

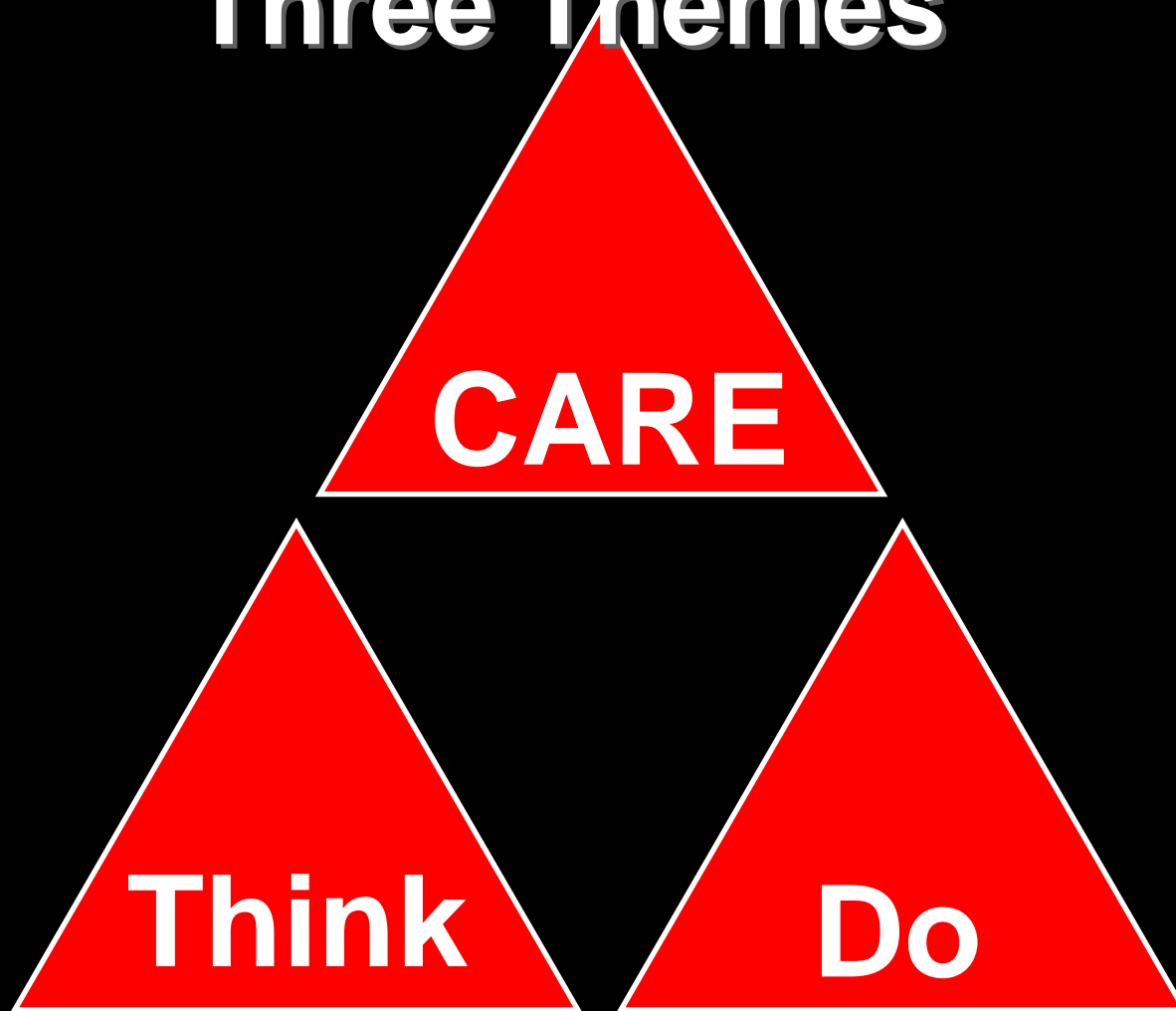
Engineers without Borders

June 26th, 2009

ACEC



Three Themes





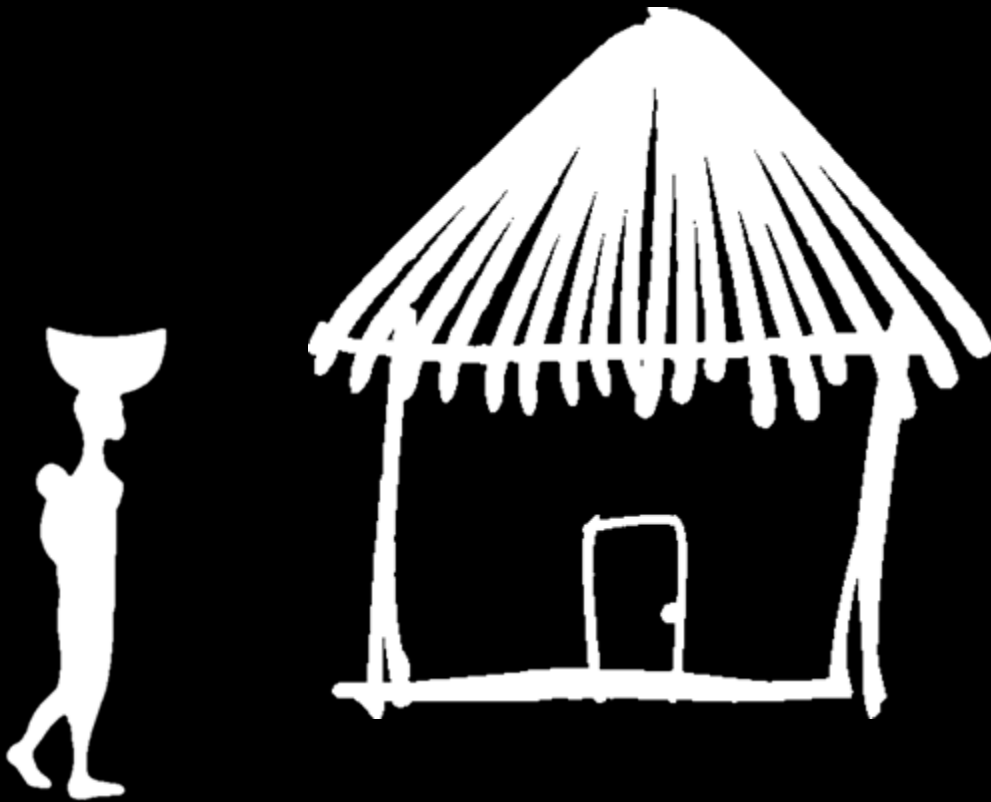
SISTER ESTHER



15 minutes

CHANGE

~~FOOD~~



HUNGER



More food





The Story of the Tractor



Why?



engineers without borders
ingénieurs sans frontières
Canada

Projects







No silver bullets



The pencil

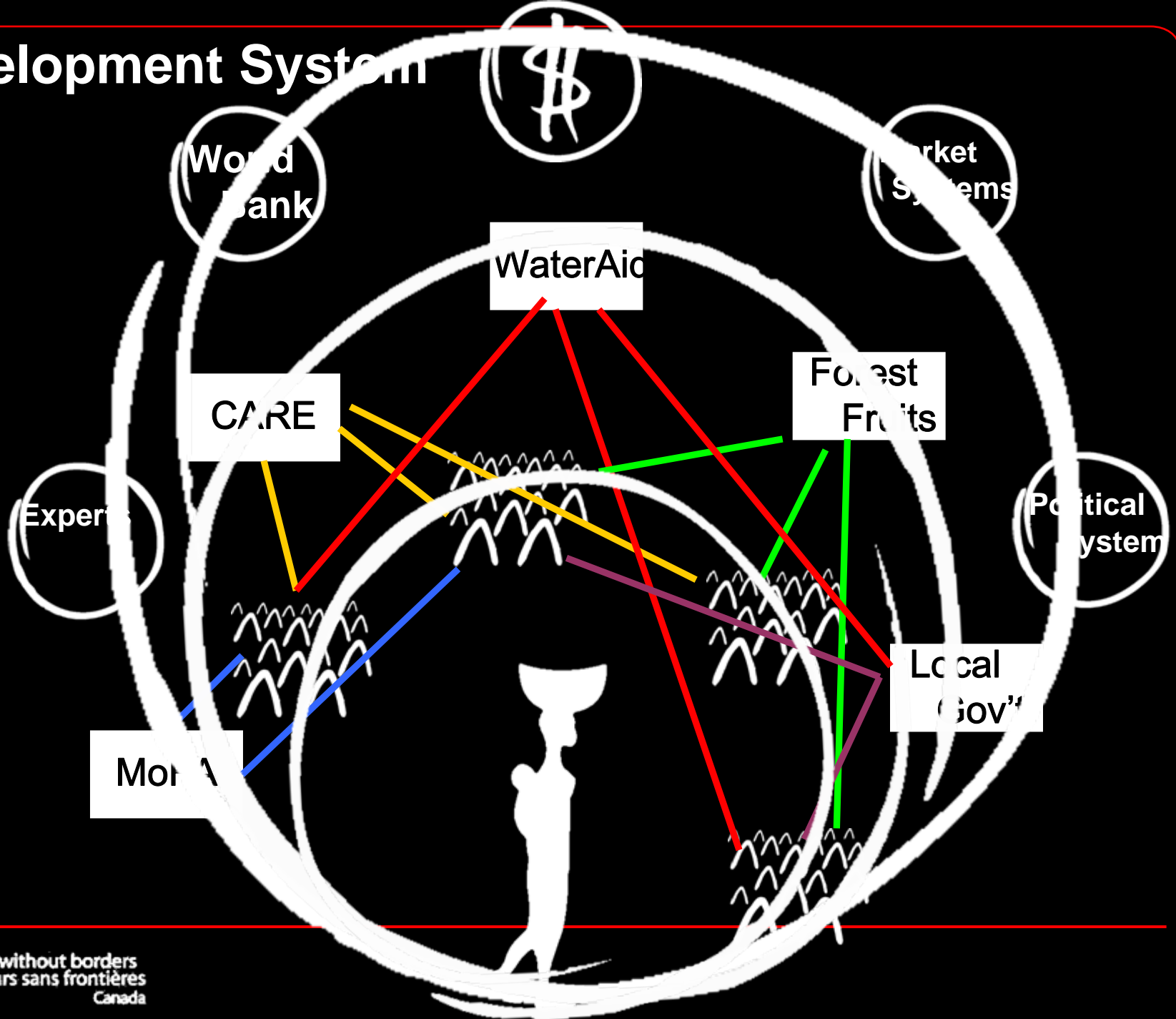
Your Cup of Coffee/Tea



WHY?



Development System



Example:

Starch processing in Malawi

Cassava
growing
region

How do you make
this a business?

Masinda Starch Factory

- Just-in-time sourcing model
- Machinery installation and commissioning
- Market guarantee

Danny Howard –
temporary
manager



Results...

Quadrupled production >> Employs 50 people in the factory >> Purchasing cassava from nearly 100 farmers >> Thousands of people's lives improved

But...

1) How does Danny work his way out of his job?



2) How do we spread this approach?

- Ability to understand the 'Big picture'
- Critical thinking
- Root cause analysis
- Humble entrepreneurship
- Impact focused
- Dedication to making a difference
- Dealing with complexity

Skills

- “The future of engineering is being framed by global forces which transcend national boundaries such as the impacts of globalization, rapid technology advances, climate change and inequality.”
 - - University of London Report

By 2015 – 80% of infrastructure & utilities work is in developing countries

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DO today to
create a better
world?





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Questions?

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