



Dry Chain Concept

A new concept that makes the difference at agriculture,
food and postharvest

Rhino

Many pictures are coming from the internet, thanks to all these photographers



Drying possibilities make people smile





**What
is
fresh?**





Cold chain concept







THE PROBLEM IS HUMIDITY

1/3 OF TOTAL FOOD PRODUCED IS LOST BEFORE REACHING THE CONSUMER

4.5 Billion PEOPLE HAVE AFLATOXIN IN THEIR FOOD

HUMIDITY IS THE PROBLEM



IS THE SOLUTION

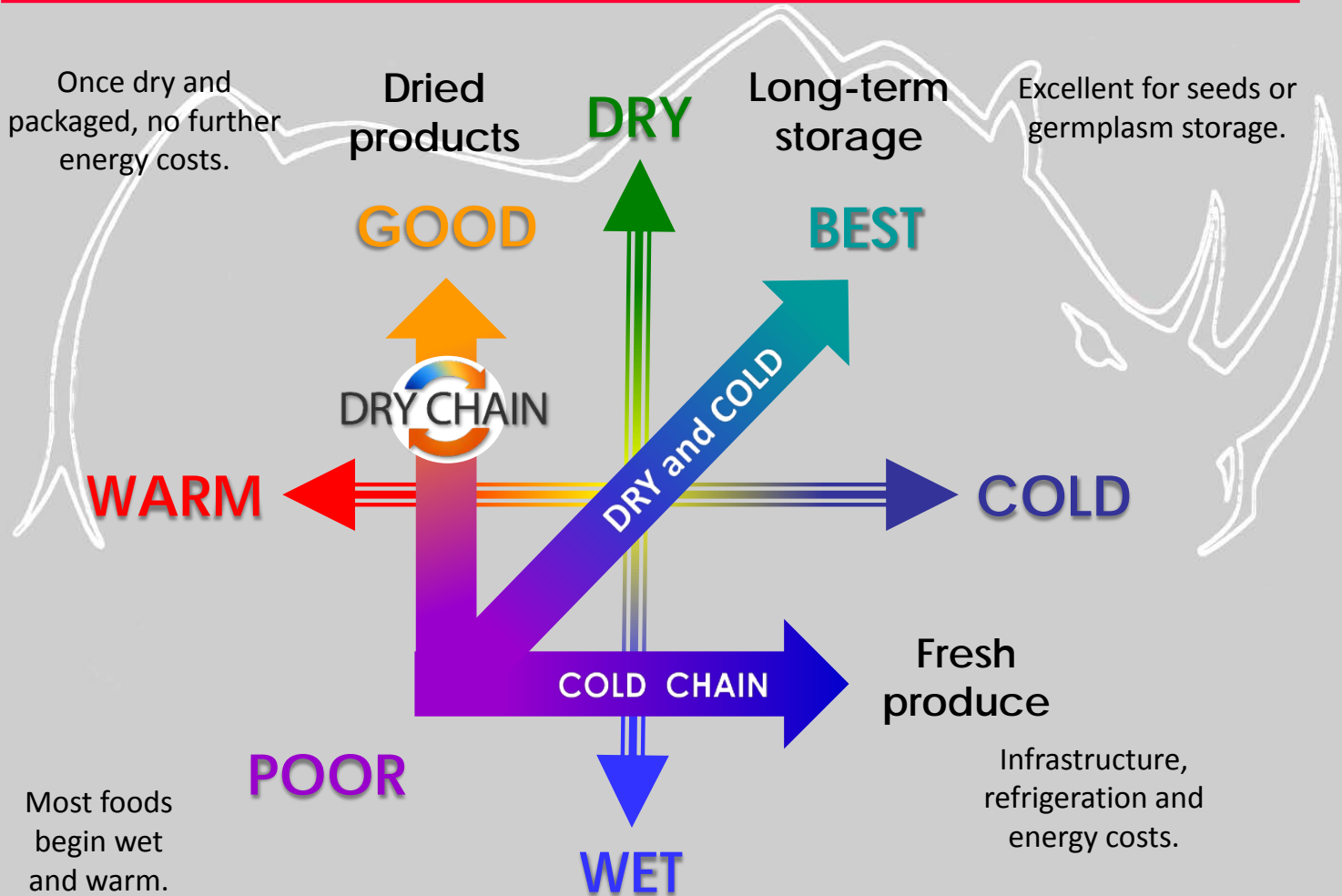
Make it
Keep it **DRY**



Dry Chain Concept



Cold and Dry Chains for Fresh and Dried Products





Developing a system that is
affordable, easy, fast, efficient
and with low investment
costs?

If we want to enable growers to dry their products and reaping the
benefits from their own work

Drying Beads

®



Characteristics

- Made from clay (zeolite)
- Ceramic product – Crystal form
- Absorbs only water (Pore size 3 Å)
- Food grade, non toxic
- Absorbs up to 30% water
- Exothermic reaction
- Action extremely fast
- Minimum RH = 0% obtained equals 0%
- Perfectly reusable

Direct Use

- DryStore
- DrumDry
- DryBox
- MoistureBox

Industrial Use

- QualiDry
- FlexiDry
- FlowDry

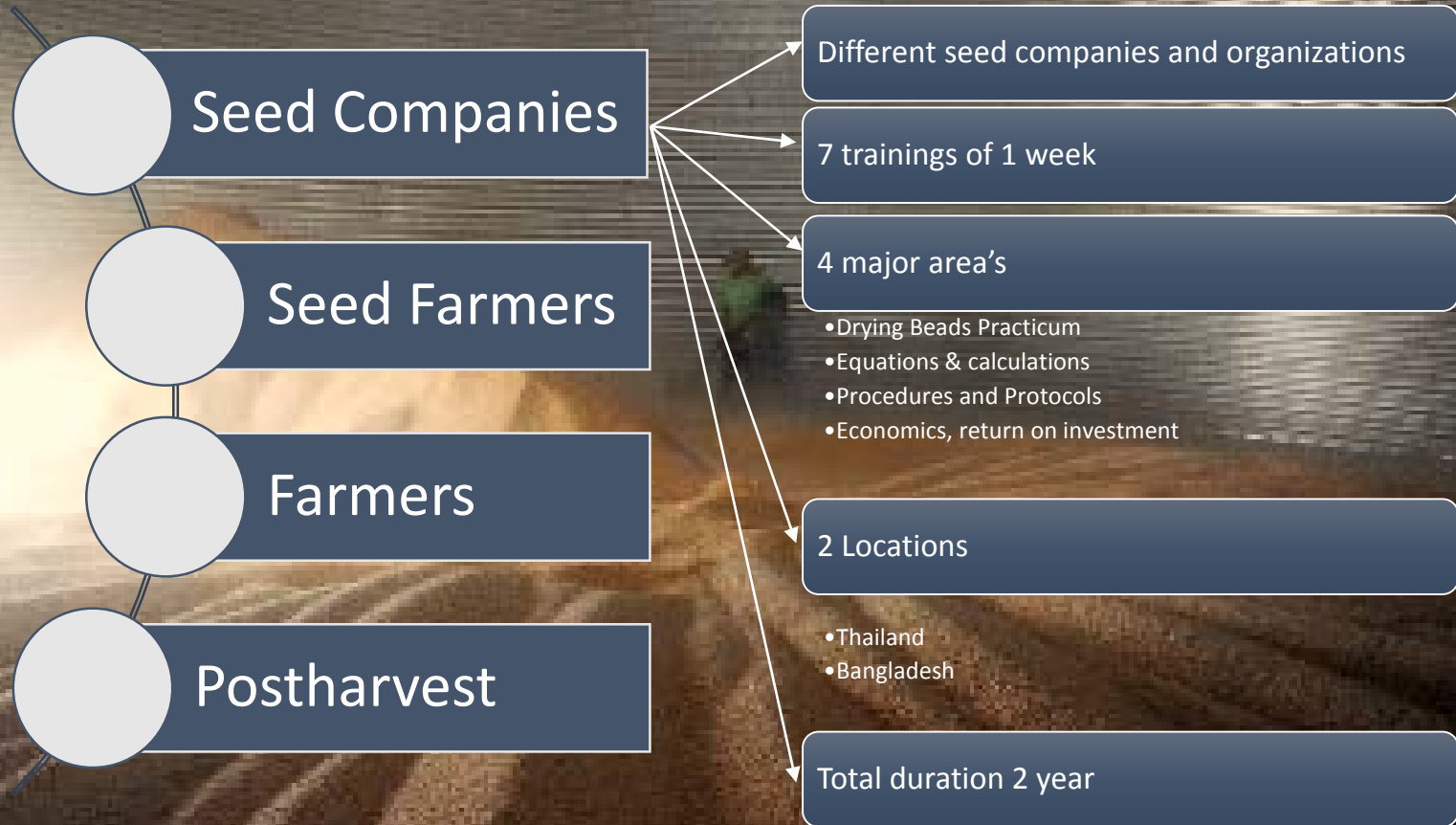


We brought this technology
to the farmers



And they liked the system
But they never used it

WHY?



A group of people, mostly men, are gathered in a room with corrugated metal walls. They appear to be engaged in a discussion or training session. The text is overlaid on the image.

2016 / 2017

8 drying experts

100 trainers

800 seed farmers

100,000 farmers (indirect)



Seed
Grain
Postharvest
Chilies
Nutritional value
Aflatoxin control
Spices & Herbs
Fish & Shrimps
Meat
Fruit & Vegetables
Flowers
Heritage
Clothing
Documents
Motor helmets
DNA materials
Pollen
Electronics
Lenses

...



USAID
FROM THE AMERICAN PEOPLE

HORTICULTURE
INNOVATION LAB

UC DAVIS
UNIVERSITY OF CALIFORNIA



WINROCK
INTERNATIONAL

BILL & MELINDA
GATES foundation

ADMI ADM Institute for
the Prevention of
Postharvest Loss

THE
ROCKEFELLER
FOUNDATION



FEED the FUTURE
The U.S. Government's Global Hunger & Food Security Initiative

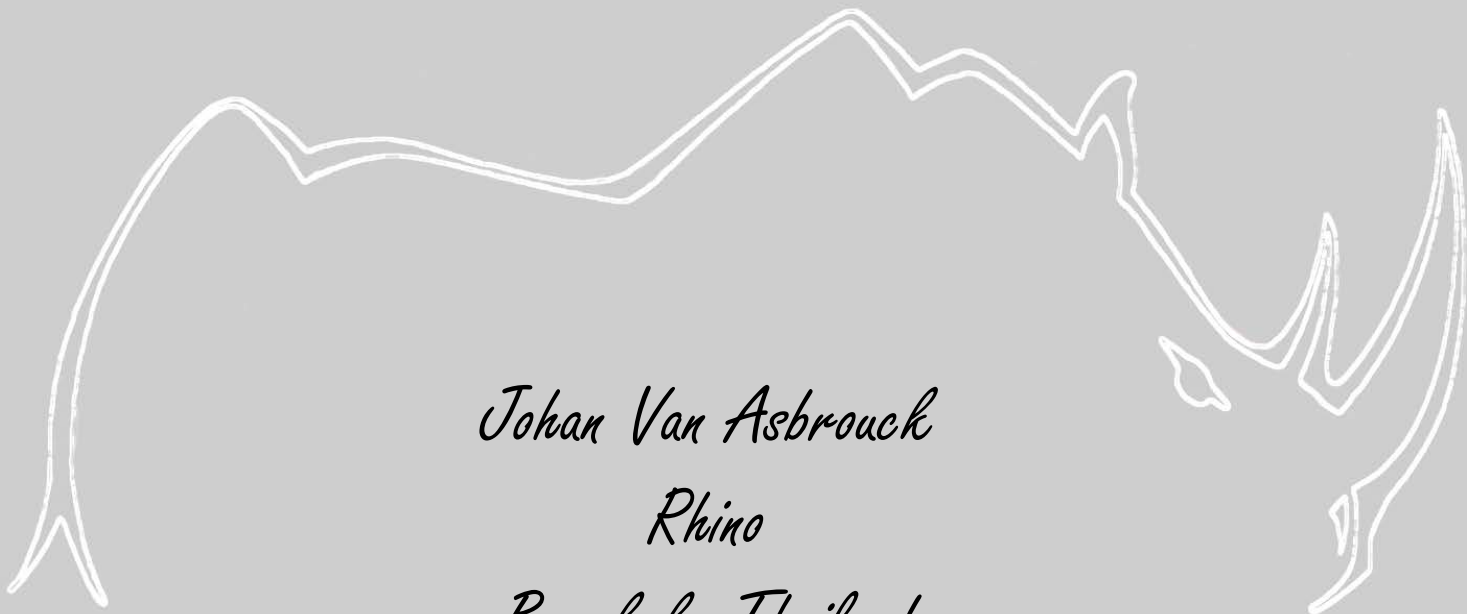
Developing a strategy that is
based on strengths, together.

One problem ... Humidity
One solution ... Dry Chain

RHINO







Johan Van Asbrouck

Rhino

Bangkok, Thailand

Johan.rhino@gmail.com