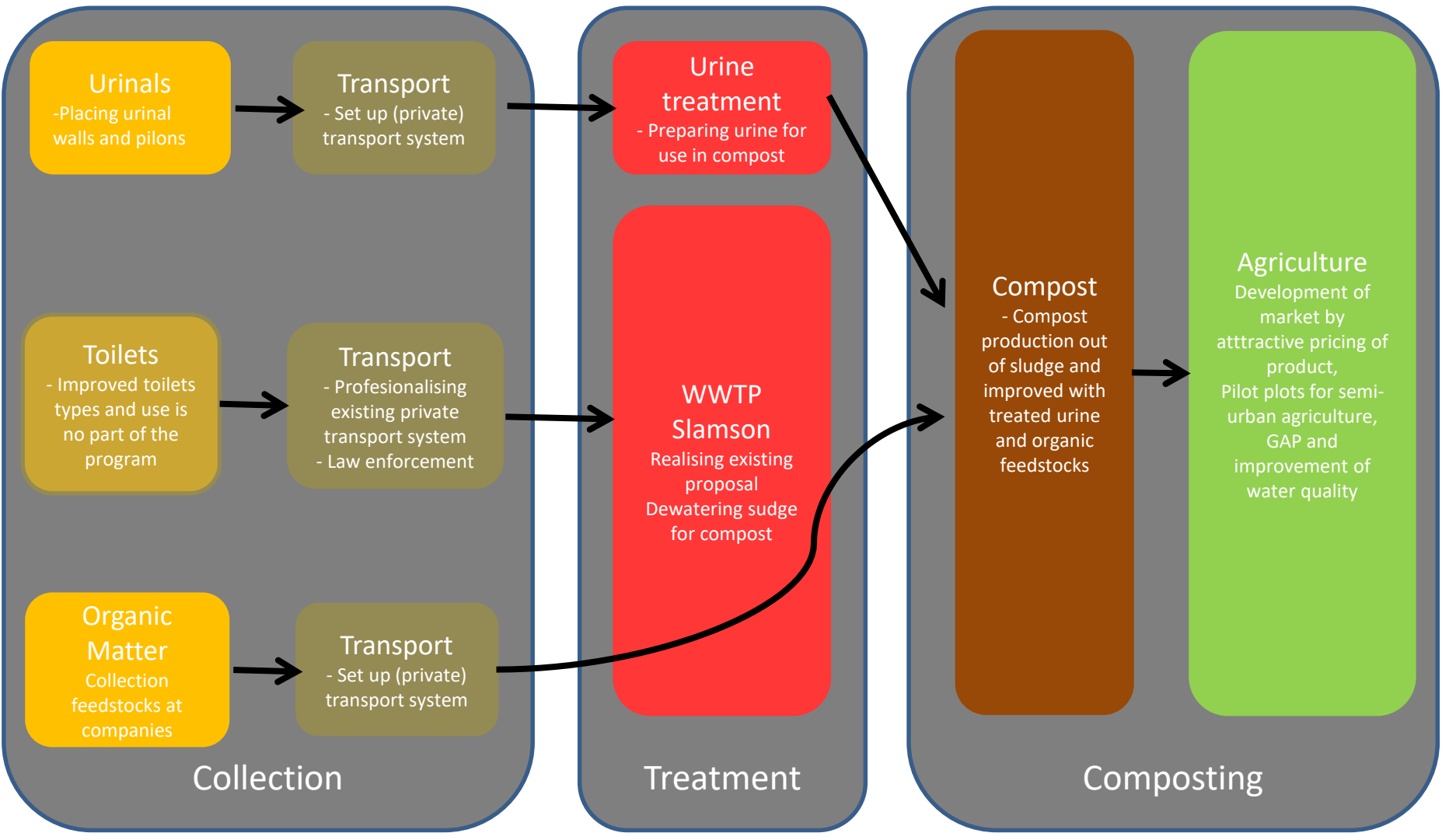
Developing markets

- By:
 - Green-Gro
 - The License Buying Companies (cocoa)
- For:
 - Greater Accra vegetable farmers (Green Label)
 - Gardening, landscaping (Accra)
 - Pineapple farmers
 - Cocoa farmers
 - Mine reclamation



Stimulate entrepreneurs in Accra

- Collecting waste and urine
- Trucking feedstock
- Selling compost
- Call center
- Better farming

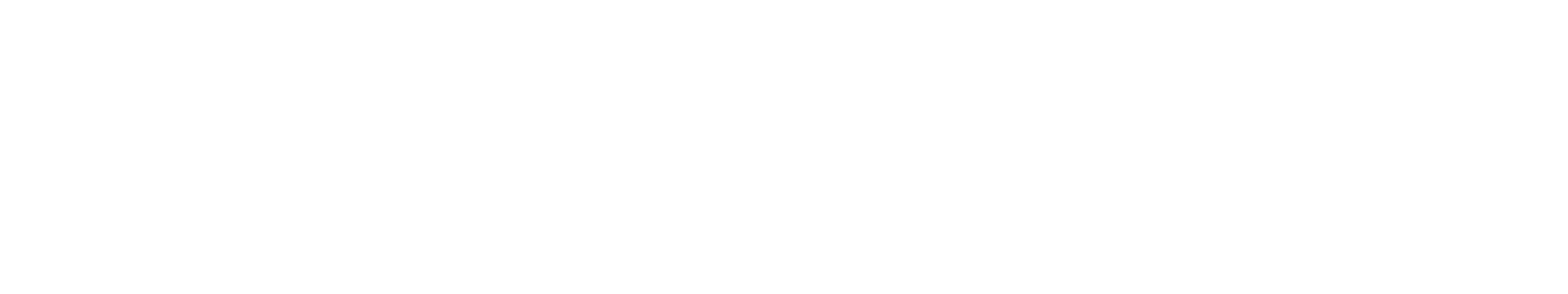


Treatment plant from West side



Treatment plant from East side





SLAMSON

GHANA LTD



Green-Gro Ltd.
gro *ganic*

ORGANIC FERTILIZER, ORGANIC PEST CONTROL,
LANDSCAPE DESIGN & CONTRACTING

WaterFocus

Bola Bondeh

turning waste into compost

AGRO ECO
LOUIS BOLK
INSTITUTE

the natural source of knowledge



Netherlands Enterprise Agency

MINISTRY OF FOREIGN AFFAIRS OF DENMARK
DANIDA | INTERNATIONAL
DEVELOPMENT COOPERATION

