



BILL & MELINDA
GATES *foundation*

AFRICAN AGRICULTURAL TRANSFORMATION

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OUR VISION

Agricultural transformation led by countries to support smallholder farmers.

We want farmers to be **empowered** with the knowledge, tools and technologies to improve their livelihoods and lift themselves and their families **out of poverty**.



OUR THEORY OF AGRICULTURAL TRANSFORMATION



THE FOCUS OF OUR INVESTMENTS

OUR APPROACHES

To achieve our goal of country-led agricultural transformation, our investments focus on:

- ❑ Enabling the development and adoption of improved crop and livestock products,
- ❑ Fostering breakthrough discoveries in scientific research
- ❑ Providing better data, analytics and evidence
- ❑ Strengthening global and national agriculture policies and systems



FOSTER BREAKTHROUGH DISCOVERIES IN SCIENTIFIC RESEARCH AND TECHNOLOGY

Innovations help solve the toughest challenges affecting smallholder farmers.

All over the world, we partner with leading scientists to explore new ways to make agricultural systems work more productively.


These innovations include:

- Disease and pest resistance in crops
- Nitrogen fixation
- Livestock health, including genetics
- Photosynthesis



INVESTING IN INNOVATIVE TECHNOLOGIES


GALVmed | *On the frontline of livestock vaccine development & delivery*



**900
MILLION
PEOPLE**


*around the world
directly depend on
their livestock
for their
wellbeing*

**YET, PREVENTABLE,
TREATABLE ANIMAL
DISEASES**
*threaten the health
of their animals*




*In Africa,
East Coast Fever*

**KILLS ONE COW
every
30 SECONDS**



*GALVmed has
developed and delivered*

**1.5 MILLION
VACCINES**
*for diseases like
East Coast Fever*



*Saving lives and
boosting incomes*

INVESTING IN DATA SYSTEMS FOR HIGH IMPACT

AFSIS: THE SCIENCE OF SOIL

Since 2008, AFSIS
has mapped soil across

42 *countries*

constituting **60%** of African land area



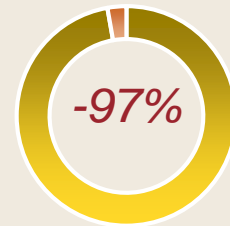
This soil sustains

90%

of Africa's population



AfSIS has brought down
cost of soil mapping by
97%, **from \$70 to \$2** per
sample



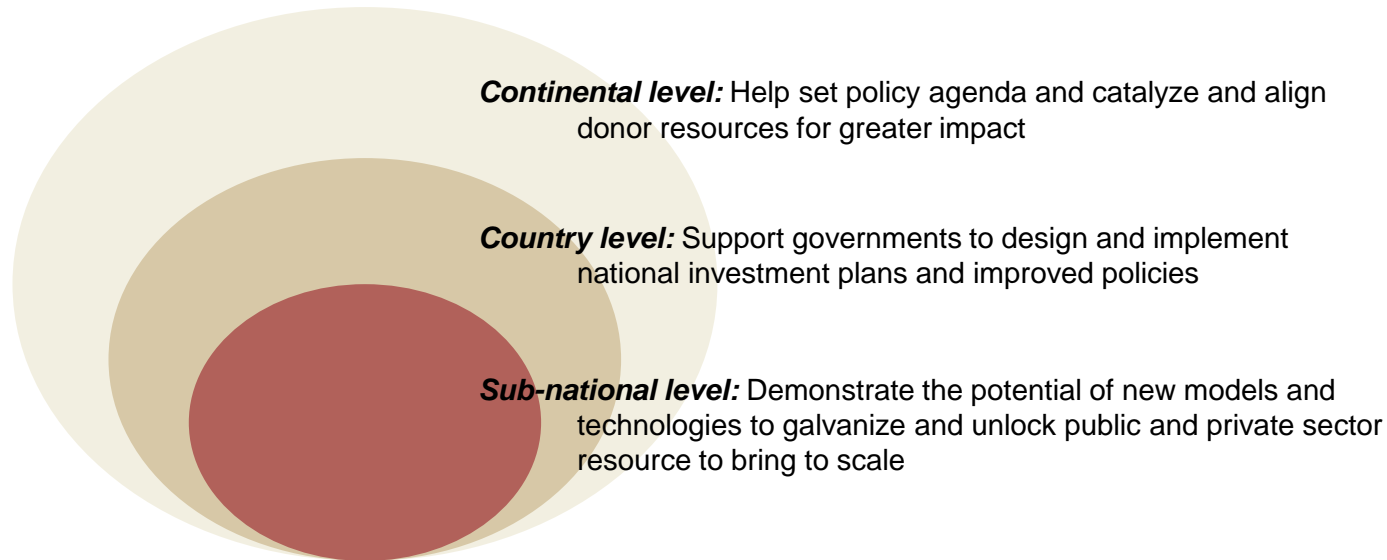
STRENGTHEN GLOBAL AND NATIONAL AGRICULTURE POLICIES, AND INCREASE PUBLIC & PRIVATE RESOURCES

We support evidence-based policy reforms in developing countries. We aim to increase the the quality, quantity and reach of government and private sector resources to agriculture.



INVESTING IN IMPROVED POLICIES AND ALIGNING RESOURCES FOR COUNTRY-LED APPROACHES

Our commitment to **AGRA** supports their integrated strategy to develop a vibrant agricultural sector that empowers smallholders and creates economic opportunities across Africa



OUTCOMES

By advancing agricultural transformation, our partners are improving rural economies and reducing hunger and poverty.



THANK YOU

