

Content

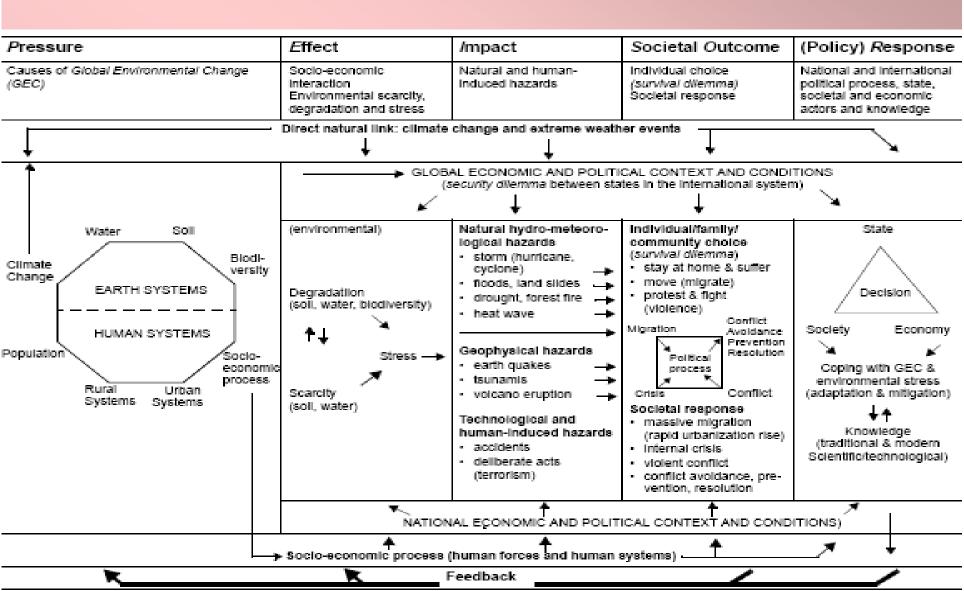
- 1. Hobbes the business-as-usual approach causing Global Environmental Change (GEC)
- 2. PEISOR model for analysis
- 3. Land and water conflicts in Mexico
- Reconceptualization of security; a HUGE-Security: human, gender and environmental security
- 5. 4th Green and Sustainable Revolution

1. Hobbes and the Business-asusual Approach

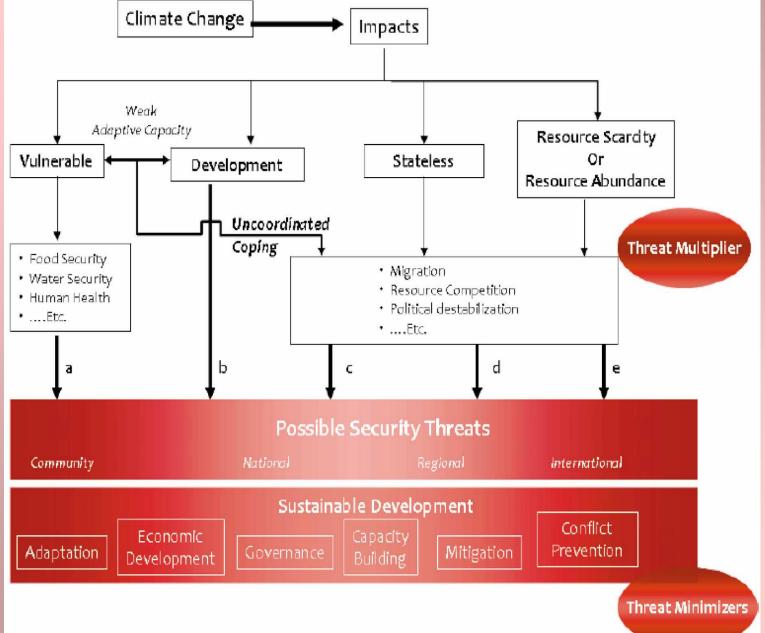
Global and Systemic Crisis:

- Financial-economic debacle: rescue 27 trillions USD
- Population growth: 8.5 to 9 billion people
- Climate change: 2 to 6.5° C?
- Urbanization and slum development: over half of world population
- Employment and poverty: 4 billion poor people
- Environmental deterioration: bio-debt
- Water security: 1.1 billion without water; 2.4 billion without sanitation facilities
- Food, obesity and famine: 1 billion hungry, 4 billion are overweighed
- Health threats: each second person in the USA will get cancer; 90% of illnesses related to water
- Psychological disorders
- Gender violence: each 3 women is beaten; each 5th is raped
- Conflicts, violence and social disorders: terrorisms, fundamentalism, resource-related wars, internal disputes about goods, international conflicts on crucial natural resources

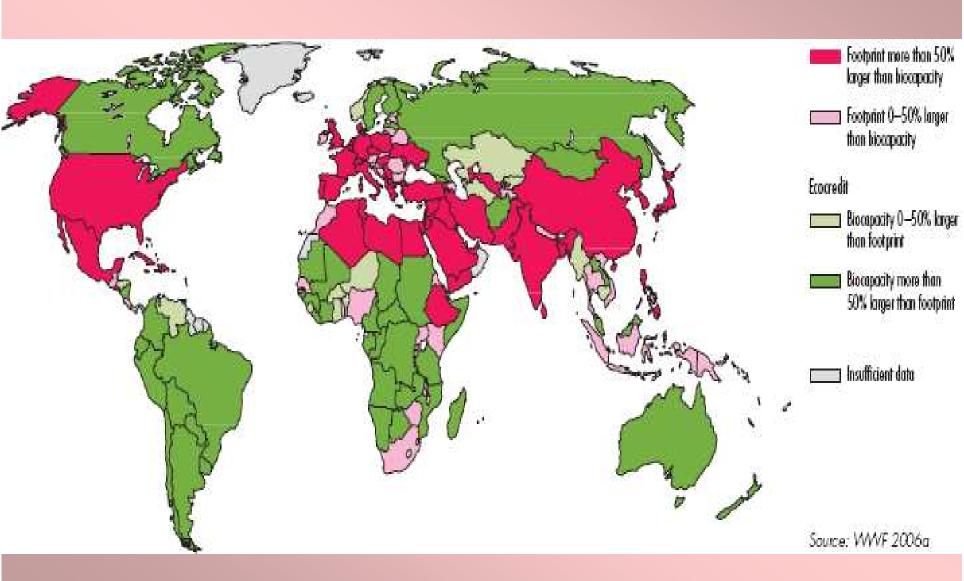
2. PEISOR Model (Brauch/Oswald, 2009:9)



Dangers for Humankind: Climate Change

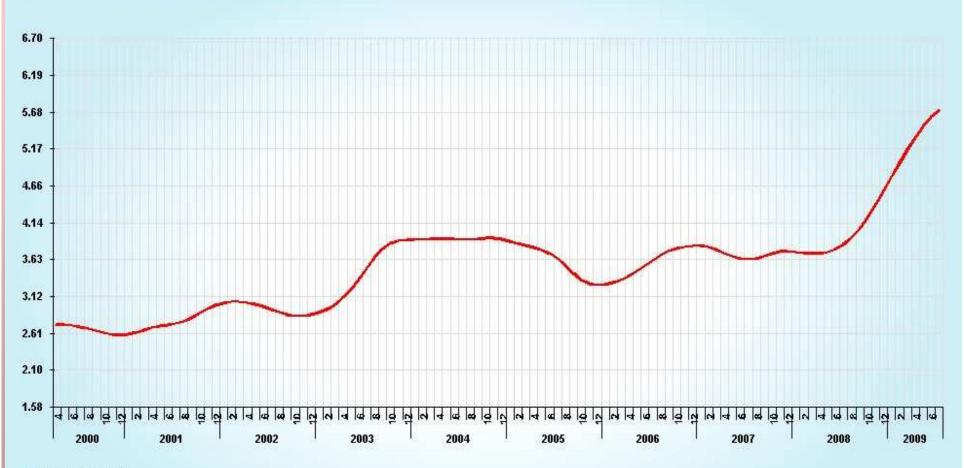


Bio-capacity and bio-debt



Unemployment in Mexico

Indicadores económicos de coyuntura - Indicadores desestacionalizados y de tendencia - Indicadores de ocupación y empleo - Mensual - Encuesta nacional de ocupación y emp - Nacional - Tasa de desocupación, serie unificada - Total



Serie de tendencia

Unidades: Porcentaje de la Población Económicamente Activa Fuente: INEGI. Series calculadas por métodos econométricos a partir de la Encuesta Nacional de Ocupación y ...

Economic Crisis in Mexico

- 46 o 54.8(51%) million of Mexicans are poor.
 Increase of poverty in Latin America in 2009: 8.3 millions (1/2 of it in Mexico)
- Unemployment more than 6 million people
- ½ of the occupied works in the informal sector
- Situation in the rural areas: 500,000 employment lost/year; 35% of people without income:
 - 11.615 millions employed
 - 24% until one minimal salary: 7. 964 millions
 - 27.9% until two minimal salaries: 8. 422 millions
 - 7% from 2 to 5 minimal salaries: 2.113 millions
 - 6.1% more than five minimal salaries: 1.841 millions

3. Land conflicts

- 343,021 conflicts subdivided in:
- 72.1% conflicts for individual possession of the land, succession of ejidal and communal rights and possession of urban plot of land;
- 10.6% due to **urban plots of land** of the population with limits among ejidos, private propriety and communal land
- 11.48% for arbitrary exclusion from land use **as ejido or communal land, especially women peasants producing on their land.** Only 18% of the land in Mexico is in the hand of women
- 5.79% other conflicts.

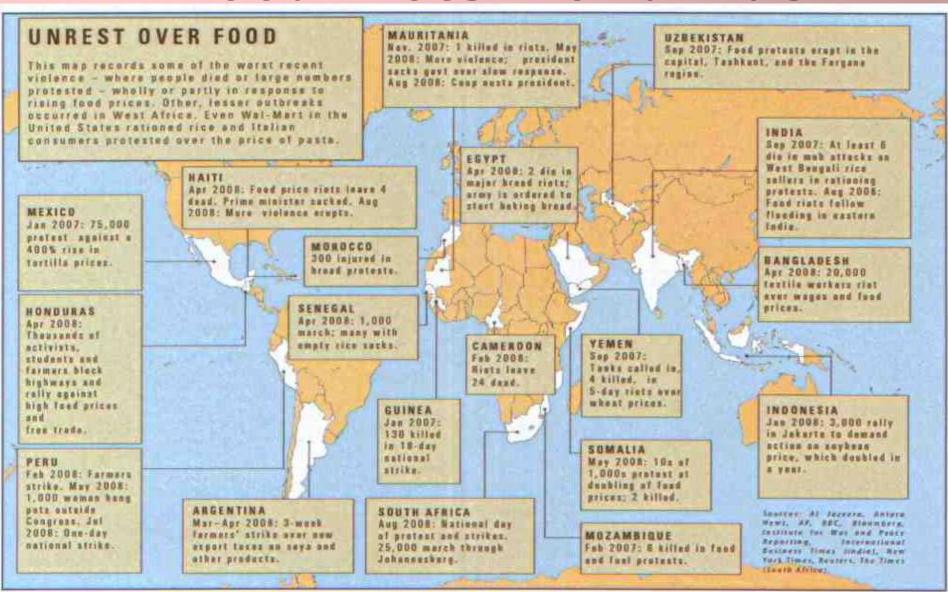
Agrarian Justice

- Agrarian General Attorney: between 1995 and 2000 the legal support increased form 31,051 to 78,845 cases
- Legal representation in tribunals increased form 7,886 to 34,283
- Settled disputes reduced from 32,264 to 30,653 (SRA, 2008)

Economic crisis in agriculture

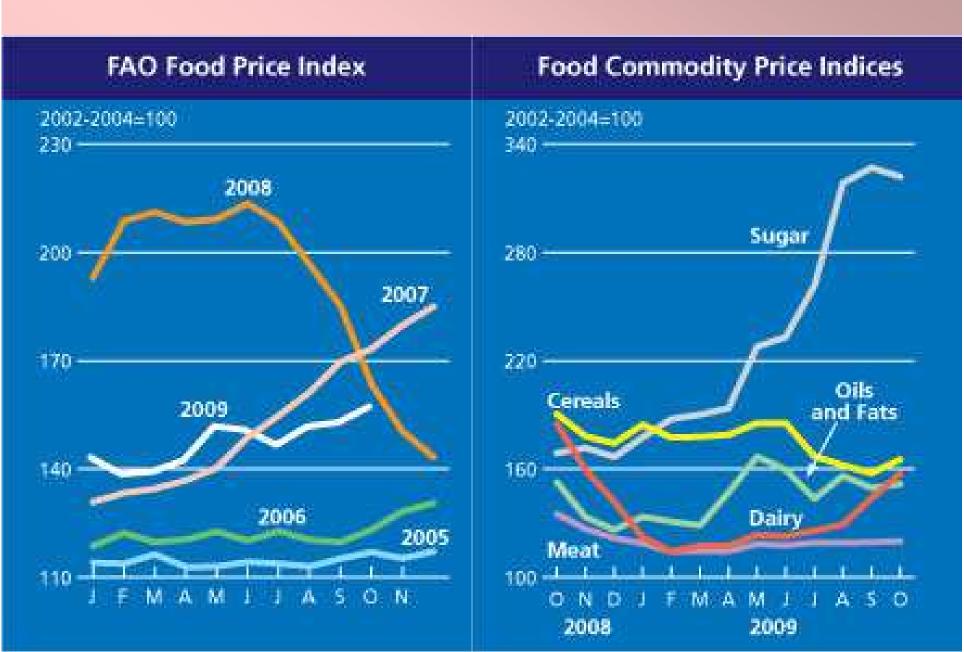
- Price for basic food basket increased and rural family lost 44 % of their even deteriorated livelihood.
- 80% of hunger in rural area: children, women
- 28.28 millions of peasants can't buy no the basic food basket; only 3.954 families are able to consume it
- Rural Migration increased 40% in six years.
- In May 2009, from 33.185 millions people in the rural area only 8.5 millions worked in the agricultural activities

Food Riots Worldwide

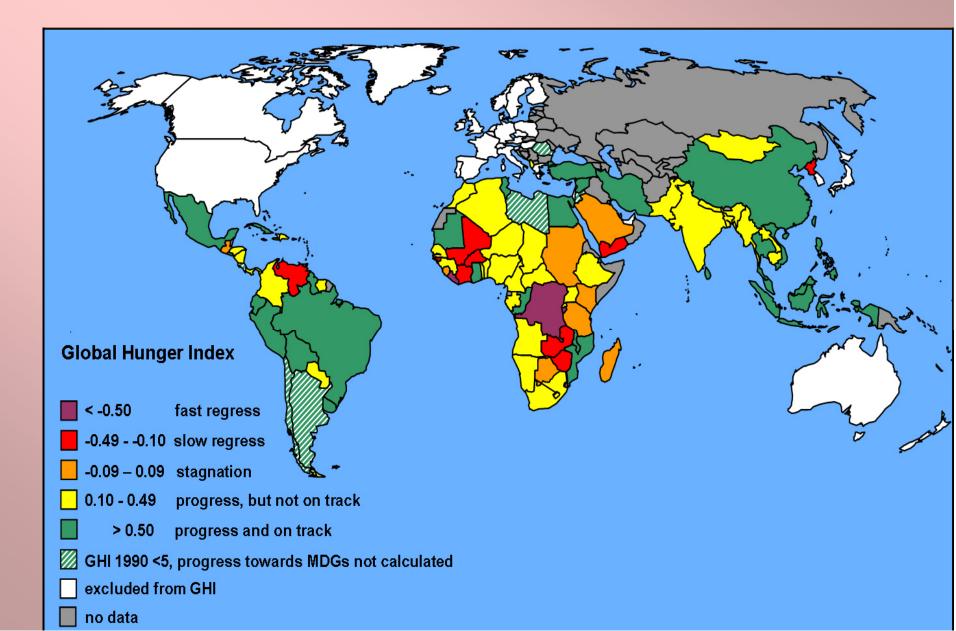


Fuente: IISS Strategic Comments, 14,9 (9 Nov. 2008): 2

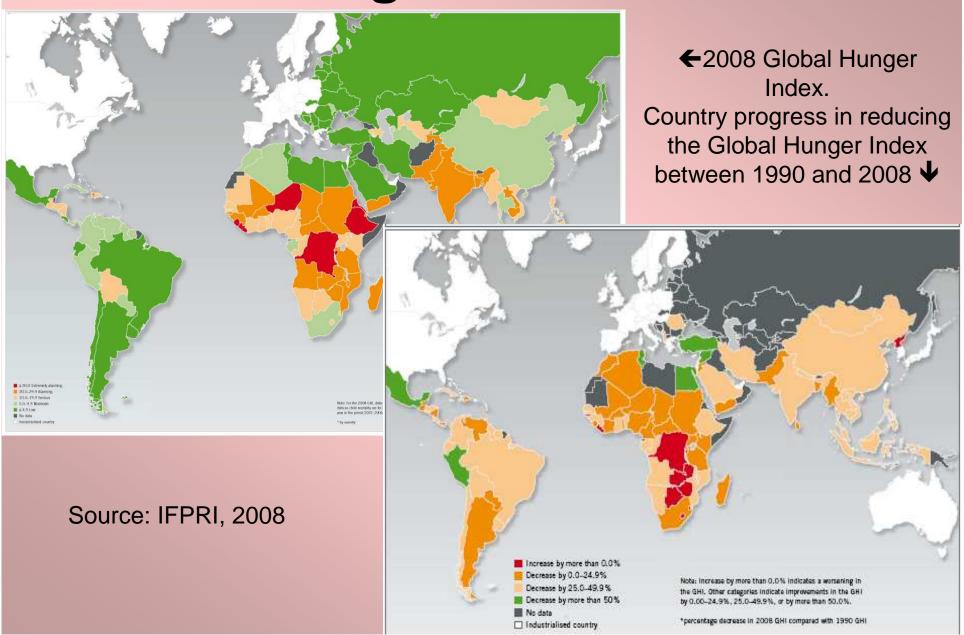
Speculation with Food, Nov. 2009



Índice de Hambre en el Mundo



Global Hunger Index 1990 & 2008



P: Pressure: Interactions of GEC

Reduced carbon sequestration above & below grand carbon reserves

CLIMATE CHANGE

global temperature increase climate variability

extreme weather events

reduced carbon reserves & increaased CO2

Desertification Land Degradation & Drought

Reduced primary production & nutrient

cycling droughts

urbanization in drylands land degradation

soil erosion

salinization sodification

compactation of soils



water erosion

matters in soils

decrease in organic

BIODIVERSITY LOSS

lack of water

and food

change in community structure & ethnic diversity

poor irrigation

watershed degratation

accumulation of toxic substance

aguifer depletion

increase of in water & soil social vulnerability, poverty

sea level rise

pollution

rainfall variability

WATER STRESS

gender vulnerability & survival strategies

migration urbanization slums

forest fires

land slides

hydro meteorological disasters



Mitigation & Adaptation

decreased land & soil organism' species diversity

mining activities

land use change

reduced soil conservation

fauna loss

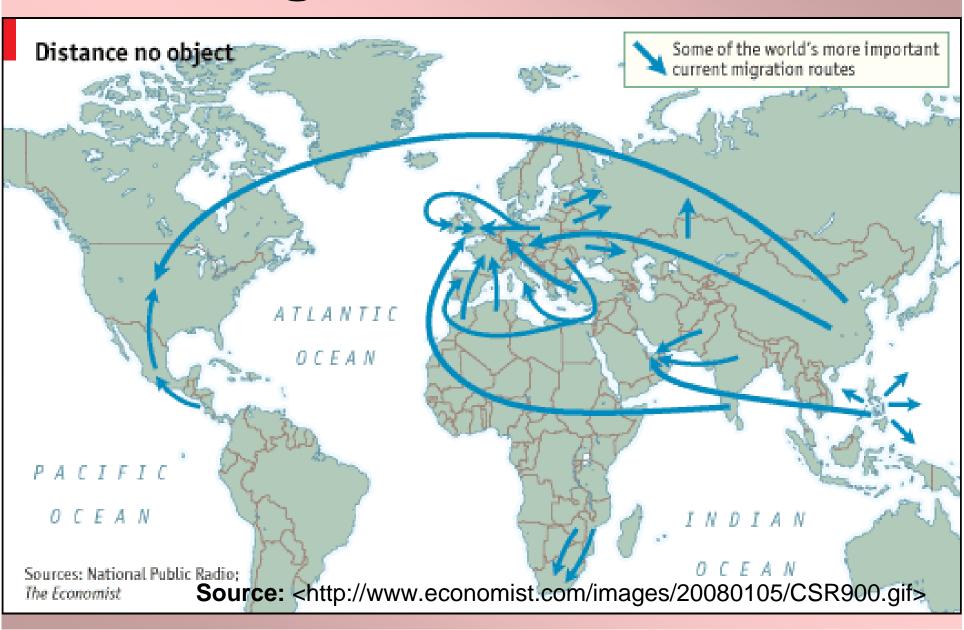
plant diseases & resistance

Societal Outcome (Policy) Response Individual choice National and international (survival dilemma) political process, state, societal and economic Societal response actors and knowledge ier events. CAL CONTEXT AND CONDITIONS ites in the international system) State Individual/family/ community choice (survival dilemma) stay at home & suffer move (migrate) Decision protest & fight (violence) Conflict. Migration Society Economy Avoidance: Prevention. Resolution Political. Coping with GEC & process environmental stress Conflict. (adaptation & mitigation) Crisis: Societal response massive migration Knowledge (rapid urbanization rise) (traditional & modern internal crisis. Scientific/technological) violent conflict conflict avoidance, prevention, resolution

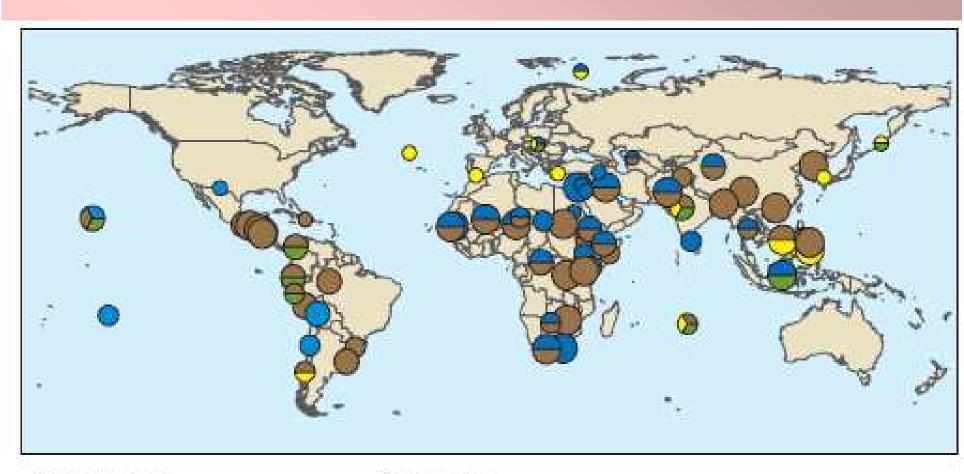
SO: Societal Outcomes

- Individual level (choice)Human security perspect.
- Survival dilemma of humans
- State/society level
 - Hunger, famine
 - Migration to urban slums
 - Rural-rural migration
 - Transborder migrationSeasonal (labour,nomads)
 - Permanent
 - Crises: domestic
 - Conflicts:
 - Peaceful protests
 - Violent clashes
 - Complex emergencies

Migration currents



Environmental conflicts (1980-2006)



Conflict intensity Diplomatic crisis Protests (partly violent) Use of violence (national scope) Systematic/collective violence



Blimelingurolity

Source: WBGU (2008: 32)

R:Policy Response to Land Conflicts

- How? Responsive vs. proactive action
 - Response: cost of non-action (Stern R.)
 - Proactive: anticipatory knowledge, learning, action
- What? Addressing causes (pressure)
 - Earth system: environmental quartet
 - Human: productive/consumptive behavior
- Responding to Effects & Impacts
 - Environmental stress
 - Climate-related natural hazards
- Dealing with Societal Outcomes

	The State	Territ. integrity	State, substate actors
Determination Which security?	Reference object: Security of whom?	Value at risk: Security of what?	Source(s) of threat: Security from whom or what?
numan, Gender, Environmental Security			

Human security

Environmental sec.

Gender security

Individual,

humankind

Ecosystems, rural

Gender relations,

minorities

indigenous people,

and urban systems

Survival of

humankind

Sustainability

Equity, identity,

social relations,

solidarity,

tolerance

people

Nature, state,

globalization

Humankind, Nature

Patriarchy, totalitarian

governments, religious

cultures), intolerance

fundamentalism, dominant

institutions (élites,

4. HUGE

- Human, Gender and Environmental Security (HUGE) combines a wide gender concept (vulnerable) including children, elders, indigenous and other vulnerable groups with a human-centered focus on environmental security and peace challenges and analyzes the patriarchal, violent and exclusive structures within the family and society questioning the existing process of social representation-building and traditional role assignation between genders by overcoming the consolidated women discrimination, but also some narrow feminist approaches of male-female opposition anchored (Oswald,2001, 2004, 2006).
- It **reorients 'human security**' to create equity, development and conflict resolution through social organization, specific governmental policies, private ethical investments and legal reinforcements by stimulating sociopolitical participation of women, young and elders. At the international level HUGE improves free and equal access to world and regional markets without trade distortions. It stimulates further world **solidarity** to support the poorest countries with financial aid, technological support and debt relief.

- As a **holistic** concept, HUGE includes 'environmental security' concerns where a healthy environment, integral management of natural resources, prevention and remediation practices reduce vulnerability of hazard impacts. **Hazard-prone countries** are enabled to develop technical, economic and human support to reduce social vulnerability, to progress in internal organization and to stimulate **bottom-up resilience-building**, supporting rapidly and efficiently regions affected by social and natural disasters, counting also on efficient external help, effective early warning, evacuation, disaster support and reconstruction in regions affected by social and natural disasters.
- As nonviolent conflict resolution is a central part of personal and social identity in a world where processes of unification and diversification are occurring quicker than ever in the past history, human beings have a basic necessity to simplify and to put order into complex realities through social comparison. The upcoming systems of values, ideas and practices creates simultaneously processes of living together offering persons and groups the possibility to get familiarized with the social and material world, on behalf contradictory messages and behaviours.
 - Finally HUGE includes the consolidation of participatory democracy and governance, promoting conflict prevention, nonviolent conflict resolution processes and peace-building; a 'huge' solidarity process of sustainable & equal development.

5. The Fourth Green Revolution with Sustainable Development and Sustainable Peace

Revolutions

- Agricultural: 7,000-10,000 years ago: human settlements and Holocene
- Industrial: from 1750: urbanization with massive use of fossil energy
- *Technological-Communicative:* 1950: Globalization, GEC in the Anthropocene
- Green Revolution: 2020-2050: Tipping points or Sustainability

Crucial Elements: Culture

- is a globally organized way of life based on values, norms, beliefs, institutions and productive processes including the development of science and technology
- is transmitted from generation to generation by formal and informal processes
- is a learning process which includes acculturation and enculturation processes
- not based on natural laws but socially constructed: interests maintain and reinforce structures of power and mechanisms of control
- is so deeply internalized that it is perceived by the people as natural
- cultural products are shared by members of a society; they link people together due to identity patterns and social representations
- cognition process legitimized deep structures of beliefs/ behavior of complex relationship, interdependence progressive destruction of natural - human systems,
- individual/ social actors, institutions, regimes, and worldviews require fundamental change from cornucopian view to complex and sustainable biological-human system.

Worldview

- Worldview refers to a world perception, ideas and beliefs through which people interpret the world and interacts with it.
- Palmer (1996: 114) includes cognitive orientation of a society, its values, emotions, and ethics
- Aerts, Apostel, De Moor, Hellemans, Maex, Van Belle and Van der Veken (1994) comprise seven elements:

 an ontology (descriptive world model);
 an explanation;
 a futurology;
 values;
 a praxeology or a theory of action on how we should attain our goals;
 an epistemology, or a theory of knowledge on what is true and false;
 and
 an etiology or a constructed worldview with an account of its own building blocks, origins and construction.

Mindset

- Includes a fixed mental attitude or disposition that predetermines a person's responses to and interpretations of situations by referring to different patterns of perceiving and reasoning.
- Fisher (1997) used it as 'cultural lenses' that filter our view of and reaction to the world.
- Over-coming these deeply ingrained constraints cannot be solved by convenient technical fixes but requires much deeper and radical changes in our own aspirations and consumption patterns and those of civil society, the business community, and finally also those of our governments and international organizations

Governance

 Weiss and Thakur (forthcoming) defined governance as "the complex of formal and informal institutions, mechanisms, relationships, and processes between and among states, markets, citizens and organizations, both interand non-governmental, through which collective interests on the global plane are articulated, rights and obligations are established, and differences are mediated".

Obstacles Impeding the Change



Patriarchal Culture

- Patriarchy refers to a social organization that is a hierarchical, violent and exclusive, creating the systematic domination of women, children, poor and other men by male leaders.
- Patriarchy created that the other five billion the excluded do not have access to basic needs or the life-style of the top billion.
- Patriarchal mindset is shared by most religious traditions (Judaism, Hinduism, Christianity, Buddhism, Islam). Religious patriarchy is obstacle to cross-gender solidarity. However, religious structures are not an expression of divine law; rather, they are the result of historical events driven by human decisions.
- In gender studies patriarchy marked by the supremacy of a male figure, group of male figures, or men in general.
- It is depicted as subordinating women, children, and those whose genders and bodies defy traditional man/woman categorization.
- Some of these deeply rooted determining factors may have been influenced by religious beliefs, patriarchal patterns, and the market-based capitalist system that is primarily driven by a profit motive and less by a sense of societal and global obligations to the Earth System or – in belief terms to 'creation'.

Mindset of key decisionmakers expressed by:

- a) the *lack of will* to take the challenges posed by climate change seriously;
- b) the prevailing thinking in terms of short-term, often selfish, national, state, local community and individual interests that have put the climate change challenge down on the individual national and global priority list;
- c) the *lack of readiness* for a global climate deal based on the "common but differentiated responsibilities" and the lack of thinking in terms of common obligations based on solidarity and aiming at equitable sharing of the global resources.



Copenhagen a Failure?

Three outcomes of COP 15 in December 2009 in Copenhagen:

- 1. It raised climate change to the highest level of government
- 2. The Copenhagen Accord reflects a political consensus on the long-term, global response to climate change
- 3. The negotiations brought an almost full set of **decisions** to implement rapid climate action near to completion."
- Nevertheless: COP 15 noted the 'Copenhagen Accord' that
 was drafted and approved by a few governments (USA,
 China, India, Brazil and South Africa) outside the
 negotiation framework and without any legal obligations,
 where these governments agreed "to communicate their
 efforts to limit greenhouse gas emissions every two years,
 also listing their voluntary pledges before 31 January 2010".
- Obstacles are deeply rooted in our way of life, selfishness and egotistic aspirations for our own economic well-being

Alternatives

With regard to the 'Fourth Green Revolution' culture, worldview and mindset refer to a discussion of a post-carbon society, where solidarity, equity, and social justice are key drivers instead of the maximization of profits and the destruction of the Earth without thinking of the next generations or of the collapse of ecosystems.



Goals of 4th GSR

- Goal of a global average increase of temperature of 2 ℃ by 2099, through:
- a) enhanced energy efficiency, a shift towards renewables and a gradual dematerialization and decarbonization of the economy
- b) ecosystem recovery and restoration to maintain environmental services with involvement of women
- c) integrated water basin management, rain harvesting, providing safe water, sewage facilities (including recycling and reuse), enhancing irrigation efficiency and substitution with less water demanding plants
- d) combating **soil** erosion, degradation and desertification by integrated waste management, composting of organic **waste**; terracing, restoration of salinized and degraded soils, recovery of soil fertility by crop rotation with access to land for women
- e) changes in our 'ways of life' and 'lifestyles' by changing meatintensive diets to vegetarian food (food culture in hand of women)
- f) reduction of advertisements for a **consumerist waste economy** and enhancement of intellectual and spiritual aspirations
- g) political reforms of democratic governance to enhance longerterm orientations over short-termism, proactive over reactive policies with gender equity and participative governance.

International obligations for the FGR

International and peace community must take bold action:

- 1. on **climate change mitigation** to avoid an intensification of security threats to human and gender well-being;
- 2. provide support to climate change **adaptation in developing countries** through investments in capacity building on water management, food security, agricultural resilience, and public health systems to deal with increased disease incidence and risk with special focus on gender;
- 3. disaster prevention, preparedness and response, early warning systems for various climate change impacts and resilience-building among women
- 4. redouble its efforts for **sustainable and equitable development** through development assistance, sustainable economic growth, financial and technological support towards a low-carbon path
- 5. anticipate and prepare for unprecedented challenges beyond existing mechanisms
- 6. support **climate-induced displacement and migration** beyond existing legal protective regimes ('statelessness' of citizens of SIDS and impacts on sovereignty, claims over marine resources, and rights and relocation of their citizens) with special protection of women and children;
- 7. water scarcity and stress for millions due to melting of glaciers and snow pack avoiding greater burden on women
- 8. competition over newly accessible Arctic natural resources and trade routes

