

Sustainable Development Goals (SDGs) For Rio+20

PEP

TARAGram, 6 February 2012

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Development Alternatives

IUCN, IRP and Club of Rome



Development Alternatives

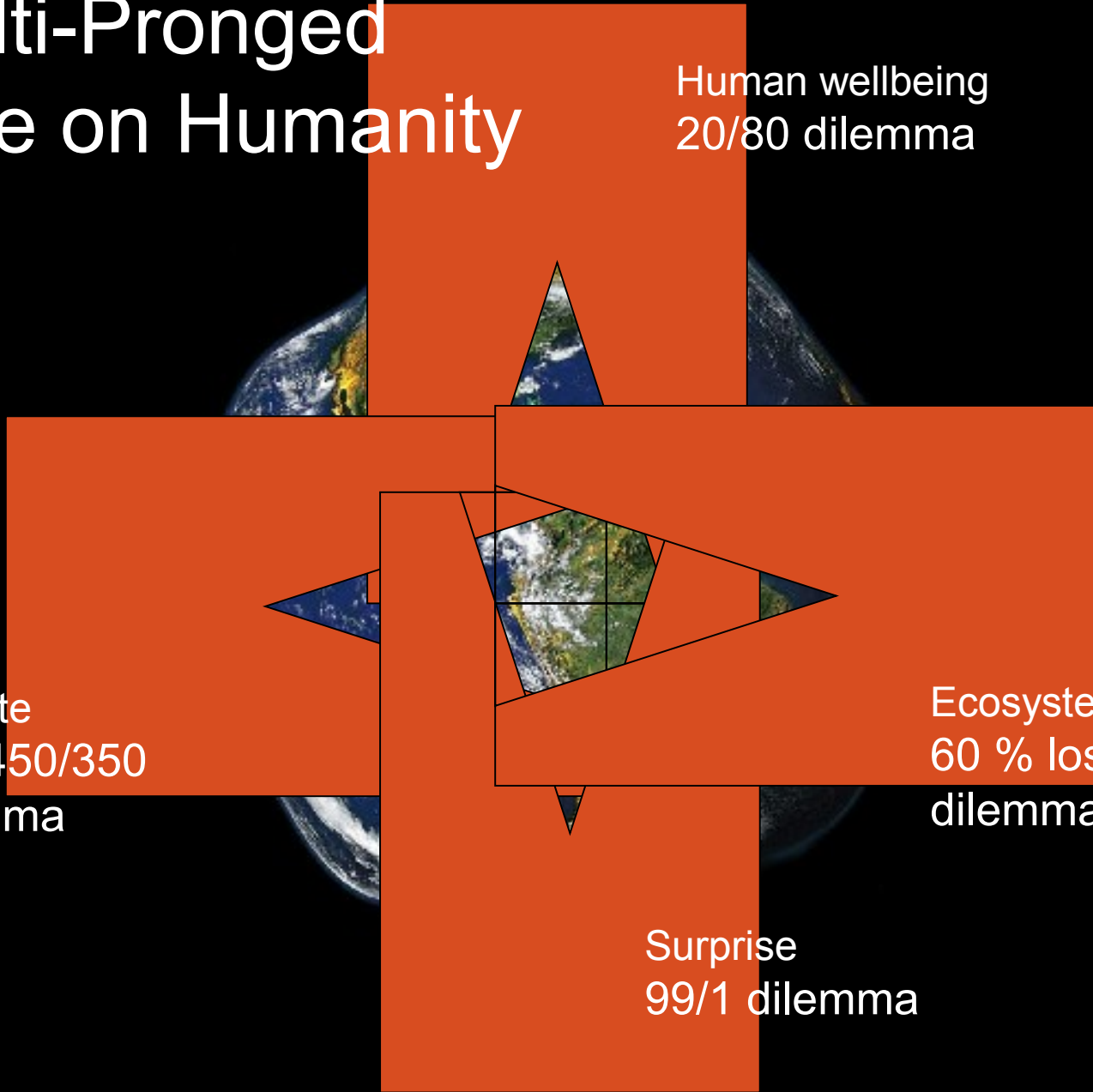
The Multi-Pronged Squeeze on Humanity

Human wellbeing
20/80 dilemma

Climate
550/450/350
dilemma

Ecosystems
60 % loss
dilemma

Surprise
99/1 dilemma



**Climate
Change**

**Ozone
depletion**

**Atmospheric
Aerosol
Loading**

**Biogeochemical
loading: Global
N & P Cycles**

**Ocean
acidification**

**Global
Freshwater
Use**

**Rate of
Biodiversity
Loss**

**Land
System
Change**

**Chemical
Pollution**



Planetary Boundaries

Poverty

Hunger

Unemployment

Illiteracy

Displacement

Alienation

**Violence &
Terrorism**

Marginalisation

Gender

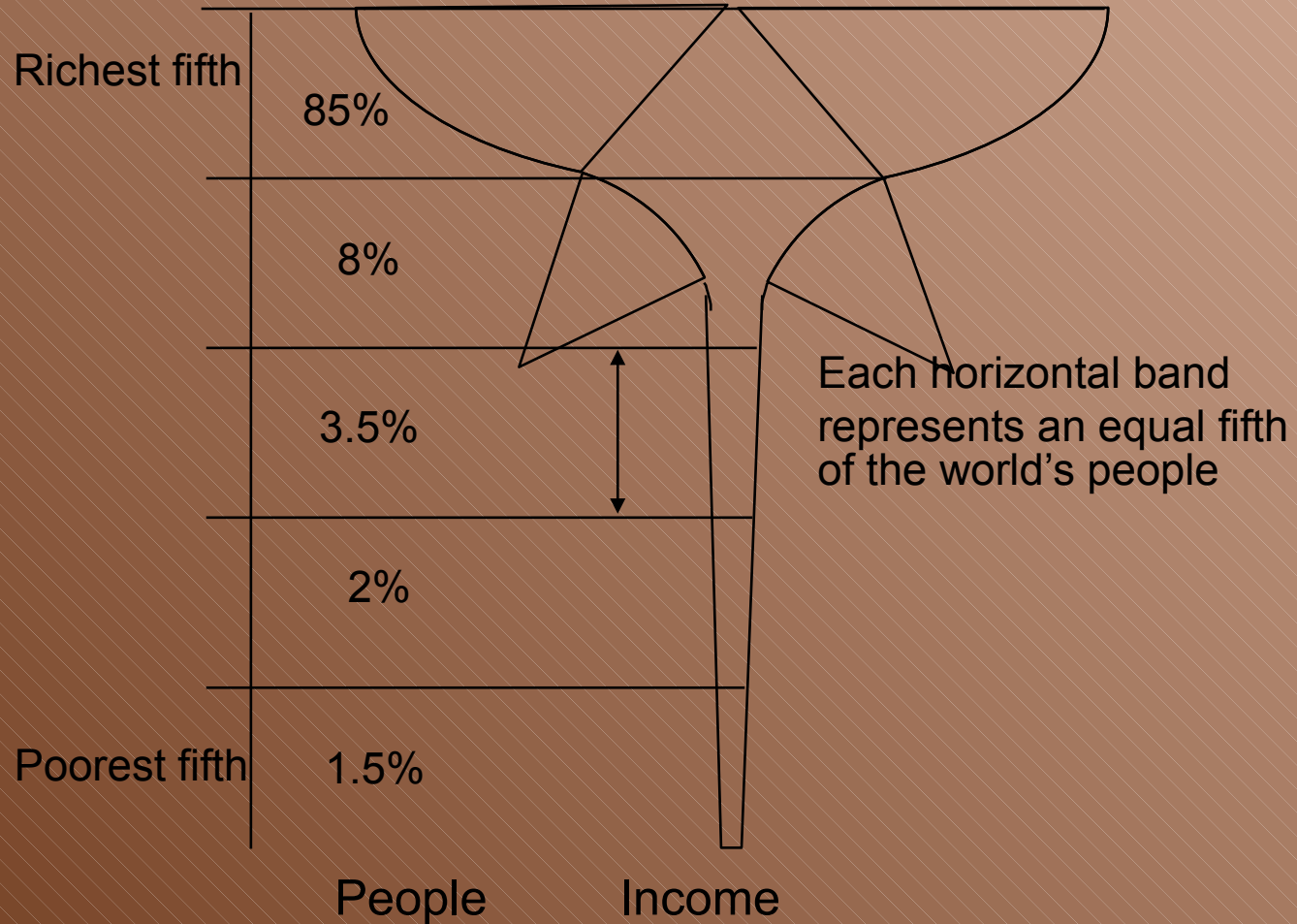
Societal Boundaries



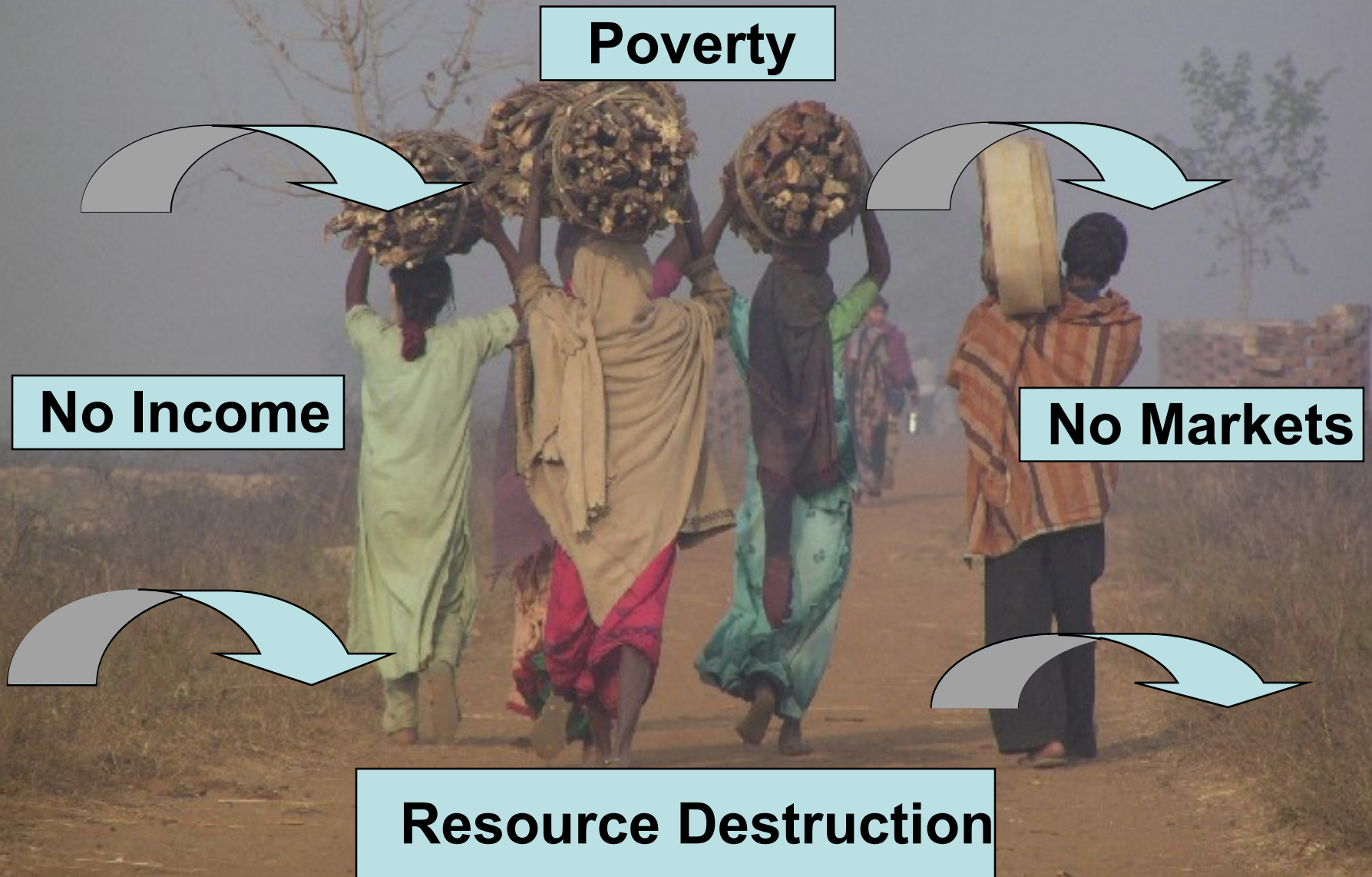
Climate Change



Extremes of Poverty and Wealth



The Poverty and Environment Trap



International Responses



Stockholm, 1972



Declaration, POA, 28 Principles

Nairobi, 1982 (Stockholm + 10)



UNEP GC Resolutions

Rio de Janeiro, 1992



Conventions, Agenda 21, FP

Johannesburg, 2002



Plan of Implementation, MDGs

Outcomes of Summits

Apply to *all* actors at *all* levels:

- ◆ Governments
- ◆ Business
- ◆ Civil Society
- ◆ Citizens



Outcomes of Summits

Who Remembers Them?

- ◆ Principles?
- ◆ Declarations?
- ◆ Action Plans?
- ◆ Reports?



Rio de Janeiro 2012 (Rio + 20)



Green Economy, Governance, SDGs?

Outcomes of Rio + 20

Advantages of Simplicity

- ♦ **For Negotiations**
- ♦ **For Communication**
- ♦ **For Participation**
- ♦ **For Follow Up**



4 Principles of Sustainability

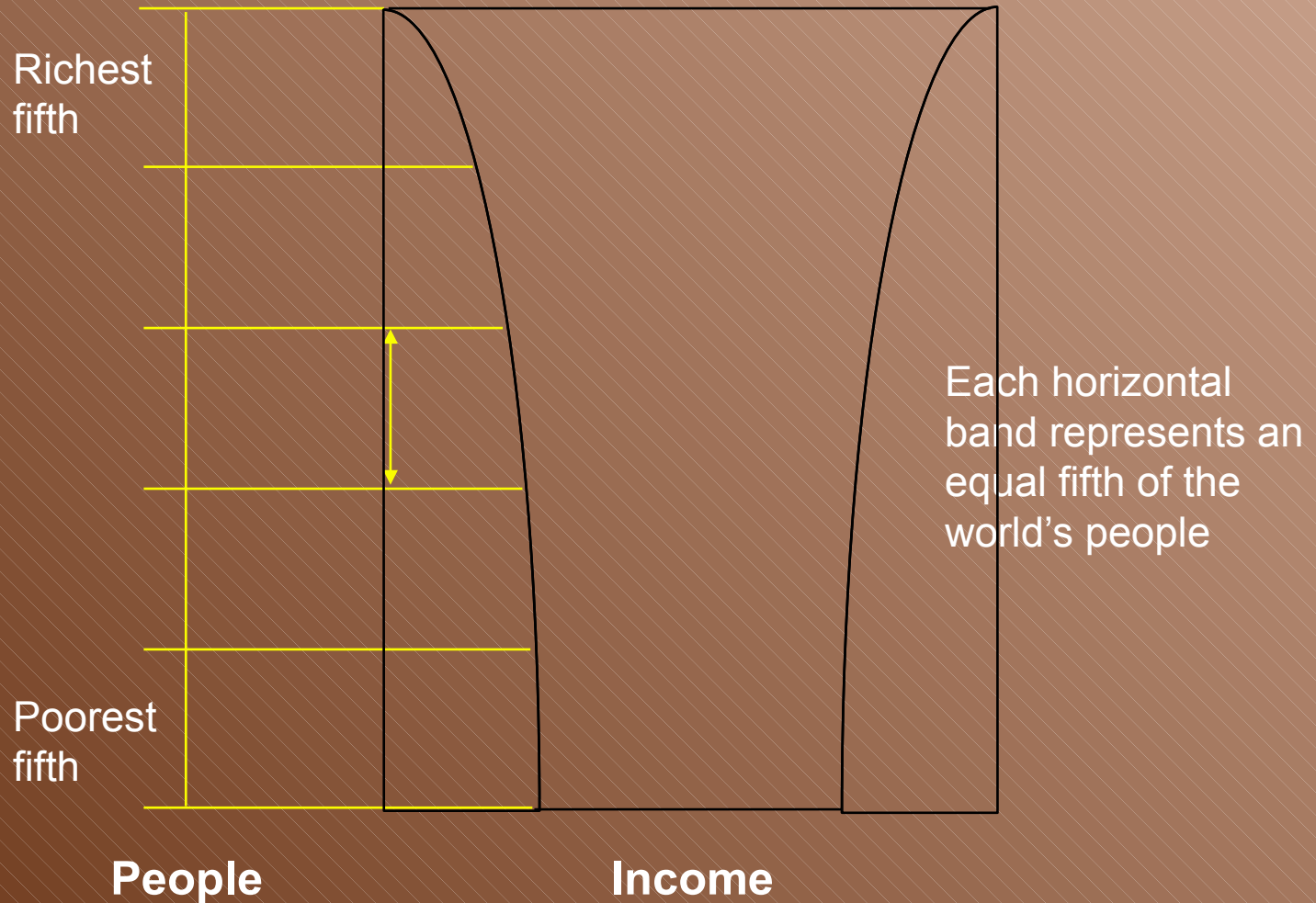
- **Putting the Last First**
- **Parity and Fairness**
- **Polluter Pays**
- **Precaution and Low Risk**



Principle 1: Putting the Last First



Principle 2: Parity and Fairness





Principle 3: Polluter Pays



Principle 4: Precaution & Low Risk



Organic Farming

4 Dimensions of Sustainability

- **Equity**
- **Environment**
- **Economy**
- **Empowerment**





Development Alternatives

Equity







Policy Interventions

- **Standards and Norms**
- **Fiscal Incentives**
- **Tax [and Subsidy] Incentives**
- **Legislation - Regulation**
- **Trade and WTO**
- **Development Plans**
- **Global Governance**



No More Shopping Lists!

Not

- **“Energy”**
- **“Water”**
- **“Cities”**
- **“Forests”**



Root Causes and Processes

SDGs for:

- **Longer Decision Horizons**
- **Full Cost Accounting**
- **Promoting Diversity**
- **Resource Conservation**
- **Nurturing Happiness**



No More Meaningless Goals!

Negative Lessons from MDGs:

- **Absolutes, *NOT* Percentages**
- **More Ambitious and Bold**
- **For both North and South**
- **Define Metrics**

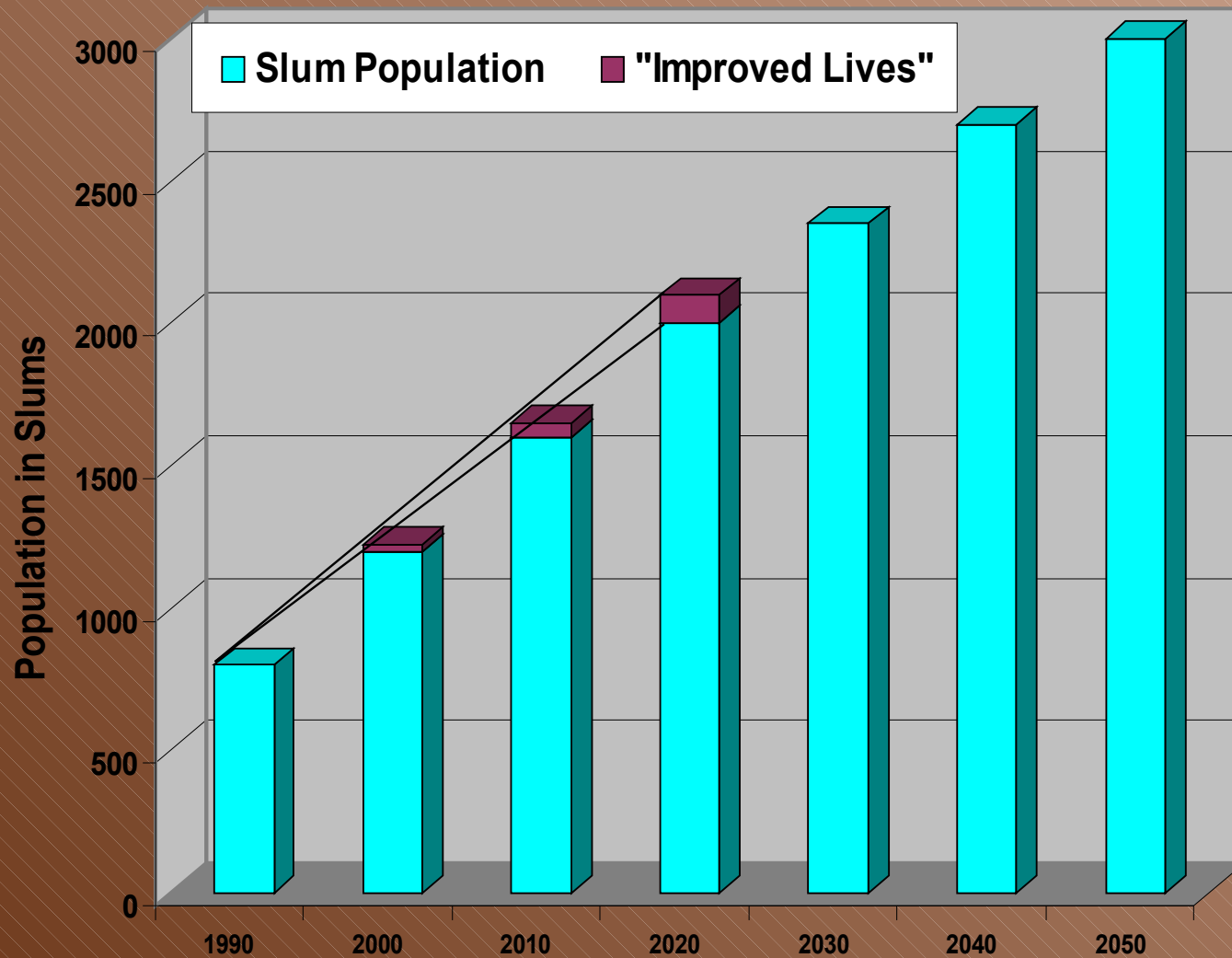


**Example: For the South
EVEN IF the Goals are met, in 2015,
there will still be:**

- almost **800 million** people without drinking water
- some **1,600 million** people without basic sanitation



Slum Dwellers and MDG 7 [from UN Habitat Data]



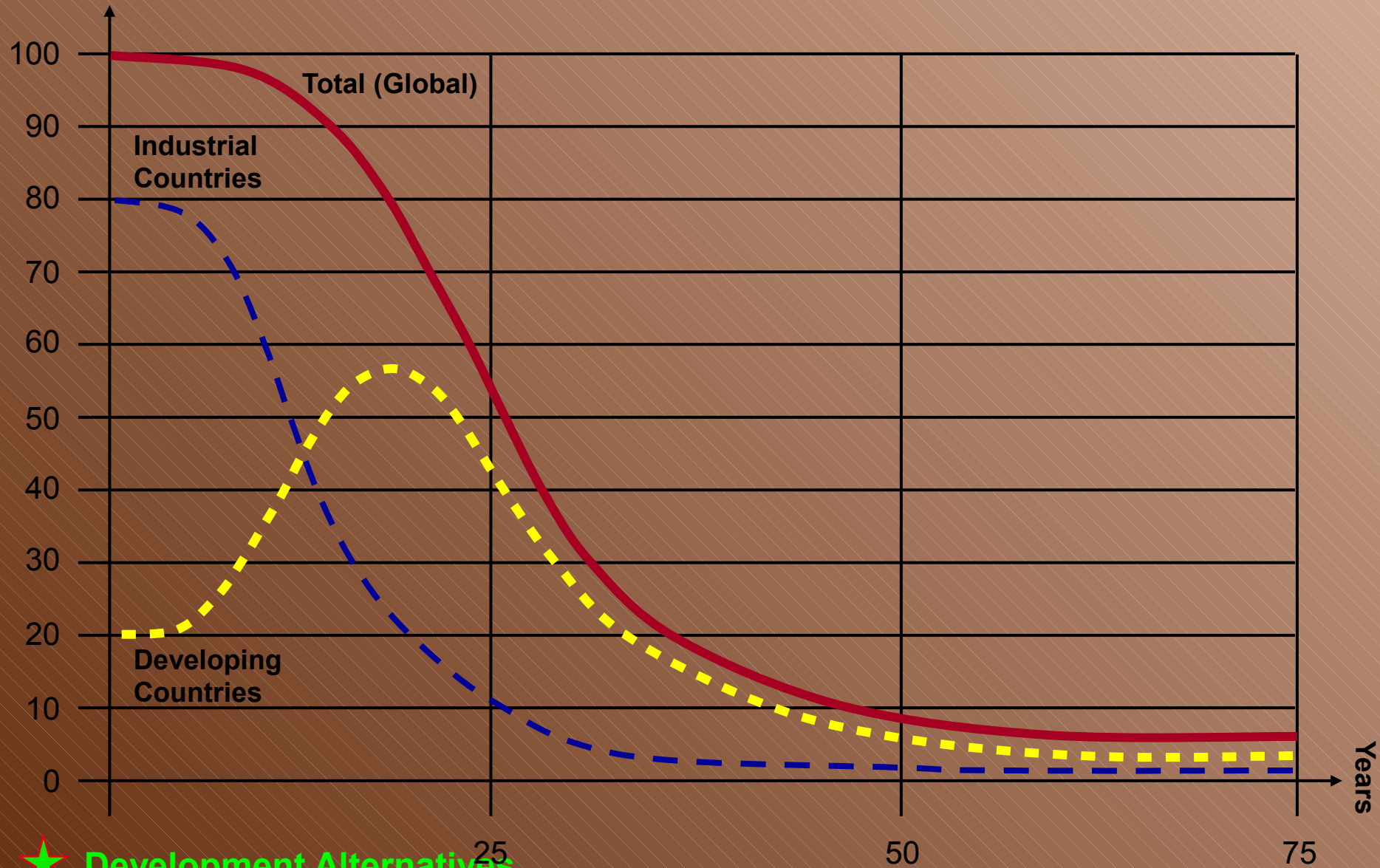
Example: For the North



**The Ecological
Footprint of an
Industrialized
Country**



Contraction and Convergence



Number 1 Priority

In the South:

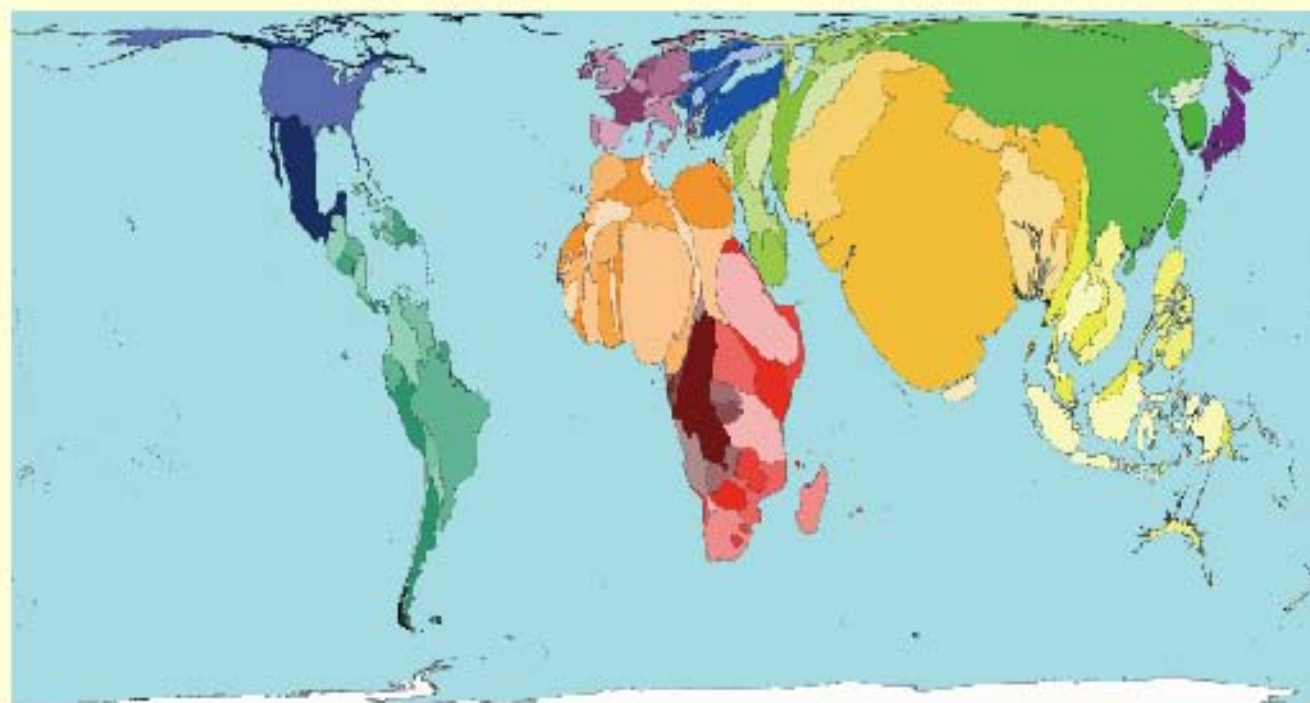
- **Reduce Population Growth**

In the North:

- **Reduce Resource Consumption**



Total Births



133 million babies were born in the year 2000. In territories with the fewest births per person, more people are dying than are being born. As with all population statistics, even this vital one, figures are rough estimates.

More children are born each year in Africa than are born in the Americas, all of Europe and Japan put together. Worldwide, more than a third of a million new people will be born on your birthday this year.

This map shows the proportion of the world's total births for each territory.



Land area

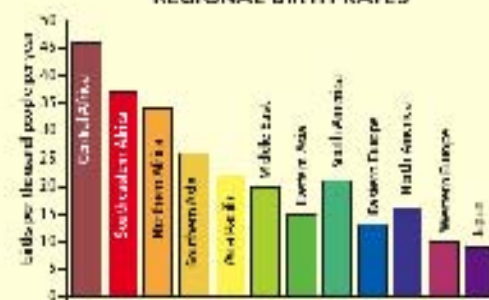
Technical notes:
 * Data source: World Health Organization, 2000
 * Birth rates: per 1000 people per year
 * Some territories are not shown

HIGHEST AND LOWEST BIRTH RATES

Rank	Territory	Value	Rank	Territory	Value
1	Niger	52	101	Germany	9
2	Angola	50	102	Italy	9
3	Guinea-Bissau	49	103	Ukraine	9
4	Somalia	49	104	Belarus	9
5	Democratic Republic of Congo	48	105	Russian Federation	9
6	Uganda	48	106	Czech Republic	9
7	Mali	47	107	Ukraine	9
8	Sierra Leone	47	108	Slovenia	9
9	Burkina Faso	46	109	Latvia	9
10	Chad	46	110	Bulgaria	9

births per 1000 people per year

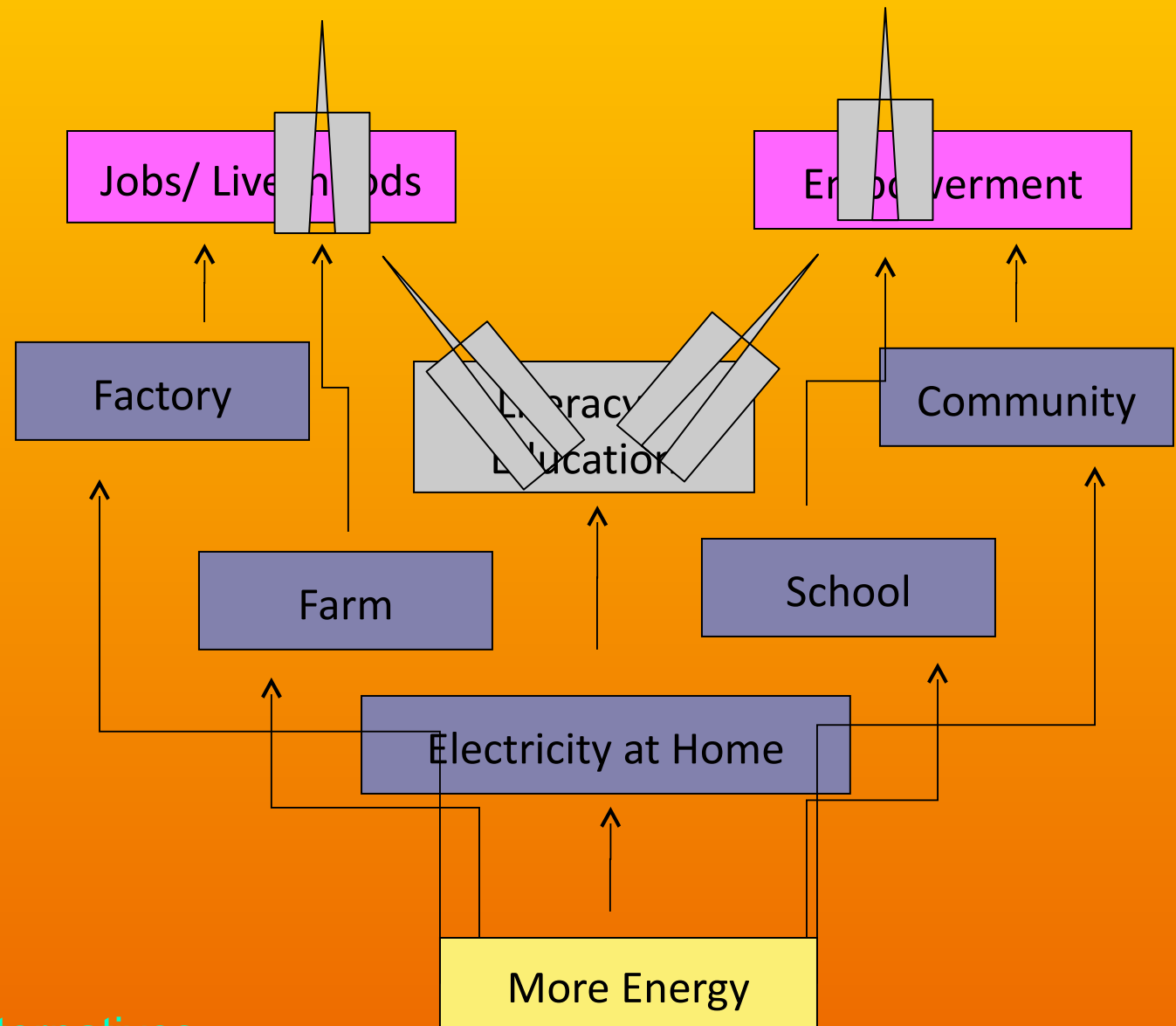
REGIONAL BIRTH RATES



"The birth of a baby is an occasion for weaving hopeful dreams about the future." Aung San Suu Kyi, 1997



Motivation for Family Planning



Mining the Earth



Power Generation



A Sustainable World

- *Just Societies*
- *Green Economies*

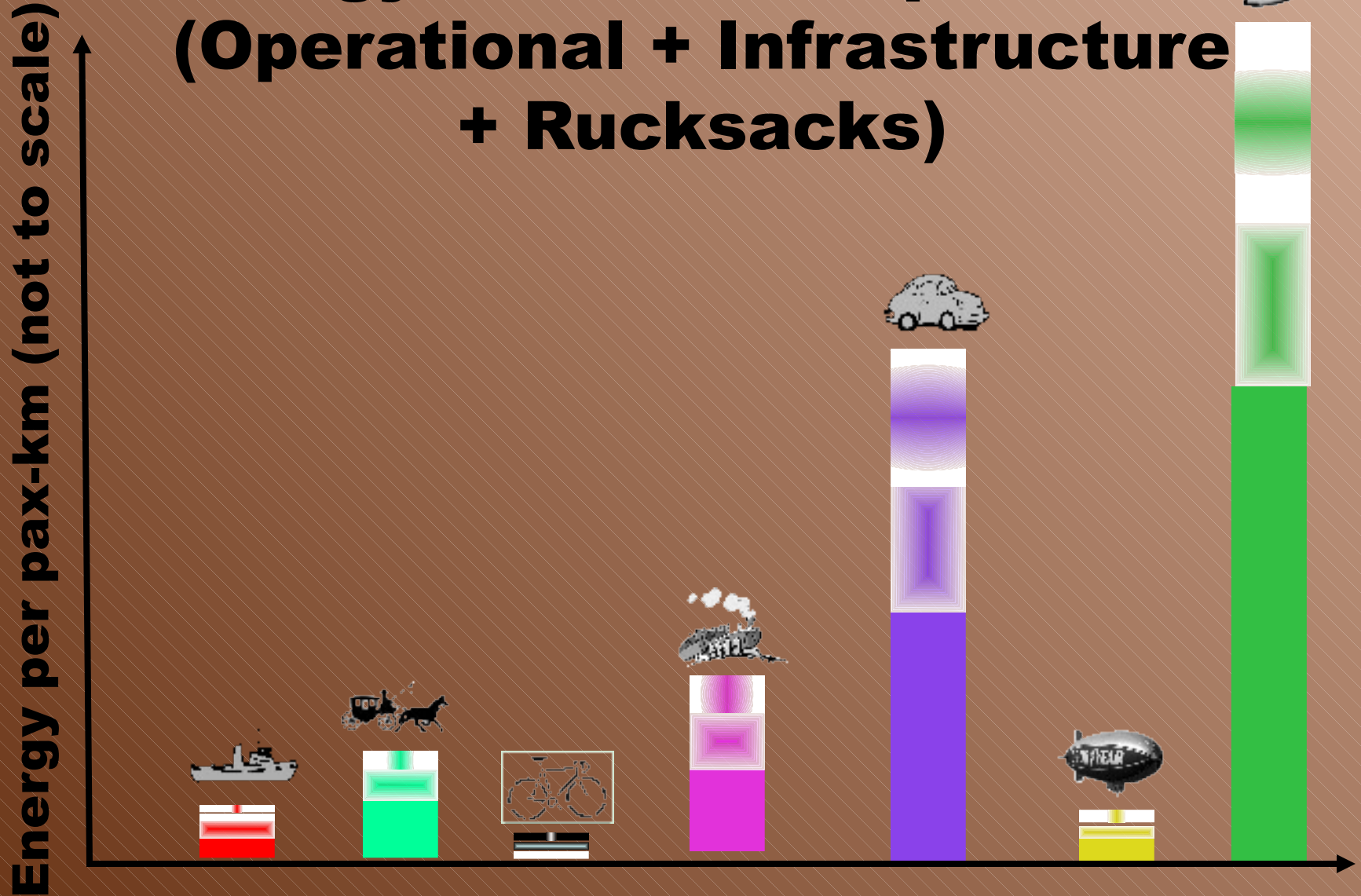


Economics

Full Costs



Energy Use in Transportation (Operational + Infrastructure + Rucksacks)



Development Alternatives

A composite image featuring a globe of Earth, mushrooms, red berries, and a frog, symbolizing the five kingdoms of nature.

Use The Five Kingdoms of Nature*

- **Animals**
- **Plants**
- **Fungi**
- **Algae**
- **Bacteria**

Rio + 20 Outcomes: Sustainability Solutions

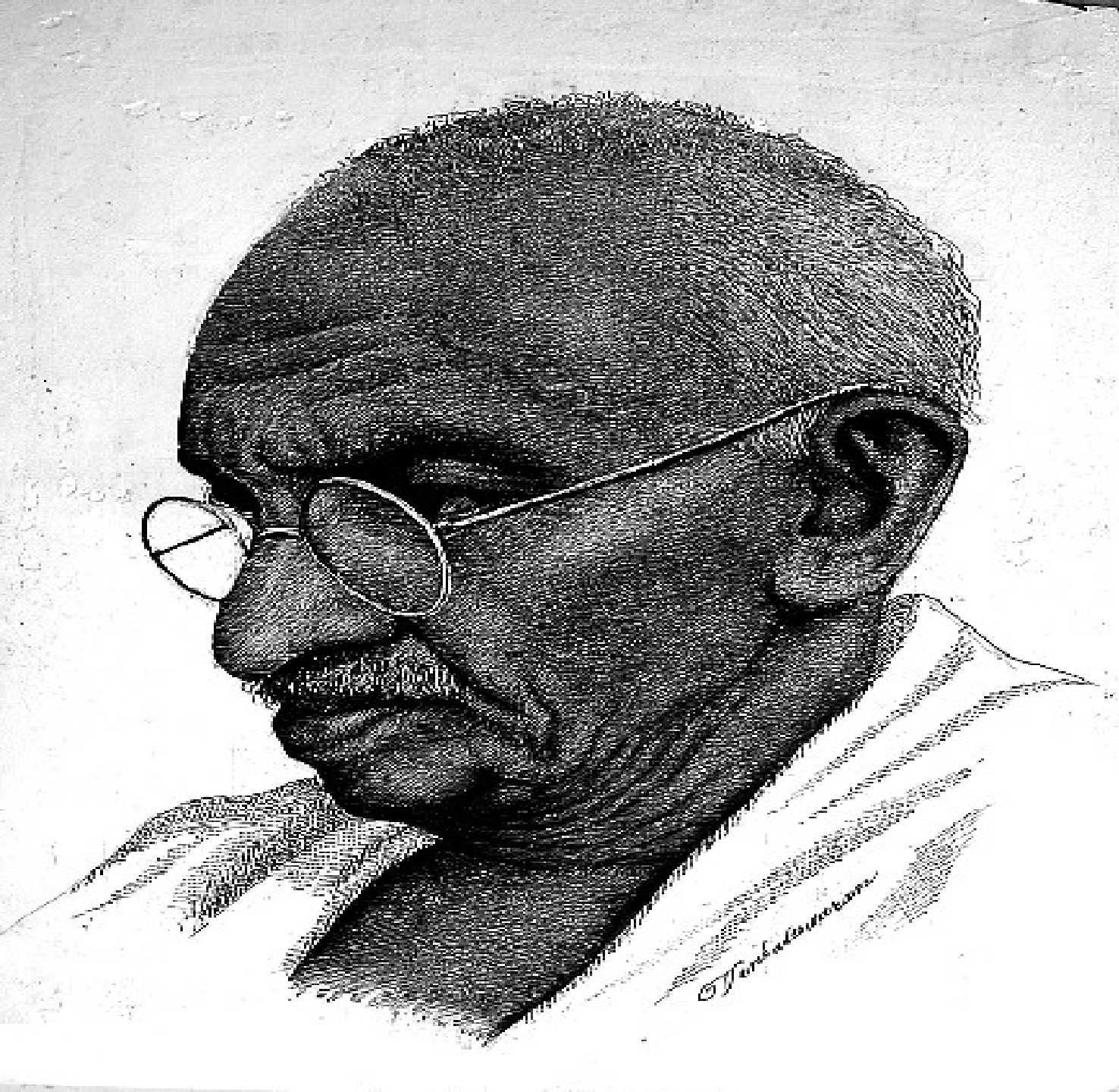
Invest *NOW* in:

- ❖ **People**
- ❖ **Nature**
- ❖ **Knowledge**
- ❖ **Action**
- ❖ **Global Security**





**“Enough
for every
one’s
need –
but not
enough
for even
one man’s
greed”**



Our One Earth



Development Alternatives