

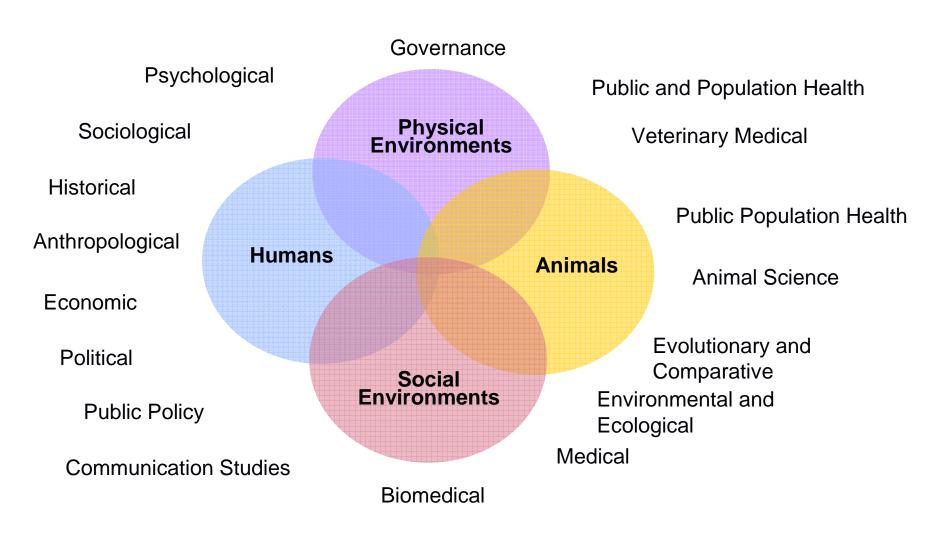
Content

- 1. From disciplinary knowledge to complex analysis and training for transformative science
- 2. Learning from nature for nature and human beings
- 3. Integrating risk analyses in science and technology
- 4. Common research questions, disciplinary methods and interdisciplinary interpretation
- 5. Systemic integration of knowledge through cluster analysis
- 6. Conclusions: What are the limits and potentials of social science development in Thailand (SSDT)? Research questions, general and specific objectives, goals, means, human and physical resources



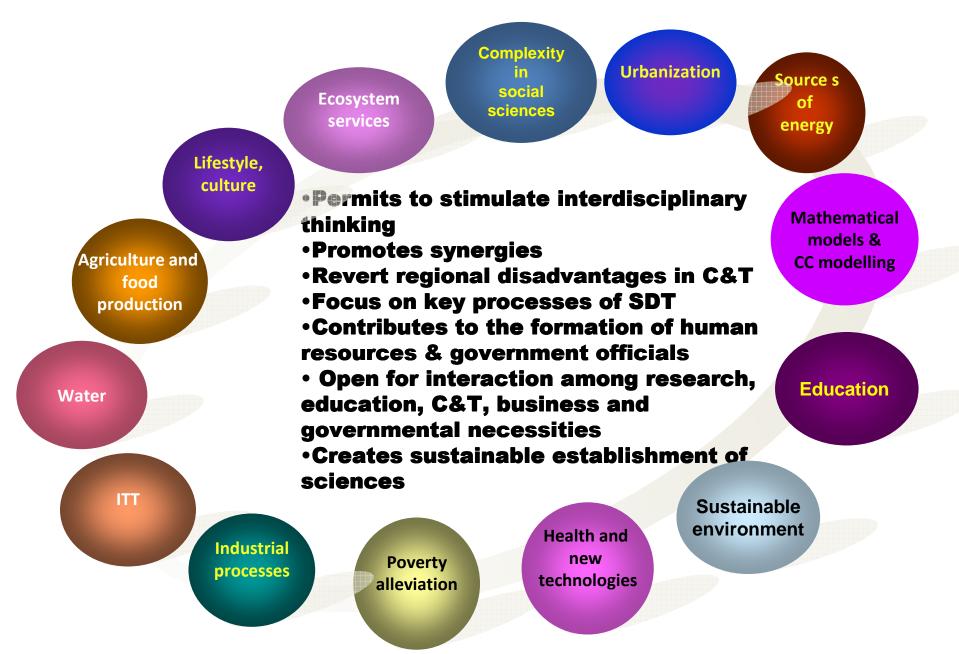
1. From disciplinary knowledge to complex analysis and training for transformative science

Interaction of practical and theoretical knowledge

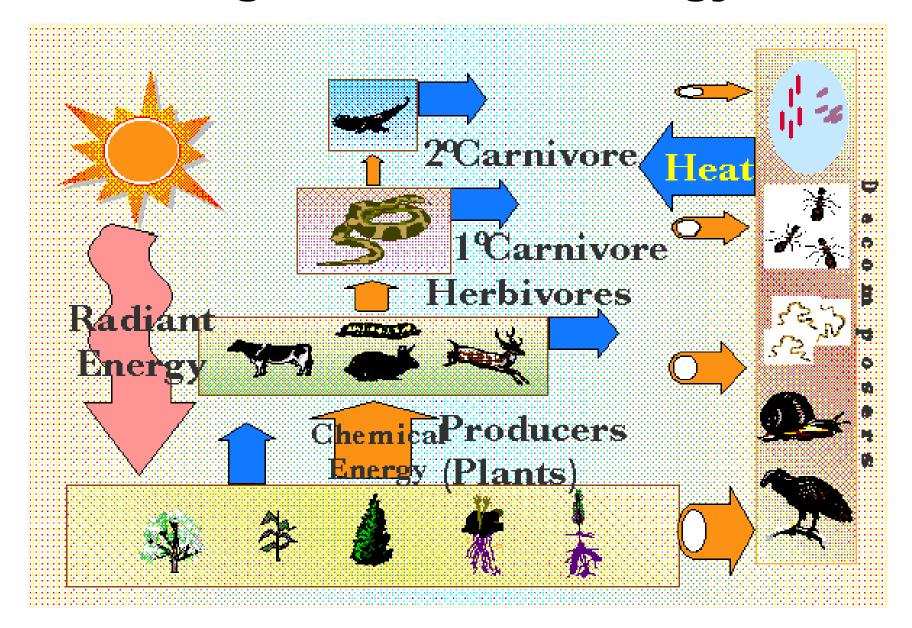


Source: Rock et al., 2009

Transversality of transdisciplinary knowledge



2. Learning from nature: energy flow



Integrated vision of knowledge: For nature and human being

Integrated vision

Social equity

Environmental sustainability

Economic efficiency

Integrated tools for planning and decision-making

Management instruments

Assessment Information Allocation instruments

Enabling environment

Policies Legislations Governance

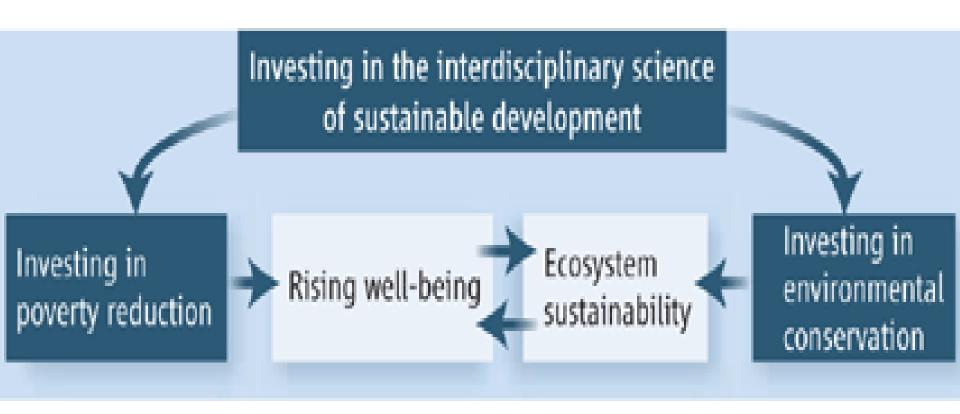
Institutional framework

Central-local River basin Public-private

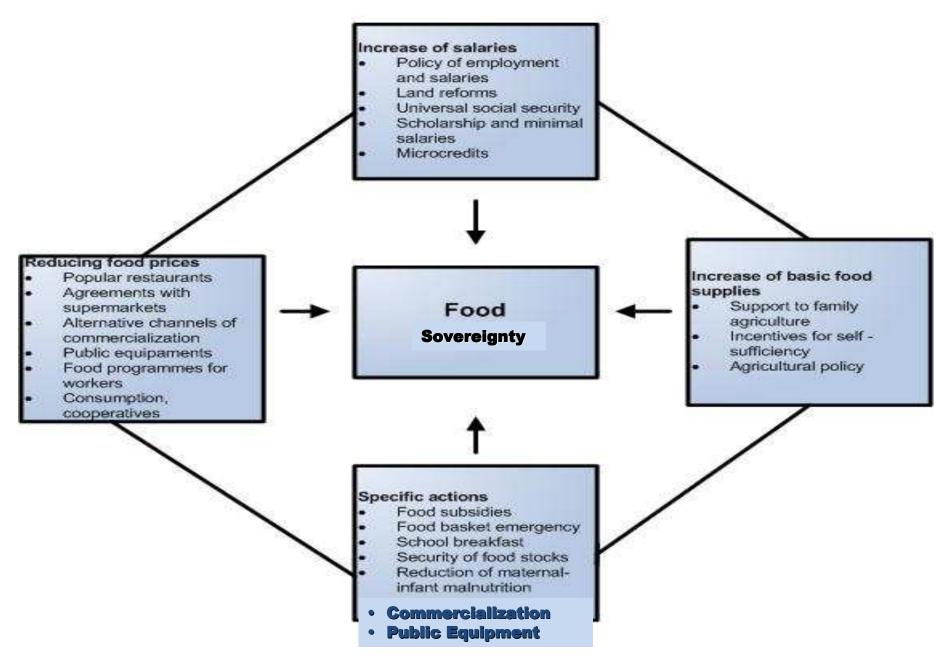
Integrated management of water as a resource and integrated framework for provision of water service

Source: GWP, 2002

Poverty alleviation, food security, social justice and sustainable social development: bases for SSDT



Program "Fome zero" (Without Hunger) in Brasil



Source: Instituto Cidadania, 2001, Sao Paulo, Brasil



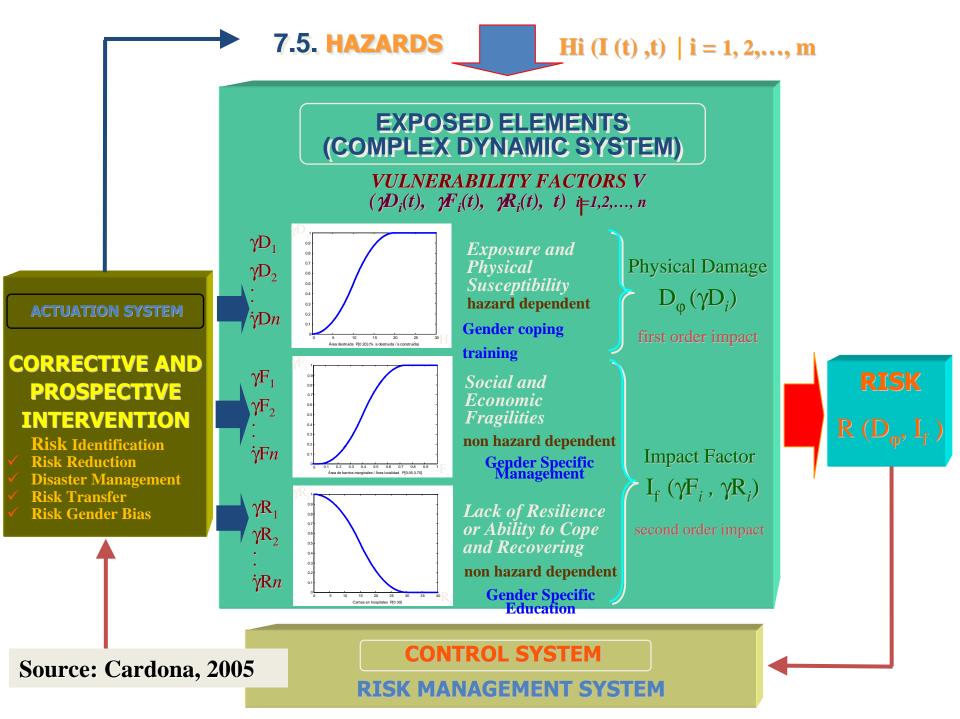
Global Risks (Beck, 2012)

- 1. De-localization: causes and consequences are not limited to one space: they are omnipresent. Do not respect borders and nation states and have long latency period (e.g. toxic waste, CC): nation-state is not the frame —— cosmopolitain post-modern authorities
- Incalculableness: unpredictable, complex, non-linear, global with local impacts and impersonal
- 3. Uncertainty: unknown, unpredictable future with cascading effects (Fukushima) or tipping points
- Non-compensatibility: precautionary principle, preventive & proactive instead of reactive behaviour

Risk and risk management: human management and technology

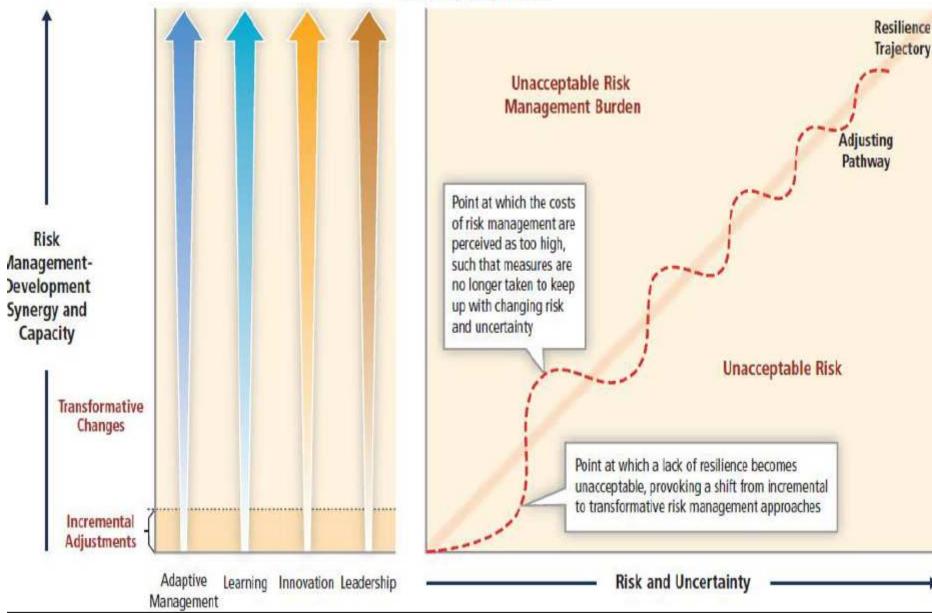
q	3	4	4.64
behavior	subcritical	subcritical	supercritical (explosion)

Source: Prigogine, 1989:2



Social sciences incremental & transformative pathways to

resilience Source: IPCC-SREX, 2012



Prevention

- 1. Reduction of 50% of green-house gases (GHG) by 2050: Post 2012
- 2. Resource conservation
- 3. Recycling and reuse
- 4. Restoration of deteriorated ecosystems (forests, corral reefs, mangroves)
- 5. River basin management
- 6. Actions against land erosion and desertification
- 7. Disaster risk reduction and risk management
- 8. Early warning systems
- 9. National preventive disaster systems
- 10. Gender-related disaster responses and training
- 11. Reduction of social vulnerability: 53% of disaster dead from countries with low human dev. index



4. Common integrated research questions, disciplinary methods of research and transdisciplinary interpretations and policy proposals

What are the limits and potentials of sustainable social science in Thailand?

General goal: Elaboration of a model of sustainable social development with social justice in short and medium-terms

"State of Art" of the present model of social development in

Thailand (SSDT)

Catalogue of existing tools:

SSD7

- Human resources
- Capacity building
- Institutions and research centres
- Infrastructure in Thailand

Existing disciplinary, multidisciplinary, institutional and multi-institutional research projects for SSDT

Publication of project of "State of Art" in Thai and English with methodological and empirical proposals for integrated study of

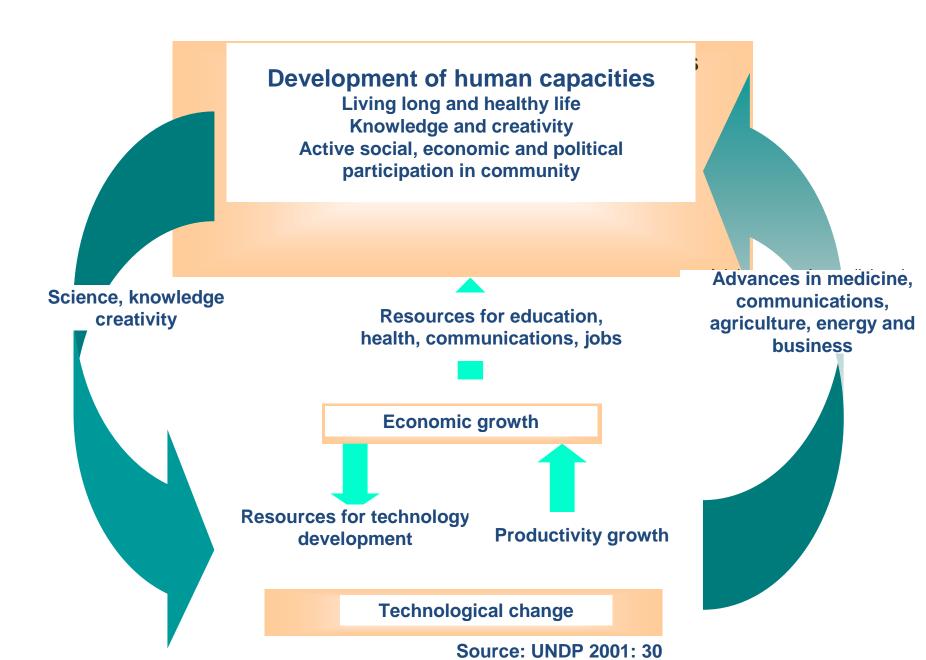
Specific objectives and goals

First year: development of research projects and data banks where the processes e.g. food, water, health, energy, transportation, education, lifestyles & culture could be empirically developed

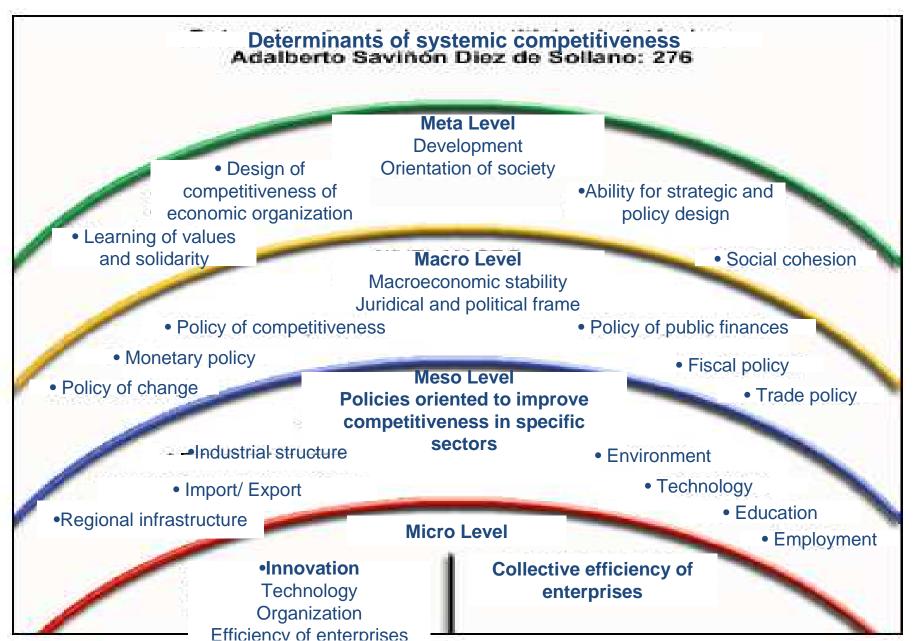
Financing from national and foreign sources (universities, HTF, Nat.Research Council, collaboration with foreign

Second and third year: creation of multidisciplinary, multi-institutional systemic projects, oriented to develop a national model of SSDT

Capacity Building



Systemic Competitiveness



Stakeholder' participation

- 1. Consolidation of democratic living together through institutions: objective value
- 2. Citizen attitude with knowledge and experiences: subjective value
- 3. Participation in necessary to consolidate democracy: political value
- 4. Taking part in the decision making process and the conduction of the society, beyond the electoral process and the vote: ethical value

Civil Society: occidental view

- 1. Jusnaturalists (Grotius): political society vs natural society
- 2. Locke, Kant, Rousseau, Hobbes: civilized society versus wild society
- 3. Marx: political society (State) vs civil society (private sphere)
- 4. Gramsci: political apparatus of State vs worker class
- 5. Liberalism: Nation-State vs citizen
- 6. Habermas: Transnacional enterprises vs posnacional civil society

Postnational Civil Society

- 1. Mediator between State and market;
- 2. Struggling for basic consensus;
- Integrated by individuals and no corporative behavior, representing interest of groups or parties;
- 4. Active within the state of law;
- 5. Consolidate democratic life through citizen participation;
- Globally articulated through common interests (sustainability, equity, legality, Human Rights, diversity);
- 7. Behave with values such as tolerance, pluralism, responsibility, solidarity, legality, justice, equity and sustainability
- 8. With gender equity and recognition of gift economy from women and men

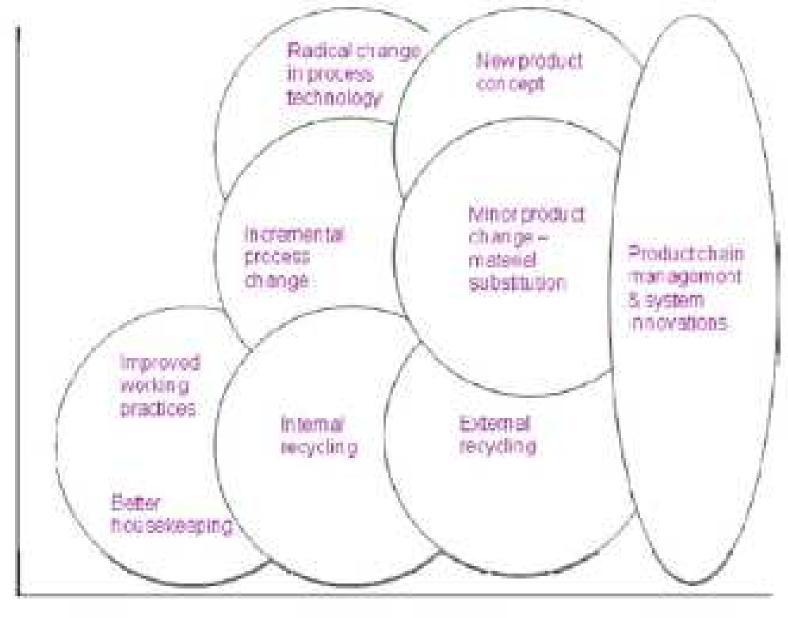


6. Conclusions: What are the limits & potentia-Is of social development in **Thailand?** Research question, general and specific objectives, goals, means, human and physical resources

Requires new resources

Types resource deployed

Redeploy existing resources



Local Actors in supply chain Source: Smith, Voss, Grin, 2010:4

Societal



Gender Empowerment mitigates GEC

Complex networks sustain human life in normal times. Vulnerability increases during disasters an conflicts.

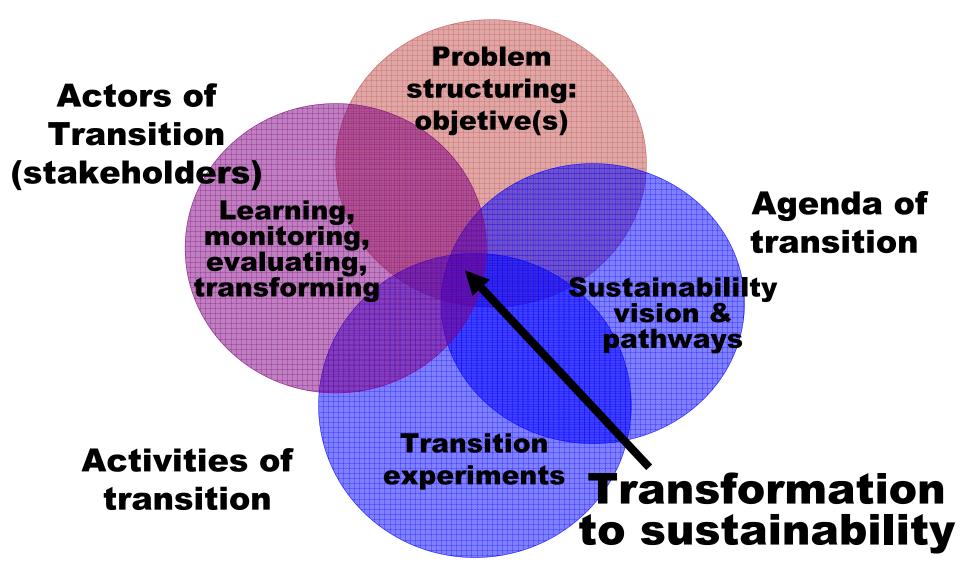
Alternatives:

- Develop complex networks and training to support social resilience and bottom-up empowerment.
- 2. Active female and male participation in education and disaster risk reduction reduces risks and create resilience.
- 3. In resilient societies women educate, care and maintain cultural and historical memory.
- 4. Survival strategies are basically in the hands of women.
- Empowerment of women reduces gender violence and insecurity prior, during and after disasters.



Transition process with peace

Arena of transition



Activities increasing double vulnerability

Conflicts, clashes,

of women and youth, elderly, organized

Activities

9

wellbeing

environmental destruction,

desertification, crime, extortion,

social discrimination

kidnapping,

-Dangerous, politicized, violent and conflictive environments, abandoned, affected, destroyed, vulnerable and neglected environments with highly social stratification

> alleviation, job creation, solidarity, governmental support and training for prevention, & times

HUGEsecurity

training, DRR -Policy of sustainability, equity and equality, negotiation of conflicts, community organization, income, -human rights, social obligations, fight against intrafamiliar violence, communitarian police

Agenda of livelihood

-Lack of education, health, income and employment, governmental support, hunger, extreme poverty, institutional neglect, gender discrimination & violence, mestizo privilege, landlords, organized crime, illegal crops, community conflicts on resources

Arenas of wellbeing

- Restored sites, trained people, poverty

mitigation, adaptation and preventior Strategies of adaptation, resilience negotiations, agreements, treaties, building and subsistence crops

of vulnerability Actors

·Marginally with shortage, helpless, without rights, abandoned, socially and physically ill, gender discrimination and violence,

eminicide, youth stigmatized, girls sold for early marriage

epression, mestizo landlords and hoarders, transnational mines,

Livelihood of actors

building, adaptation, dignity, Empowerment, resilience-

community organization,

crime, local crime, machismo, governmental

-Organized

Agendas of vulnerability

