



FOUNDATIONS FOR FARMING

**22nd Conference of the Working Community
of the Danube Regions**

**Socio-ecological Innovations
in Economy and Health Care**

Tulln – Austria

25-26 March 2015



FOUNDATIONS FOR FARMING

AWARENESS/ SKILLS / HERITAGE

Measures for Raising Awareness and Training of Sustainability Ambassadors

SONDAR Danube Countries and Working
GroupConference

Tüln – Austria

25-26 March 2015





FOUNDATIONS FOR FARMING

Perhaps Some Lessons for the Danube Region from Africa **Zimbabwe the Fastest Collapsing Economy** **In History**

- Learning that we have Individual, Community, National and Continental Problems.
- Which have to fit into a Global Context.
- We have to go to a Root Cause Analysis



FOUNDATIONS FOR FARMING

LOOKING AT THE BIGGER PICTURE

CLIMATE CHANGE AND

THE WORLD FOOD SUPPLY SITUATION

- Three conferences in one month
- Green-house Gases and the Forests
- Population Increase
- Crisis of Food Supply by 2015
- Competition for the last remaining arable land



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LOOKING AT THE BIGGER PICTURE

WORLD ECONOMIC CHANGE

- Downturn of the World's Economy in 2008
- Unemployment Increasing in Most Countries
- Social Problems
- Disappointment, Anxiety, Depression
- Nervous Breakdowns, Suicides, Substance Abuse
- Increasing Hunger & Poverty in Developing World



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THE AFRICAN SITUATION

- Although the Economic Growth rate in Africa is Slowly Improving
- Happening from External Appropriation & Investments
- The Rich are getting Richer and the Poor are becoming Poorer
- Interventions for the Poorest of the Poor are falling behind the Increasing Need

Worlds Total Wealth

223 Trillion Dollars

1 % of World Pop. have 43% of
Wealth (96 Trillion Dollars)

80 % of World Population
have only 6% of Wealth



Simulated Storm Trial

63 mm RAIN

30 Minutes

4% Slope

US\$ 150/Ha

90%

10%

28.5 tonnes topsoil/Ha

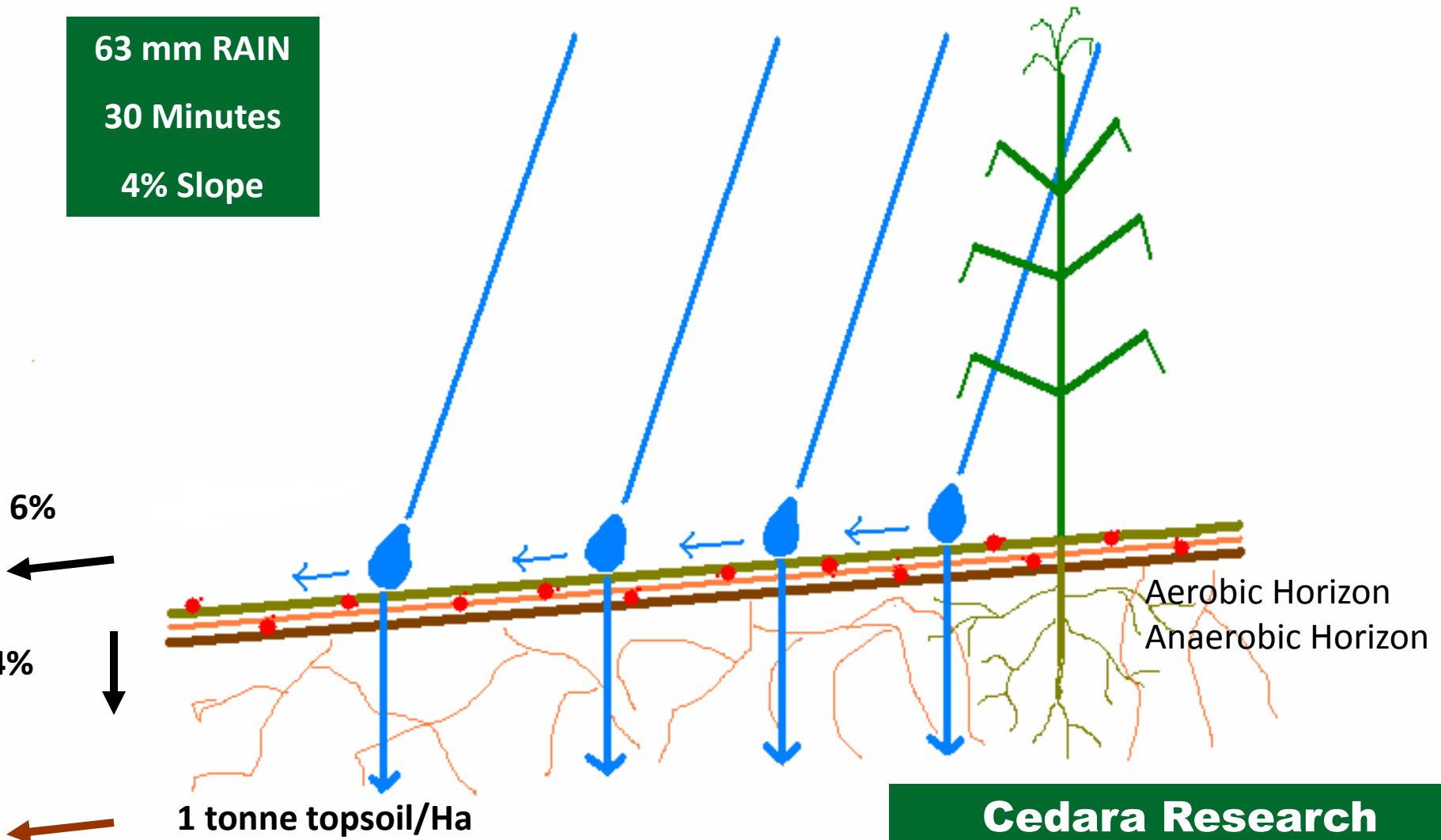
Cedara Research Station KwaZulu Natal

Simulated Storm Trial

63 mm RAIN

30 Minutes

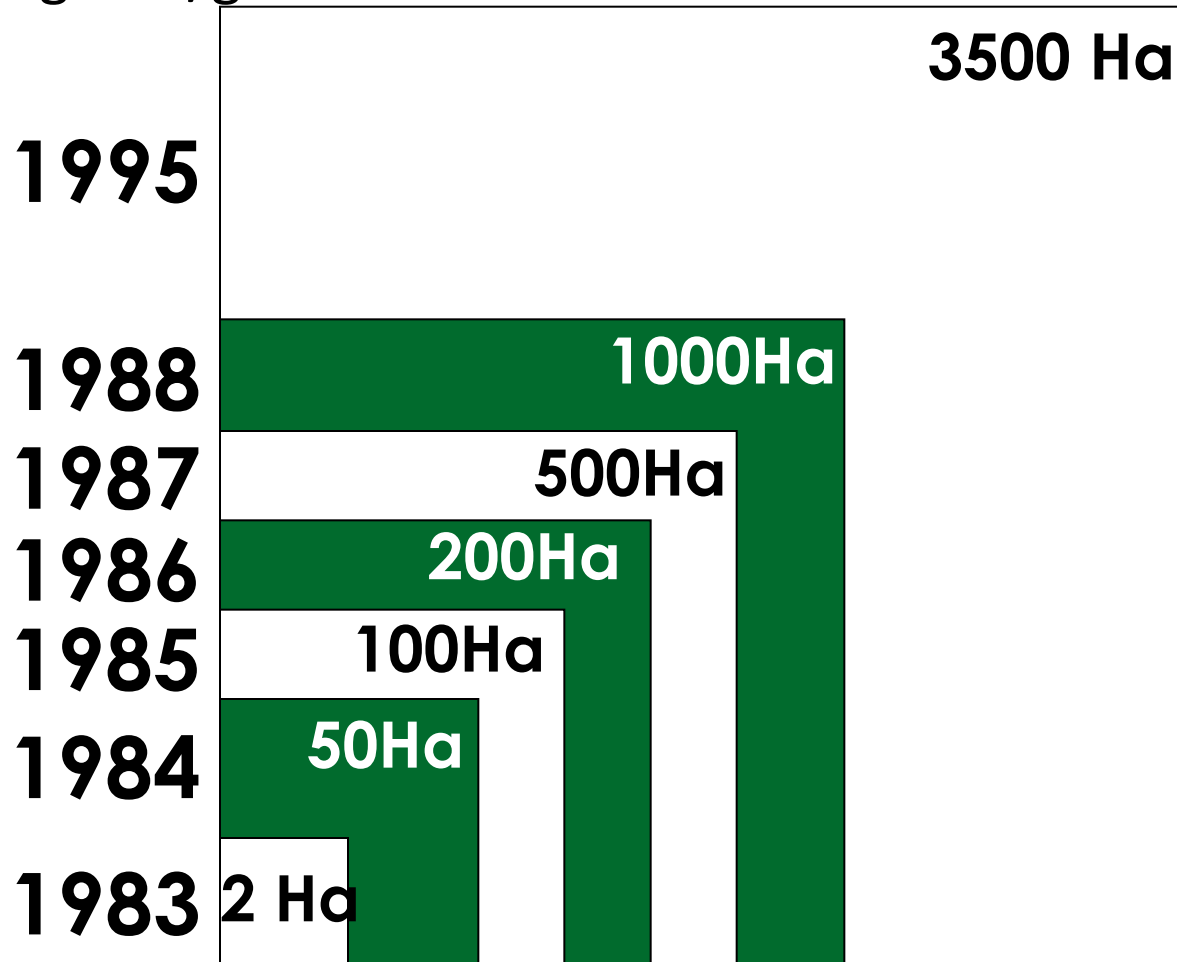
4% Slope



**Cedara Research
Station KwaZulu Natal**

Our Increase

 1,300 wheat; 1,000 maize; 1,000 soya; 200
cotton/sorghum/groundnuts





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IMPLEMENT MANAGEMENT

- On Time



FOUNDATIONS FOR FARMING

IMPLEMENT MANAGMENT

- On Time
- At Standard



FOUNDATIONS FOR FARMING

IMPLEMENT MANAGEMENT

- On Time
- At Standard
- With Minimum Wastage



FOUNDATIONS FOR FARMING

IMPLEMENT MANAGEMENT

- On Time
- At Standard
- With Minimum Wastage

= PROFIT



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WE BEGIN SHARING WITH SMALL-SCALE FARMERS

ONE OF AFRICA'S GREAT PROBLEMS

(and for most poor & suffering people everywhere)

WE HAVE TO TRANSLATE THEORY INTO PRACTICE



FOUNDATIONS FOR FARMING

IMPLEMENTATION MANAGEMENT

- On Time
- At Standard
- With Minimum Wastage
- **With Joy**

= SUSTAINABLE PROFIT
(Simplicity)



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ONLY TWO OTHER WAYS FOR SURVIVAL
OTHER THAN A PROFIT:

- THE BEGGING BOWL
- THEFT

BOTH END IN POVERTY



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VARIETY WHEAT TRIALS



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WESTGATE WELL WATERED GARDEN



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WESTGATE RESEARCH ORGANIC RESEARCH PLOTS



CLOUDS END NOVEMBER 2014



CLOUDS END MARCH 2015



CLOUDS END NOVEMBER 2014



CLOUDS END MARCH 2015



CLOUDS END NOVEMBER 2014



CLOUDS END MARCH 2015



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COMPOST MAKING



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DIGGING PLANTING STATIONS



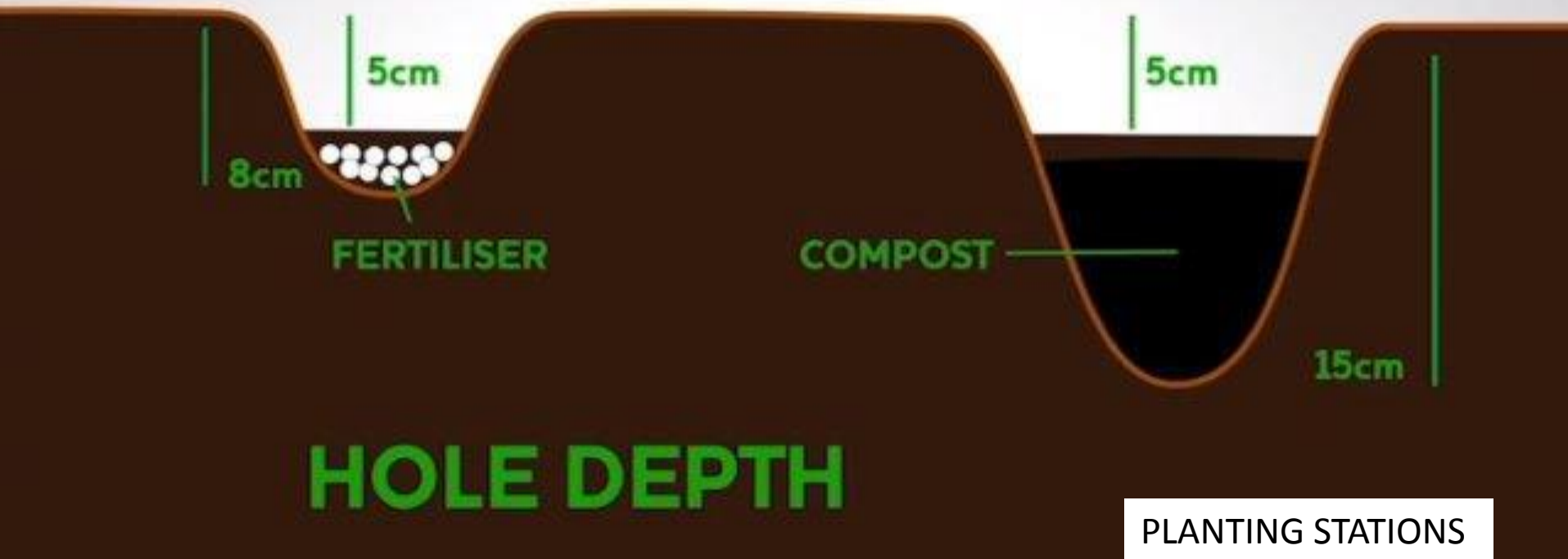
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PLANTING STATIONS



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SEED PLACEMENT



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TOP DRESSING



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TOP DRESSING



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WEEDING



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MATURE CROP



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HARVEST



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HARVEST AND STALK LODGING



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VEGETABLE GARDEN



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HERB GARDEN



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BRIAN TEACHING



FOUNDATIONS FOR FARMING



CHAMPS CONFERENCE



FOUNDATIONS FOR FARMING



GRASSROOTS TEAM



FOUNDATIONS FOR FARMING



MODEL FARMER



FOUNDATIONS FOR FARMING



MODEL FARMER



FOUNDATIONS FOR FARMING



AMON SAMU'S FIELD



FOUNDATIONS FOR FARMING



AMON SAMU'S FIELD



FOUNDATIONS FOR FARMING



AMON SAMU



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ASHBURNHAM



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PRAYER CENTRE



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WALLED GARDEN



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NEED COMMENT



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NEED COMMENT



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PLANTING WITH TEMPLATE



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MULCHED GARLIC BED



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Thank You

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THE HOPE

JESUS

GOD'S PROTECTION

PSALM 41: 1-3 1 “Blessed is the one who considers the poor! In the day of trouble the Lord delivers him; 2 the Lord protects him and keeps him alive; he is called blessed in the land; you do not give him up to the will of his enemies. 3 The Lord sustains him on his sickbed; in his illness you restore him to full health.”







Banking & Retail Banking



Corporate Banking. Tre





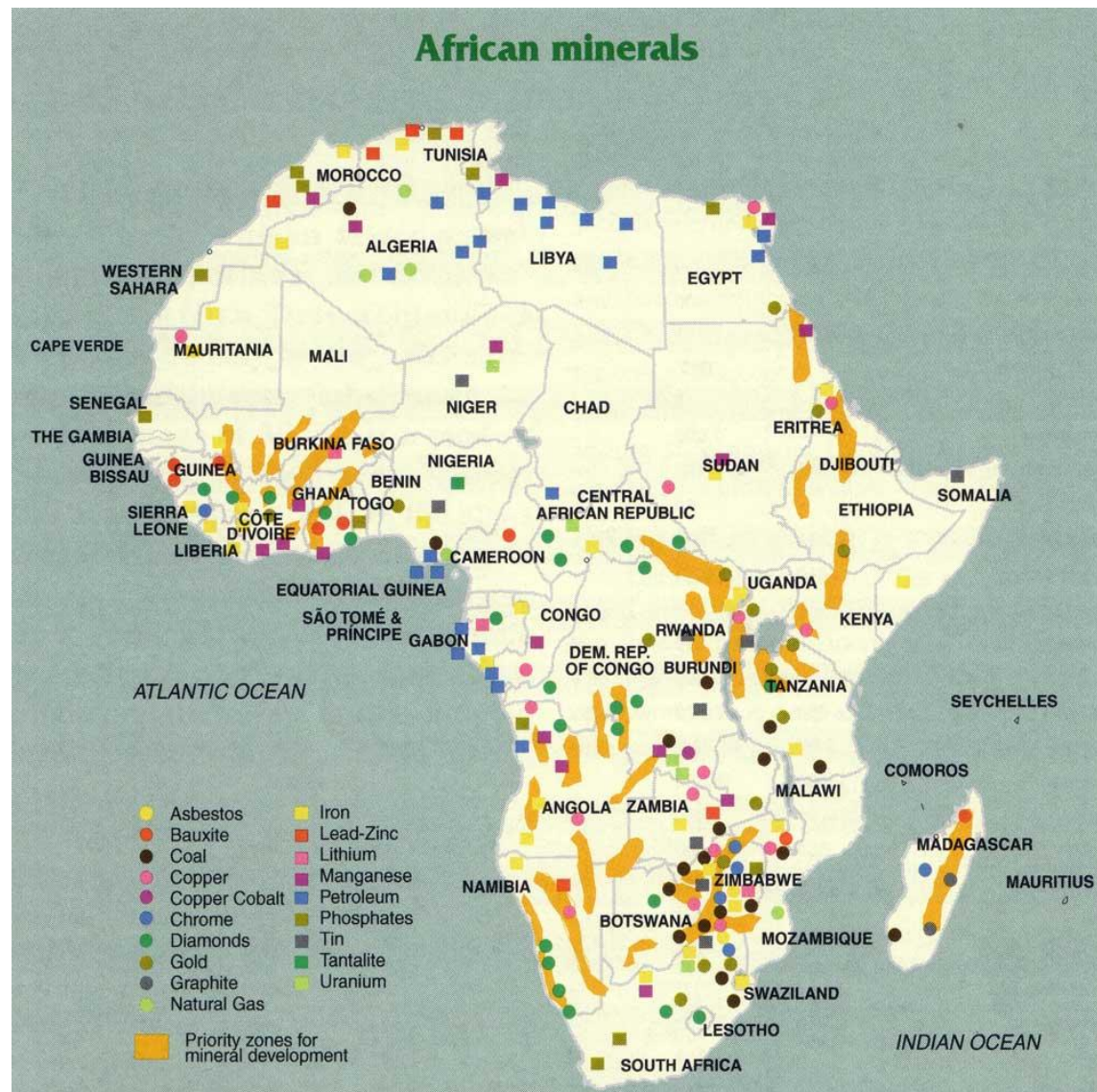
STARVING
BILLIONAIRE





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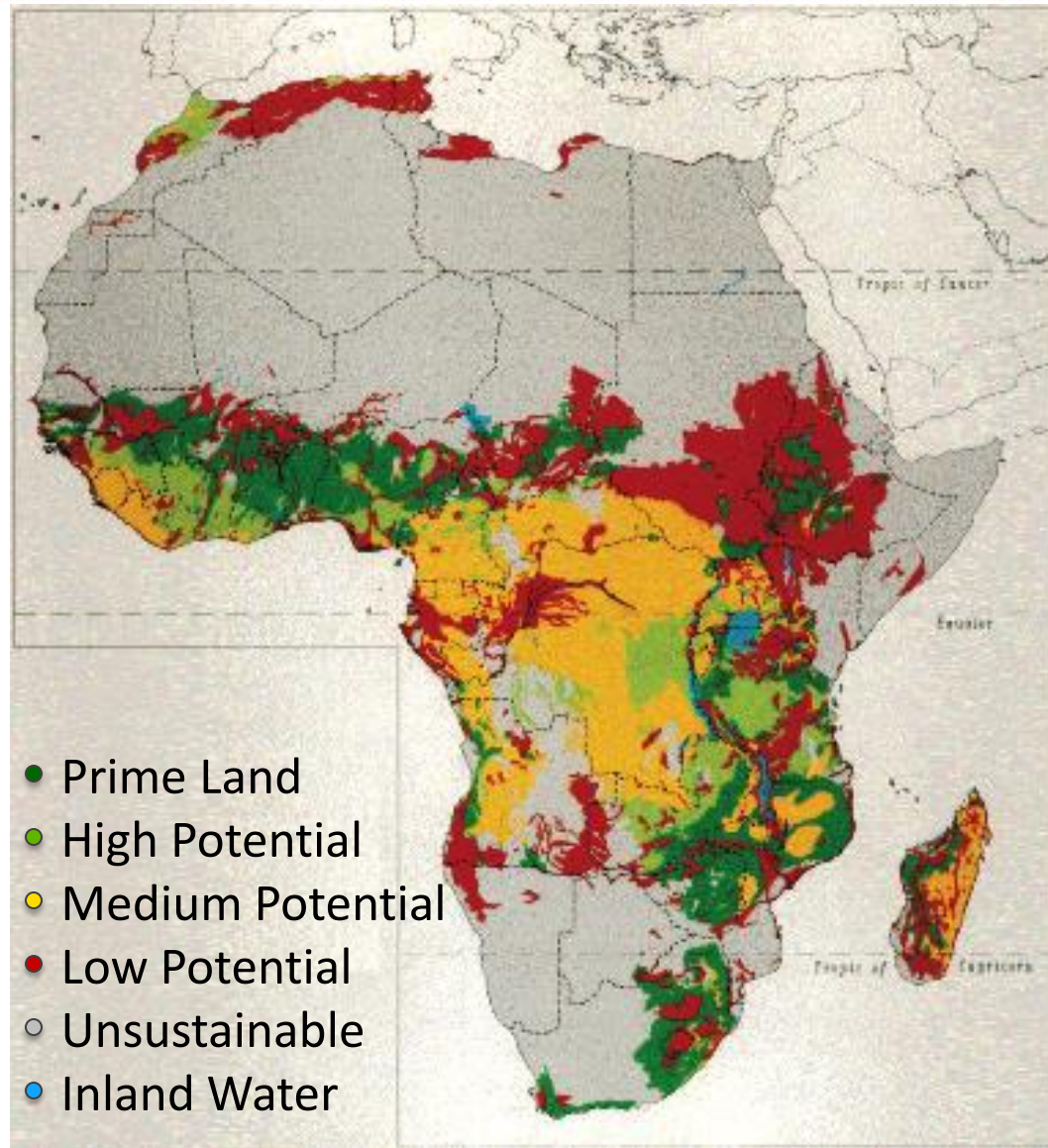
African Minerals





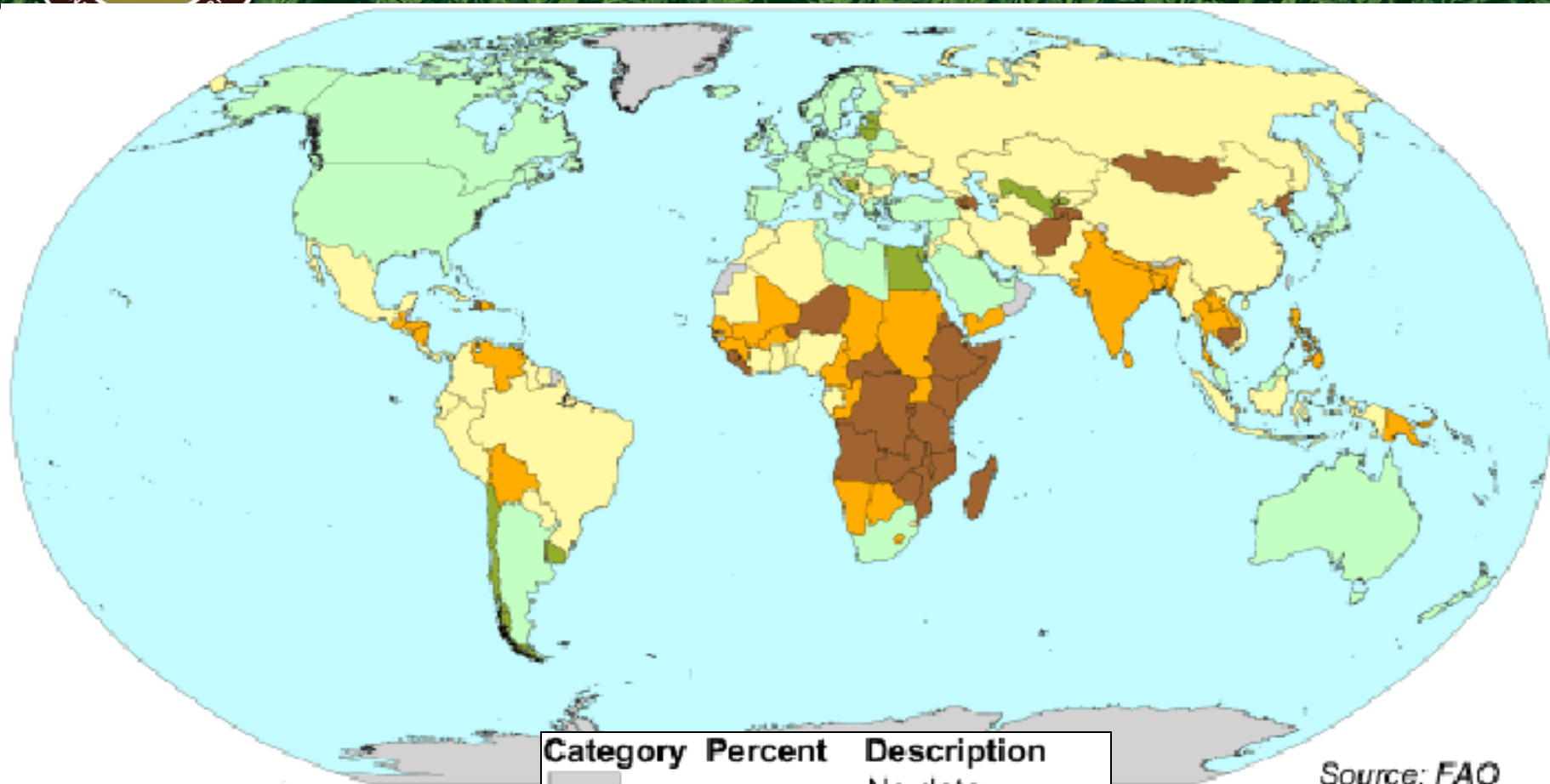
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Agricultural Potential





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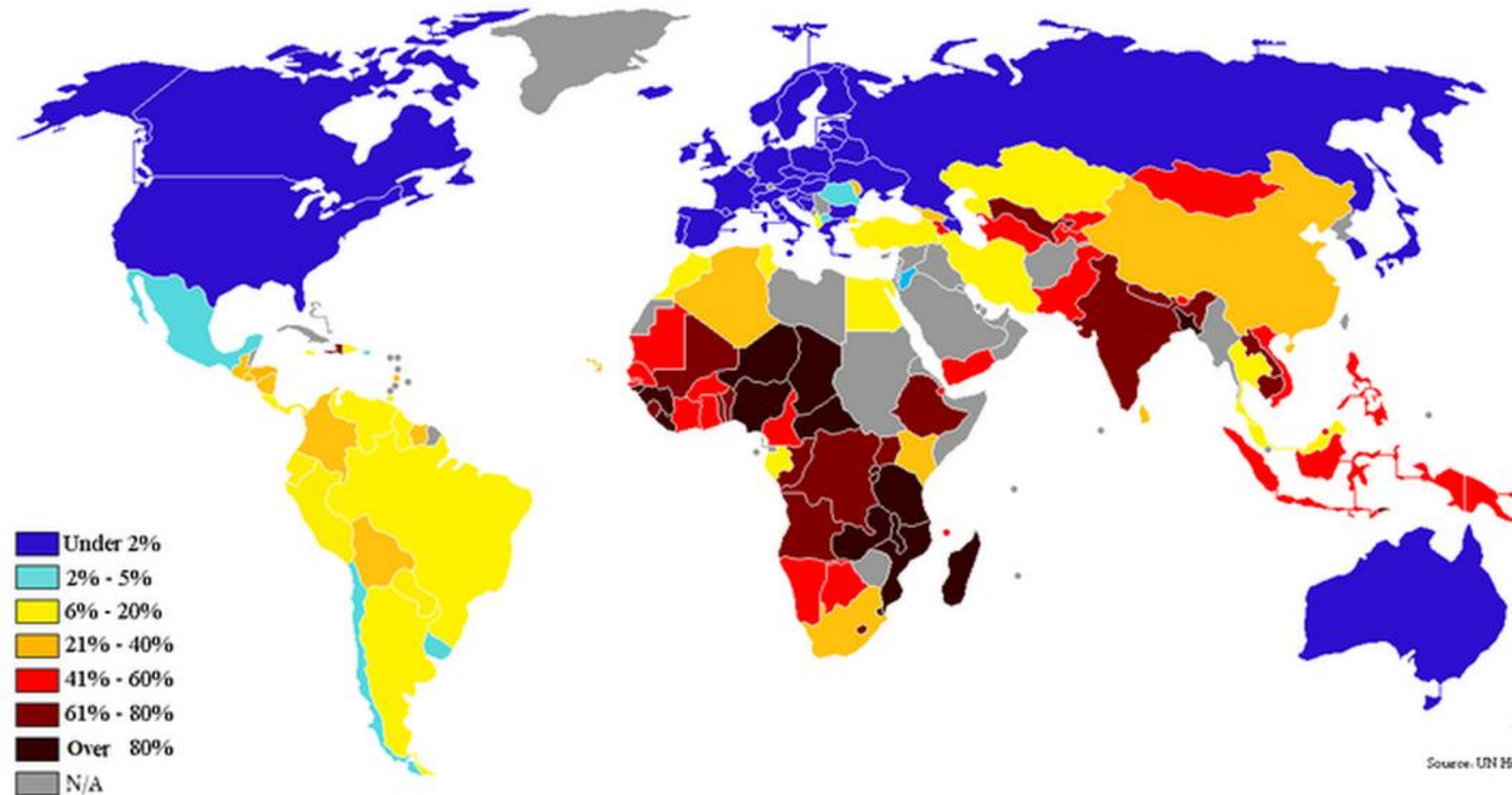
Category	Percent	Description
		No data
1	< 2.5	Extremely low
2	2.5-5	Very low
3	5-20	Moderately low
4	20-35	Moderately high
5	>35	Very high

Source: FAO



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Percentage Population living on less than \$2 per Day





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People are the Problem

- Previous focus on Biophysics and Biochemistry
- The Need for a Study of Socio- Economic aspects
- Two major Crises in the world (Currently)
 - World Economic Down Turn
 - Climate Change and Environmental Crisis
- People ARE the Problem
- Sociology is a Science (Need for Research)
- Introducing the story of our experience:



FOUNDATIONS FOR FARMING

ZERO TILLAGE

30 years ago Started Investigating

The Feasibility of Zero Tillage for Africa

- Farm going out of business (1982/83)
- Yields down & Costs up
- Burning off Crop Residue, Deep Ploughing
- Academic & Extension Community - Negative
- Natural Creation – Sustainable Model
- Experimentation Began - 1983

Yield Results



Yields increased immediately & stabilised

MAIZE 4.5t/Ha < 9.5 t/Ha

SOYAS 2 t/Ha < 3.5 t/Ha

WHEAT 6 t/Ha < 8 t/Ha

COTTON 2.5 t/Ha < 3.5 t/Ha

EARLY TESTS – NO MORE BURNING & PLOUGHING



IMMEDIATE INCREASED YIELDS & REDUCED COSTS





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- A SIMPLE TECHNOLOGY
- A SIMPLE MANAGEMENT SYSTEM
- BOTH REMAIN THEORIES UNTIL PRACTICED
- HOW DO WE TRANSLATE THEORY INTO PRACTICE?



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VISITING THE POOR WHERE THEY ARE OBSERVATIONS

- Failed Crop full of weeds
- Hunger – Poor Health and little energy
- Lacking Self Worth
- In Captivity to Poverty – Hopelessness
- Inability to even listen to theory
- Only Answer they have is the **Begging Bowl**



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IN AFRICA WE LEARN BY STORY-TELLING

- Inability to even listen to the story
- How do we get them to listen?
- “As you measure, it will be measured to you”
- **Listen to their story first!**



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OPENING THE BLOCKAGE

- They are waiting to tell their story
- Your Pity = The Begging Bowl
- Just waiting for an opportunity
- Meet them where they are - (Accept them!)
- “HOW ARE YOU?”
- They pour out their problems
- We **Listen** and **Listen!**
- **THEN** we tell them **Our Story**



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3/31/201



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3/31/2015

FGW



82



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Grassroots Trainers



Grassroots - TWR Programme







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SOCIAL PRODUCTION (“SOPRO”) – AUSTRIA

FRANZ RYBACZECH, BERNHARDT KUDERER

- Connecting with People from Normal Enterprise
- With Social Outreach (Handicapped/Unemployed)
- Not only Those without Money
- But with Those without Hope
- And Those without Work
- Making Items that People Want
- Appreciation – Corporate Social Responsibility



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THE POOR ARE INCREASING ALL OVER THE WORLD

- The situation is bound to get worse
- Climate Change & World Food Supply
- The need for a European Secular/Christian Model
- Could a Danube Nation be a Test Case?



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THE NEED FOR A MODEL TRAINING/DEMO STATION

- Less contaminated by World Moral Degeneration
- Strategically placed
- Remarkable openness to hear different viewpoints



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HOW CAN THIS APPLY TO THE DANUBE REGION?

- Identify the poor in the nation (Who and Where?)
- Support establishment of a Training/Demo Centre
- Encourage Studies & Theses on the subject



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A SUGGESTED APPROACH

- If People are the Problem
- Must be a Problem of Attitude & Character
- A Root Cause Analysis is necessary
- Root Cause of Most Problems is **SELFISHNESS**
(Wars, Crime, Violence, Pride, Greed, Immorality, Envy, Corruption, Materialism, Consumerism, Poverty, Hunger, Suffering etc.)
- The ANTIDOTE must be **UNSELFISHNESS**



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SOME OF OUR EXPERIENCE OF HOW TO DEAL WITH THE INHERANT SELFISHNESS OF MAN?

- Acknowledge it as the Problem
- Acknowledge that it is getting worse
- Increased Legislation has not helped
- Discern the Cause and Source of Selfishness
- Materialism & Consumerism
- Greater and greater Self Indulgence
- Moral Breakdown



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WHAT WOULD A DANUBE STATION LOOK LIKE?

- Growing things is naturally Therapeutic
- Select a piece of ground in a Prominent Place (1 ha)
- Visual Impact is important
- Demonstrate beauty of “Orderliness & Standards!”
- Show the dynamic of “Faithful with Little”
- Demonstrate the “Hope>Joy>Strength” miracle
- Show how God chooses the “Weak & the Foolish”
- The power of a “Humble & Unselfish Servant Heart”



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A NATION AND A CONTINENT CAN BE HEALED

- The Mental, & Physical Health levels lifted
- The Moral Standards of AFRICA can be lifted
- The Index of Unselfishness can be lifted
- A nation which can cope with the Times to Come



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THANK YOU!

(BRIAN OLDREIVE - FOUNDATIONS FOR FARMING)

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www.foundationsforfarming.org



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GOD'S PLAN FOR THE POOR

ISAIAH 58 (God's Rebuilding Blueprint)

THE FIVE STAGES:

The Micro Level (The Poor where they are)

The Macro Level (The Nation)

The Continental Level (Africa)

The World (The Poor are increasing everywhere)

The Times and Season



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AFRICA JUBILEE PRAYER SUMMIT

Addis Ababa

18-20 March 2014



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THE LORD'S STORY FOR MY LIFE

Early Days

Salvation

Conviction

Food

Testing

Revelation

God's heart for the poor



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THE SIX STAGES OF GOD'S PLAN FOR THE POOR

THE POOR WHERE THEY ARE

THE NATION (Zimbabwe)

THE CONTINENT (31 Countries in Africa)

THE WORLD (India, Europe, UK, Canada, Mexico,
USA, The Caribbean, Australia, Central China,
South America, Indonesia)

THE FAITHFULNESS LINE

THE END-TIMES (PREPARING THE BRIDE)

Economic Breakdown

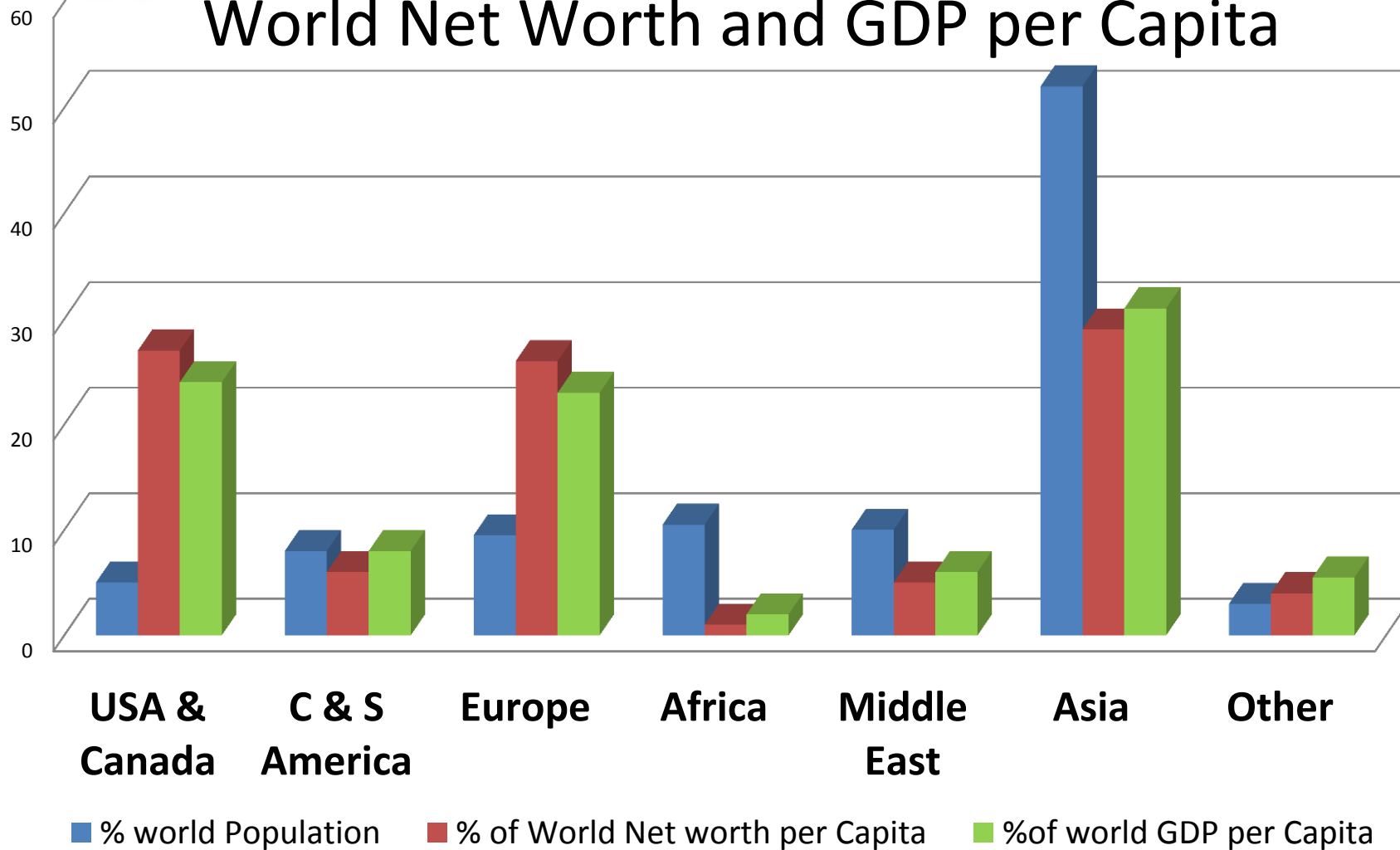


- **1980** US\$1 : Z\$1
despite 10 years of bush war & international sanctions
- **1980-2002** US\$1 : Z\$16
- **2001** Gov loses the vote on constitutional change
- **2002** land redistribution act begins
- **2002-2009** land forcefully taken without compensation
5,500 commercial farmers > 100 > 50
- **2002-2009** US\$1 : **US\$100,000,000,000,000,000,000,000**
GDP down by +/- 60%
poverty; hunger; disease; no drugs in clinics; no textbooks



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World Net Worth and GDP per Capita





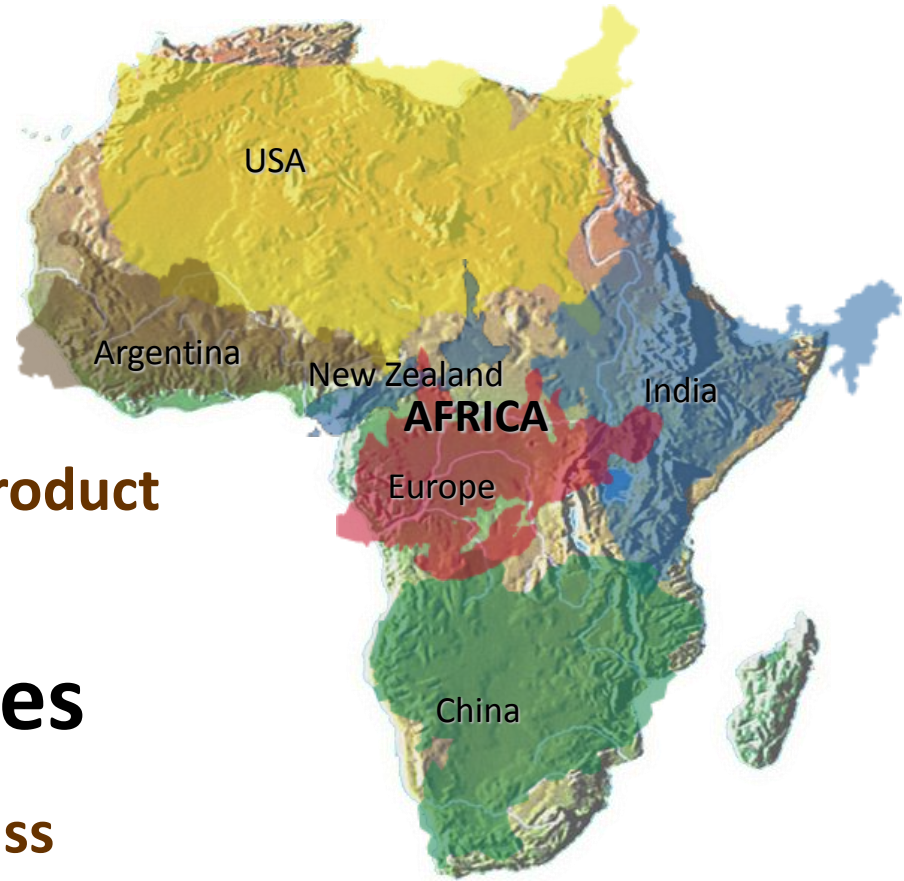
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Africa

- 22.3% of world's total land mass
- 14% of world's population
- 30% of world's natural resources
- 1.8% of world's Gross domestic product

Superimposed Countries

- app. 20% of world's total land mass
- 54% of world's population





3,000,000,000



300

POOREST

RICHEST

Cost Decreased



LAND PREP $75\text{l}/\text{Ha} > 15\text{l}/\text{Ha}$

DRAUGHT POWER $2\text{ HP}/\text{Ha} < 2\text{ Ha}/\text{HP}$

Less capital expenditure on machinery,
R&M and fuel

Grew 3,500Ha with less total Horse
Power than 1,000Ha

NO PLOUGHING



NO BURNING !





FOUNDATIONS FOR FARMING

SOCIAL PRODUCTION (“SOPRO”) – AUSTRIA

FRANZ , BERNHARDT & DR ERWIN

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- And Those without Work
- Producing Items/things that People want/need
- Appreciation – Corporate Social Responsibility



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LOWER AUSTRIA and The DANUBE REGION

MY THIRD VISIT

- A beautiful country with genteel people
- FfF has been called to many nations&continents
- Message for these times
- Zimbabwe as a model into Africa



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