

STRATEGIC FRAMEWORK FOR SUSTAINABILITY

Concept Poster v2a – 1st September 2010

HUMANITY'S TWO GREATEST CHALLENGES

PEAK OIL

- Coal to liquids
- Gas to liquids
- Relaxed drilling regulations
- Massively scaled biofuels
- Tar sands and non-conventional oils
- Resource nationalism and stockpiling

CLIMATE CHANGE

- Climate engineering
- Carbon capture and storage
- Tree-based carbon offsets
- International emissions trading
- Climate adaptation
- Improved transport logistics
- Nuclear power

WHEN SEEN AS TWO ASPECTS OF THE SAME PROBLEM: BUILDING RESILIENCE PLUS CUTTING CARBON EMISSIONS

Planned relocalisation (building local resilience)

- Tradable energy quotas
- Decentralised energy infrastructure
- The Great Re-skilling
- Localised food production (food feet)
- Energy descent planning
- Local currencies
- Local medicinal capacity

Excerpt from Transition Handbook

PLANETARY SURVIVAL MEASURES

Reducing Carbon Emissions

- Does not change bad industrial practices
- Does not reduce consumption patterns
- Shifts emissions to lesser pollutants
- Does not enable equitable development
- May be difficult to measure effectively

"Smoke and mirrors Fogenhagen"

Reducing Ecological Footprint

- Promotes industrial efficiencies
- Reduces consumption patterns
- Promotes spread of new efficiencies
- Enables equitable development
- Measures are more tangible

"A vivid measurement of how many more planets humanity requires"

HUMANITY'S FUTURE SCENARIOS

Stagnation Scenario

- 1st World tries to maintain high level of consumption & lifestyle
- 1st World is swamped by 3rd World immigrants
- Human skills flight from 3rd World
- Overall stagnation from population shifts

Sustainable Humanity Scenario

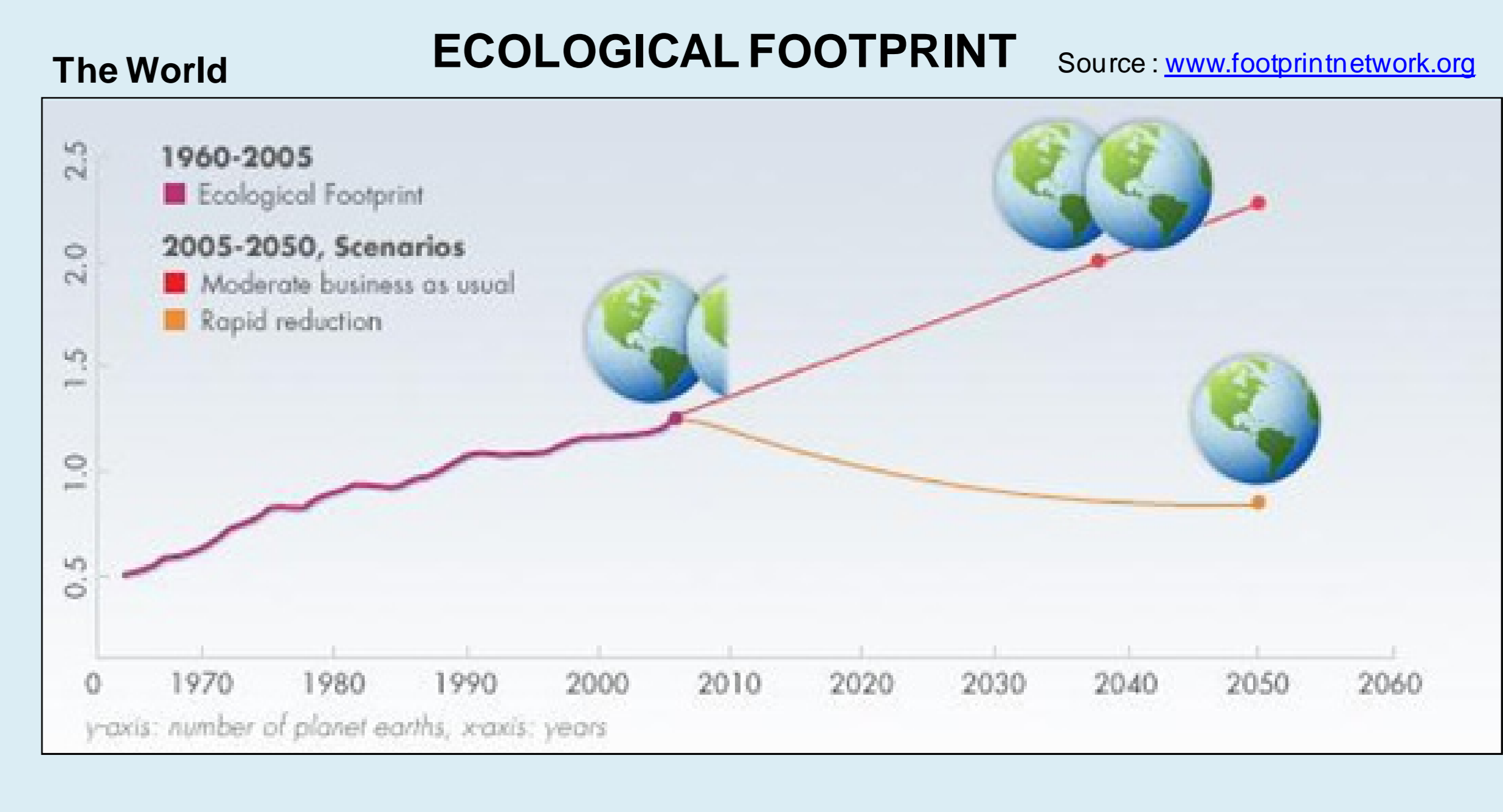
- Ecological Footprint of Nations converges to Biocapacity
- Minimal resource conflicts
- Low Gini coefficients

Ecocide Scenario

- 3rd World tries to emulate 1st World consumption
- Economic growth until resources exhausted
- Major contributor to Climate Change
- Overshoot and collapse
- Threat to worldwide human survival

Resource Wars Scenario

- 3rd World plundered of resources
- Decrease in ecological footprint but at expense of the 3rd World
- 1st World economies grow but 3rd World economies stagnate
- Increased resource wars



Regional Level

STRATEGIC FRAMEWORK FOR SUSTAINABILITY

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF from 3 to 2 in 10 & 20 years, respectively	1. Promote LEISA practices 2. Establish Farmers Support Centres 3. Promote small farmers markets 4. Establish DFIs for small scale farmers 5. Redistribute land to small scale farmers	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Agricultural Sector 5421020 UK Plan

Economic Sector

STRATEGIC FRAMEWORK FOR AGRICULTURAL SECTOR SUSTAINABILITY

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 2 in 10 & 20 years, respectively	1. Promote LEISA practices 2. Establish Farmers Support Centres 3. Promote small farmers markets 4. Establish DFIs for small scale farmers 5. Redistribute land to small scale farmers	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Agricultural Sector 5421020 UK Plan

STRATEGIC FRAMEWORK TRANSPORT SECTOR SUSTAINABILITY

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 1 in 10 & 20 years, respectively	1. Establish more bus routes 2. Establish more rail rolling stock 3. Promote usage of renewable fuels 4. Establish more cycling routes 5. Build less roads	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Transport Sector 5421020 UK Plan

STRATEGIC FRAMEWORK ENERGY SECTOR SUSTAINABILITY

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 1 in 10 & 20 years, respectively	1. Establish wind farms 2. Establish solar heating 3. Establish biomass energy plants 4. Establish micro-hydro schemes 5. Establish geothermal plants	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Energy Sector 5421020 UK Plan

STRATEGIC FRAMEWORK CONSTRUCTION SECTOR SUSTAINABILITY

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 1 in 10 & 20 years, respectively	1. Promote natural building systems 2. Promote retro fitting 3. Promote rehab rather than new build 4. Promote ecological sanitation & water use 5. Promote holistic planning & mixed use	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Construction Sector 5421020 UK Plan

STRATEGIC FRAMEWORK TOURISM SECTOR SUSTAINABILITY

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 1 in 10 & 20 years, respectively	1. Promote cultural tourism 2. Promote home stay experiences 3. Promote local eco-destinations 4. Promote sports adventure tourism 5. Promote pilgrimage routes	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Tourism Sector 5421020 UK Plan

CONCEPTUAL HIERARCHY OF STRATEGIC FRAMEWORKS FOR SUSTAINABILITY

STRATEGIC FRAMEWORK FOR SUSTAINABILITY

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF from 5 to 4 ha to 2 ha pc in 10 & 20 years, respectively	1. Promote LEISA practices 2. Establish Farmers Support Centres 3. Promote small farmers markets 4. Establish DFIs for small scale farmers 5. Redistribute land to small scale farmers	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Humanity's Ecological Footprint (EF) to within its Biocapacity 5421020 UK Plan

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 4 ha to 2 ha pc in 10 & 20 years, respectively	1. Establish more bus routes 2. Establish more rail rolling stock 3. Promote usage of renewable fuels 4. Establish more cycling routes 5. Build less roads	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Transport Sector 5421020 UK Plan

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 3 ha to 2 ha pc in 10 & 20 years, respectively	1. Establish wind farms 2. Establish solar heating 3. Establish biomass energy plants 4. Establish micro-hydro schemes 5. Establish geothermal plants	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Energy Sector 5421020 UK Plan

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 2 ha to 1 ha pc in 10 & 20 years, respectively	1. Promote natural building systems 2. Promote retro fitting 3. Promote rehab rather than new build 4. Promote ecological sanitation & water use 5. Promote holistic planning & mixed use	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Construction Sector 5421020 UK Plan

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 1 ha to 0.5 ha pc in 10 & 20 years, respectively	1. Promote cultural tourism 2. Promote home stay experiences 3. Promote local eco-destinations 4. Promote sports adventure tourism 5. Promote pilgrimage routes	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Ecological Footprint of Tourism Sector 5421020 UK Plan

Key Performance Measures	Action Plans	Critical Success Factors	Design Principles	Values	Goal
Reduce EF to 0.5 ha to 0.2 ha pc in 10 & 20 years, respectively	1. Promote LEISA practices 2. Establish Farmers Support Centres 3. Promote small farmers markets 4. Establish DFIs for small scale farmers 5. Redistribute land to small scale farmers	Public sensitization Resilience Land rental tax system New currency systems Energy Descent Planning Plan for 7 generations	Enabling Environment Re-localization New currency systems Energy Descent Planning Plan for 7 generations	Earth Care • Maintain eco-diversity • Environmental jurisprudence • Plan for 7 generations	To reduce Humanity's Ecological Footprint (EF) to within its Biocapacity 5421020 UK Plan

