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Interpreting socioeconomic and climate induced migration in Mexico

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Content

- 1. Location
- 2. Risks, threats & disasters in the river Yautepec
- 3. Climate-induced migration
- 4. Socioeconomic factors
- 5. Dual vulnerability
- 6. Social Vulnerability Index
- 7. Adaption without migration?

1. Location: Centre of the country

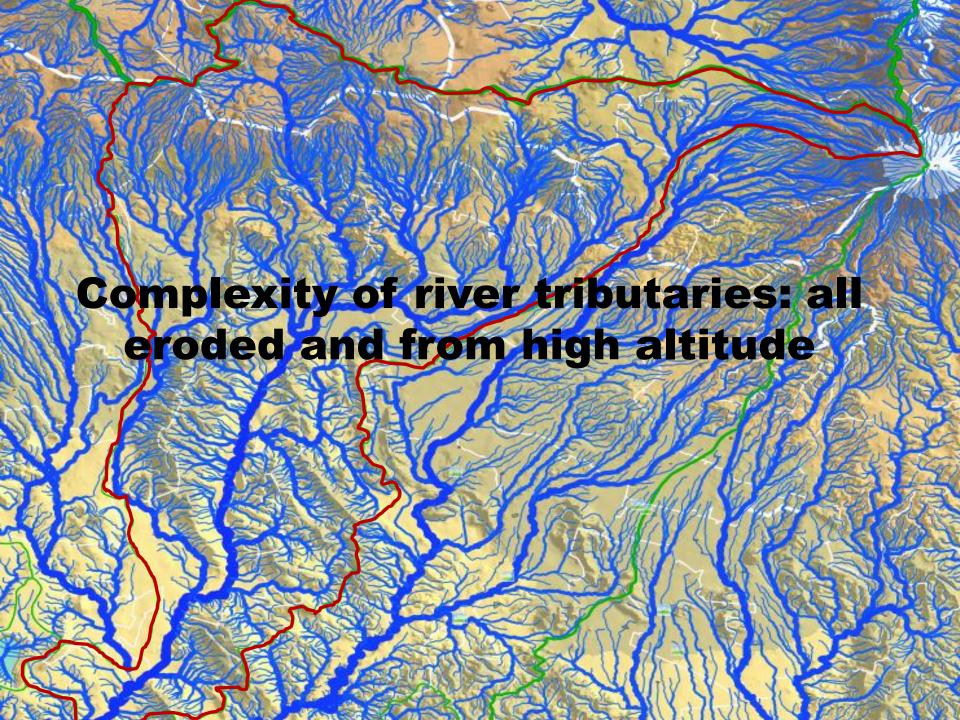


Transect from volcano Popocatéptl (5,452 m) to the Sierra Madre del Sur







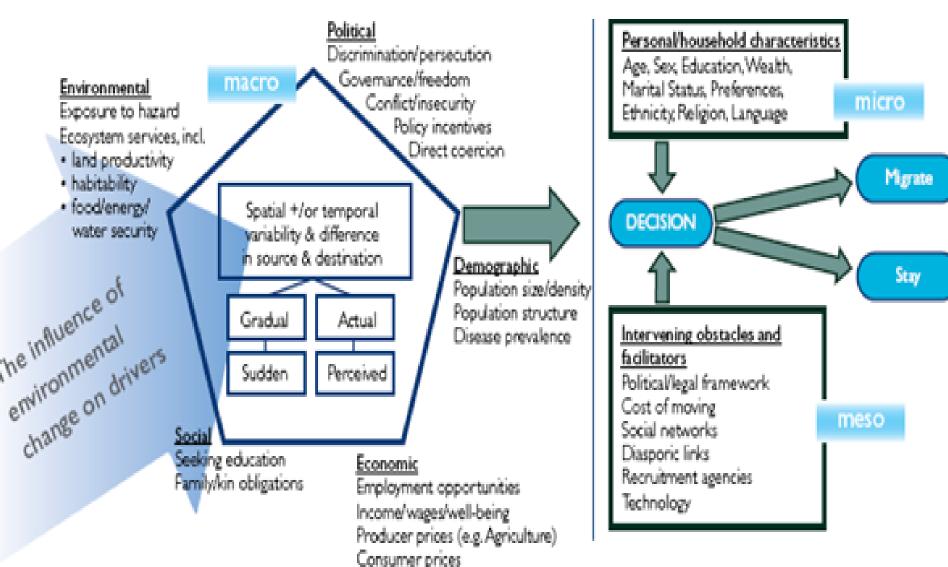




1. Controversial theories on environmentalinduced migration: environmental and climate induced migration as a complex phenomenon

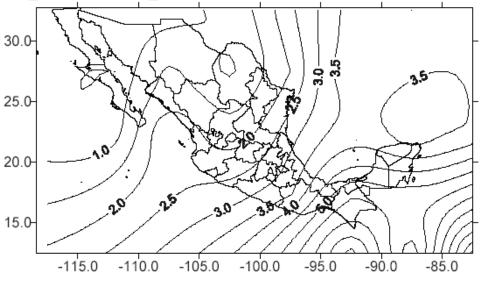
- "Environmental migrants are persons or groups of persons who, for compelling reasons of sudden or progressive changes in the environment that adversely affect their lives or living conditions, are obliged to leave their habitual homes, or choose to do so, either temporarily or permanently, and who move either within their country or abroad" (IOM, MC/INF/288 2007: 2).
- Why forced or induced?

Complex factors & levels of environmental induced migration

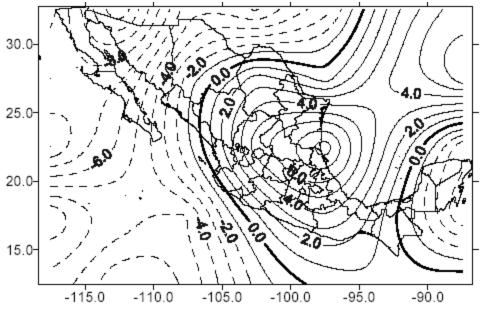




Potential changes in annual precipitation in Mexico for 2050



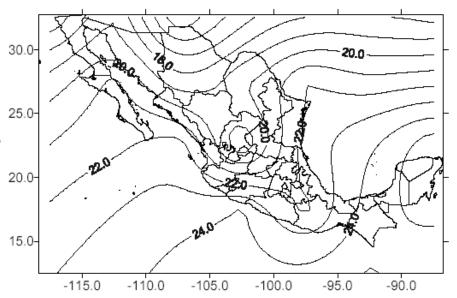
Scenario base (1961 – 1990) of average precipitation/year annual (mm/day)



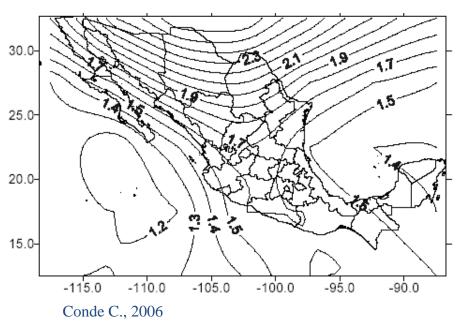
% of changes in average annual precipitation depending on medium sensitivity. The interrupted lines represent decrease. Model ECHAM4

Potential changes in annual temperature 2050

Scenario base (1961 – 1990) of annual average of temperature

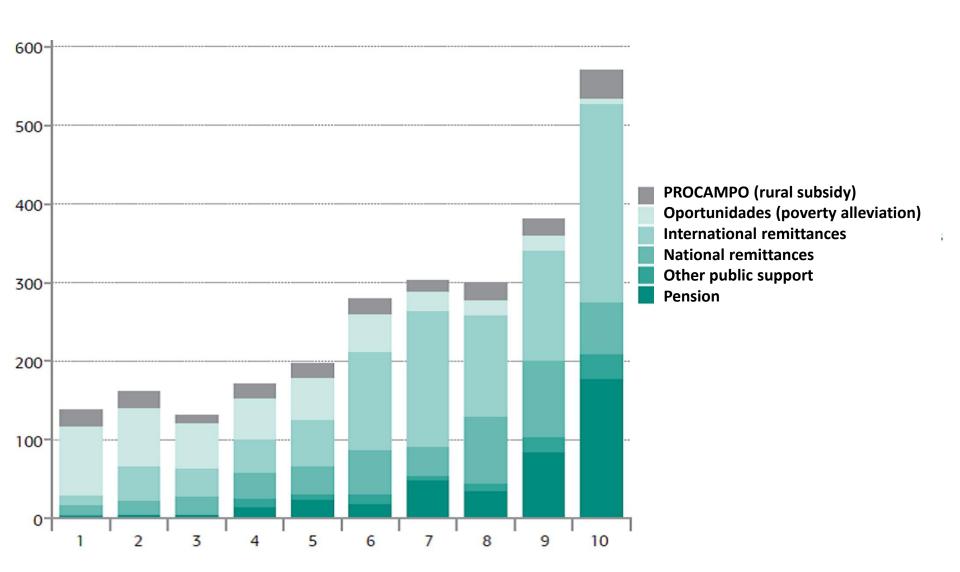


Increase of medium annual average temperature (°C) in 2050. Model ECHAM4

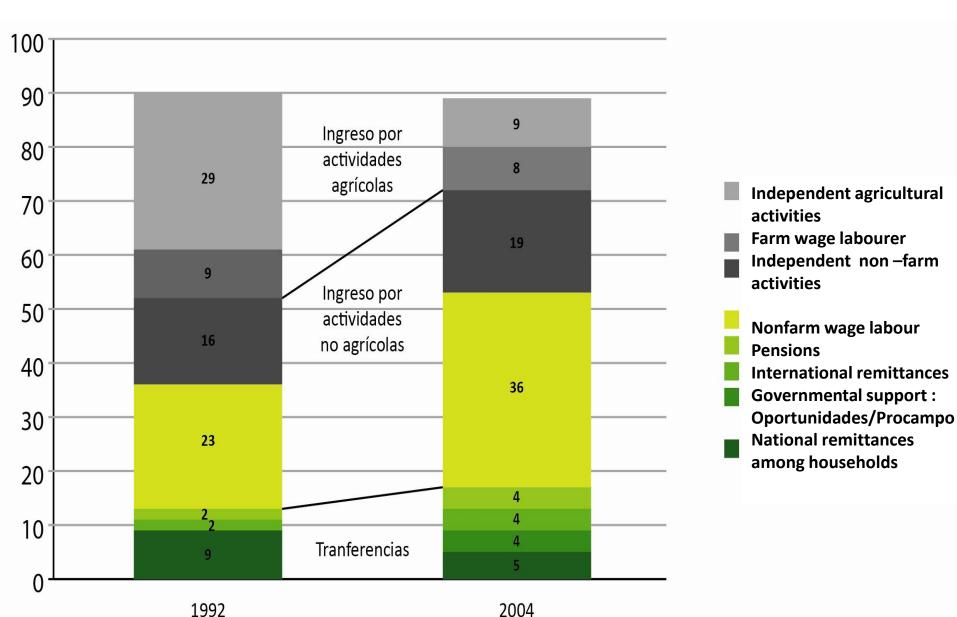




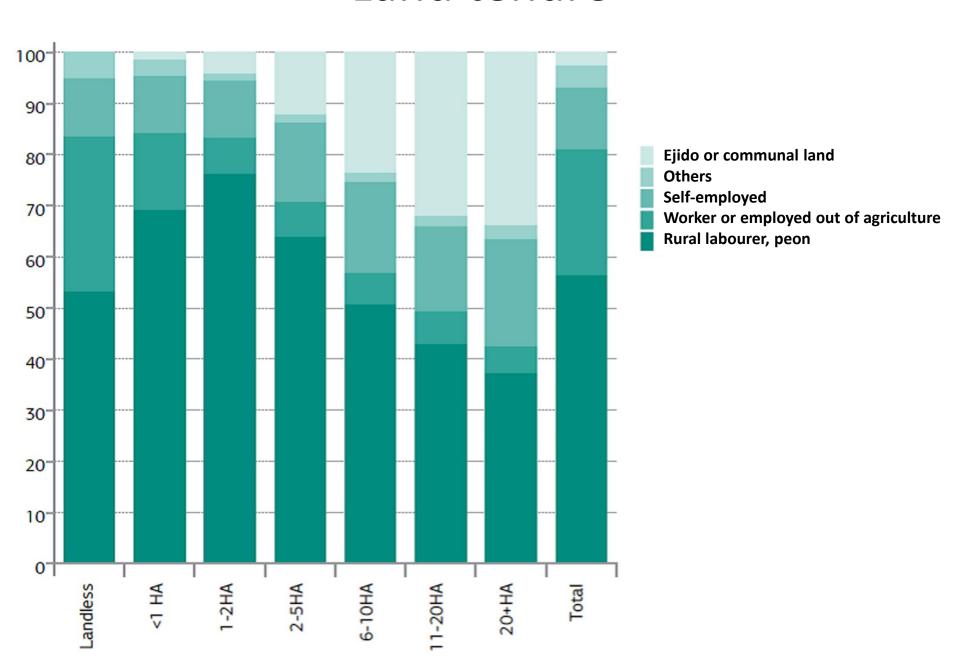
Complexity of economic incomes

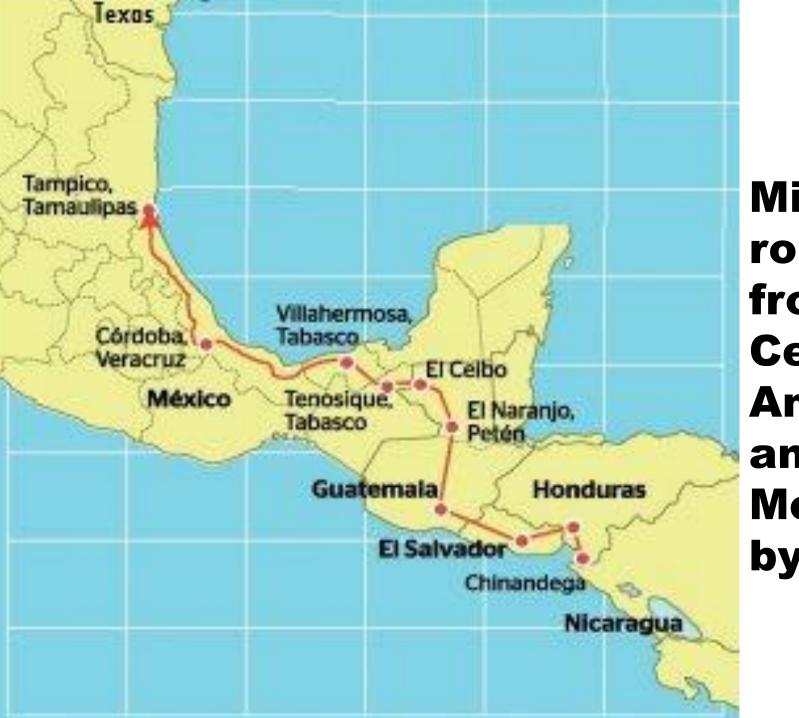


Nonfarm incomes dominates



Land tenure



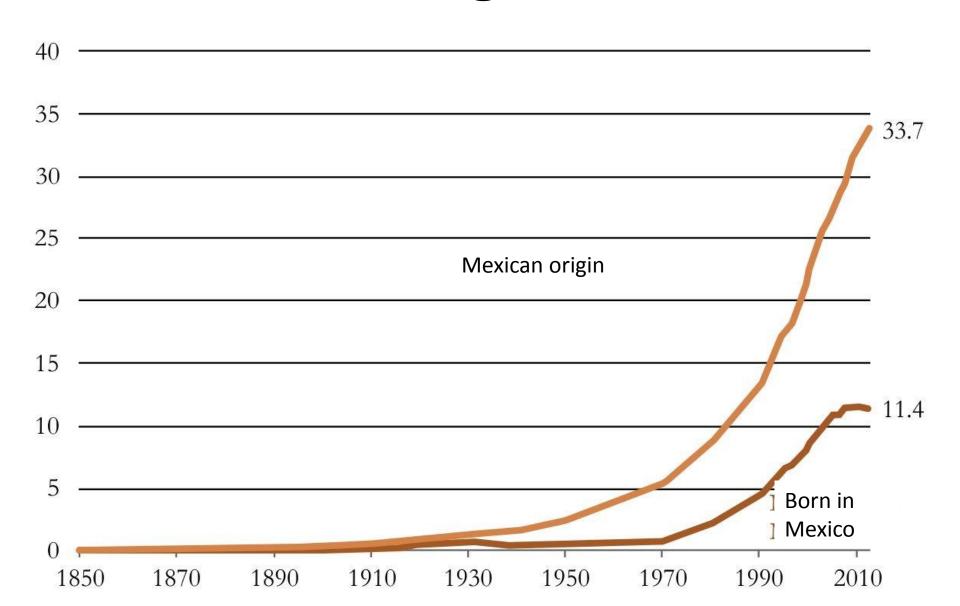


Migrant route from **Centro America** and Mexico by train

Migration from Mexico to US

- The **abysmal socioeconomic differences**, environmental threats and public insecurity between both countries. Since NAFTA (1994), the number of Mexican migrants has increased since Despite the fence, a sophisticated electronic observation system including drones, until 2007: **450,000 to 500,000** Mexicans cross the border, now 150 to 200,000. During the Obama administration **2.3 million** people were expelled.
- Borders has been identified as a key concept for understanding contemporary sociocultural processes. The analysis of the "globalization" in both economic and symbolic aspects, refer to boundaries, edges, or areas of contact and conflicts.
- Since 1986, the legal status of Latin migrants in the USA has changed and now most cross illegally. Legal and physical obstacles have created new conflicts and the rejection of an immigration law in 2007 and the delay in 2014 by the US Congress has increased the vulnerability of the Latin migrants; today especially children.
- Often migration is linked to organized crime (drug, arms, human, women, human organs, oil, minerals, art, species in extinction trafficking, pornography).
- Migration is a result of the neoliberal model with low growth rates (below 2%), a corrupt privatization process with a high concentration of wealth, an inefficient education system and low investments in infrastructure, and a lacking policy to create jobs that pushed trained young people into illegal activities (500,000 are linked to drug gangs; AFI 2008; 2 million displaced by drug war). But also the demand for a cheap labour, drugs and pornography in the USA are drivers for illegal migration.
- Finally, drought and lack of governmental support in drylands have increased internal and international migration due to the loss of livelihood of rural people depending on natural resources, letting often women behind in charge of family, household and field.

Mexican migrants in US



Children are the new migrants

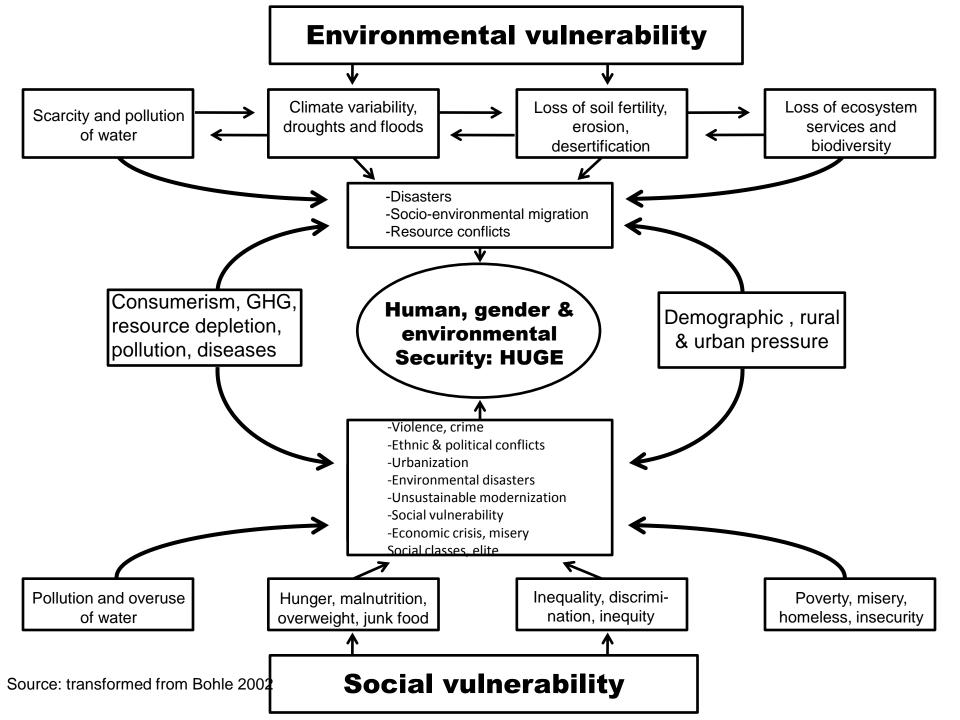


Children alone: new migrants

- During the last nine months (November 2013) 52,000 children or adolescents have crossed the border to US without documents. Estimations for 2014 will be 95,000.
 Obama speaks from a humanitarian crisis.
- Economic crisis, neoliberal model, public violence and drug war obliges children to cross alone the dangerous border. Result of neoliberal policy promoted by US, IMF, WB through free trade agreements, military cues, contra war, child soldiers and the support of dictators: without finishing secondary school: 27% in Guatemala, 40% in Honduras, 41% in El Salvador; 8 million "ninis" (no school no job in Mexico: 60% of adolescents don't go to school.
- ACNUR: migrant children from El Salvador, Guatemala y Honduras ask for asylum in US; from 2008 number increased **757%**, most are repatriated where they left.
- In US, 21% of children have a father born outside (FIFCFS, 2007: 8). 27% of migrants in California live in «mixed» families with legal and undocumented members (30% of children). Half of children in San Diego are from mixed families.
- Children: a) live with parents in US; b) continue in US when parents are deported; c) children expelled want to return to US to join family, school or job; d) children threatened in Mesoamerica due to organized crime, disasters, and lack of school and job opportunities.
- Children alone on the border because they were expelled with parents or family o travel alone to join parents in US. Often they try several times to cross, on behalf the physical and legal obstacles.

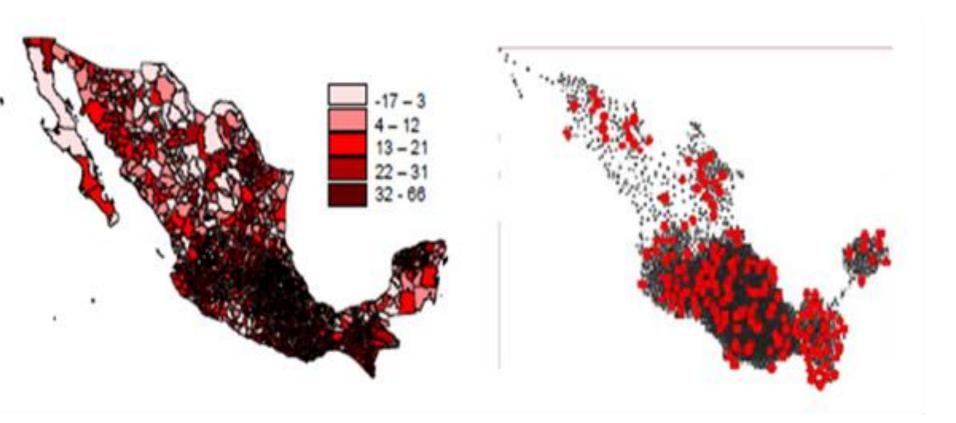






Dual vulnerability: poor and exposed to extreme events transformed into disasters

Left: income less 2 US\$/day; right: Disaster costs over 500,000US\$





Environmental perception

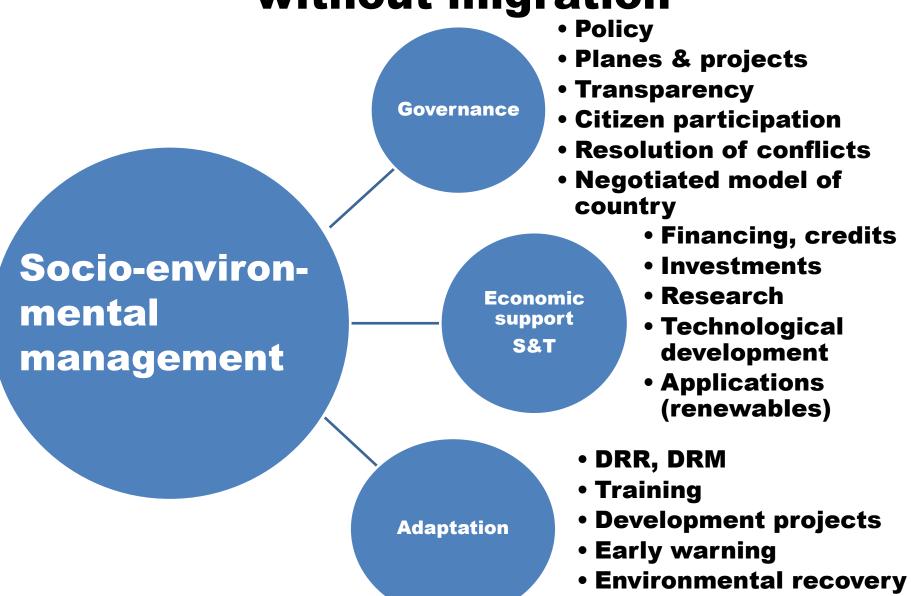
	Environmental understanding
Lorenzo Vázquez	62.6%
Villa Nicolás Zapata	75.8%
La Cañada	59.0%
El Pañuelo	56.3%

Index of social and environmental vulnerability

Both indexes	Lorenzo Vázquez	Nicolás Zapata	La Cañada	El Pañuelo
Index of social vulnerability	253.12	263.8	202.58	290.11
Index of environmental perception	273.4	286.6	220.3	307
Diferences in % between both indexes	8.01	8.64	8.75	5.82

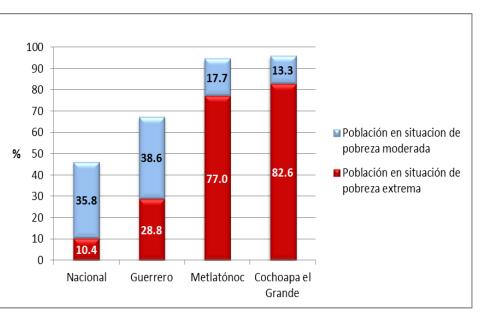


Obstacles to a dignified livelihood without migration

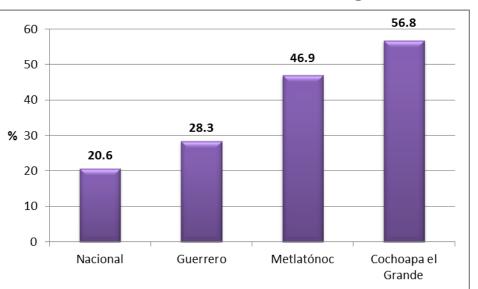


Culture

Economic deadlocks in Cochoapa



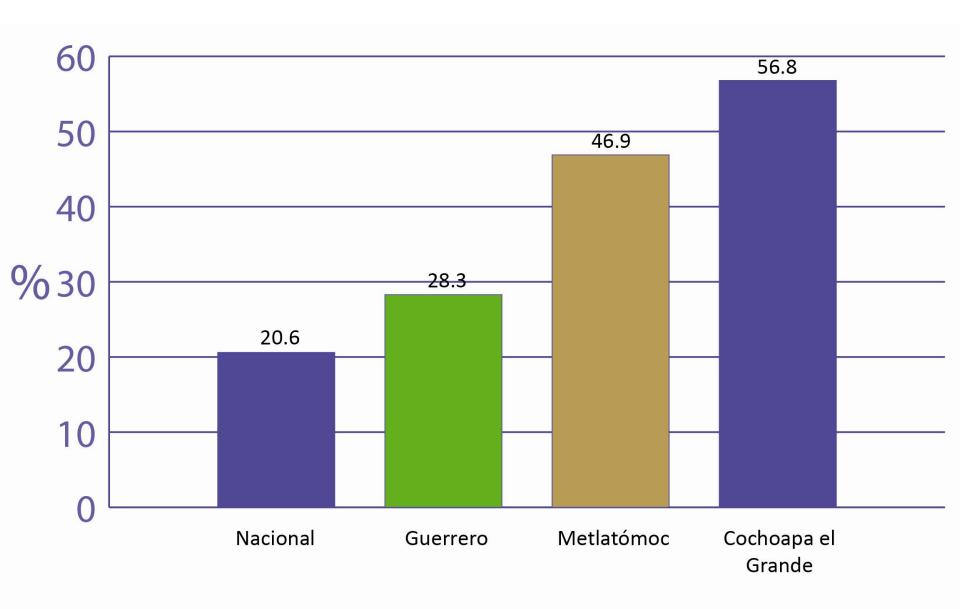
Without school training



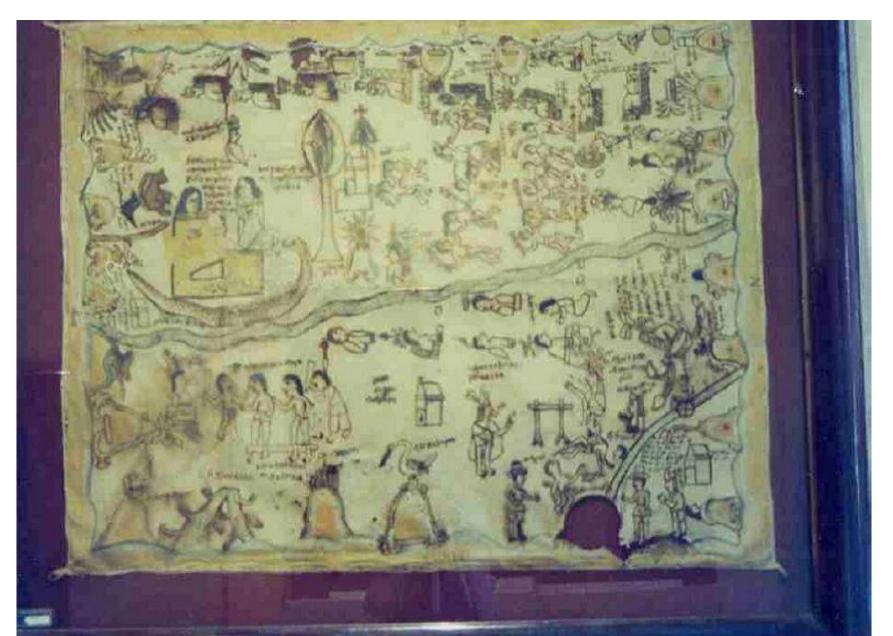
- 1. Poorest municipality in Mexico
- 2. 82.6% extreme poor
- 3. 98% indigenous
- 4. 56.8% analphabets
- 5. 70% of women without school
- 6. Studying prevents marriage
- Girls at 12 years are sold for marriage
- 8. Temporary and permanent migration: Day laborers & family in the fields with toxic pesticides (including children)

Discrimination: Poor, woman, indigenous and migrant

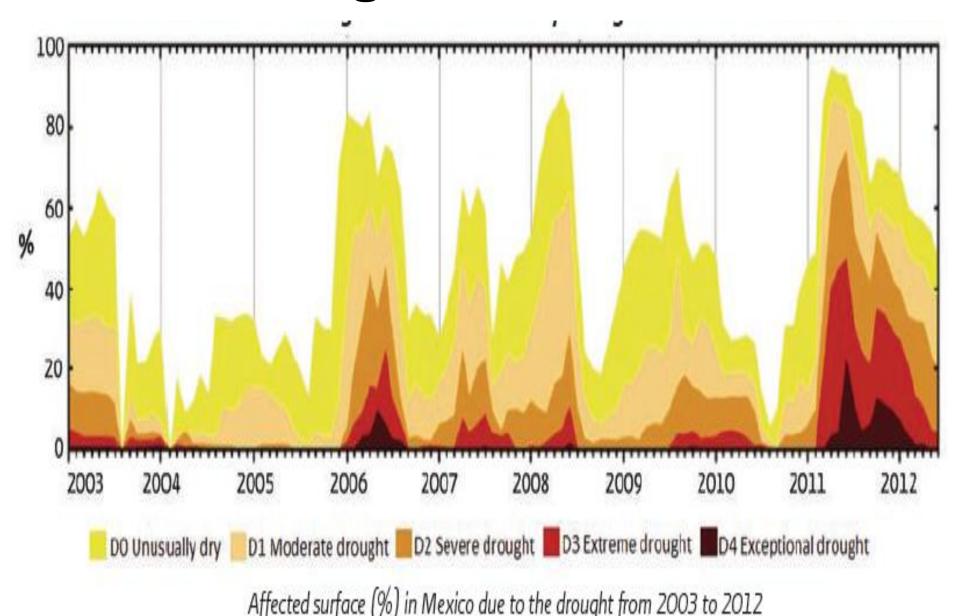
Educational backwardness



Culture and traditions



Droughts in Mexico



Glocal

Primary Actors

INTERNATIONAL

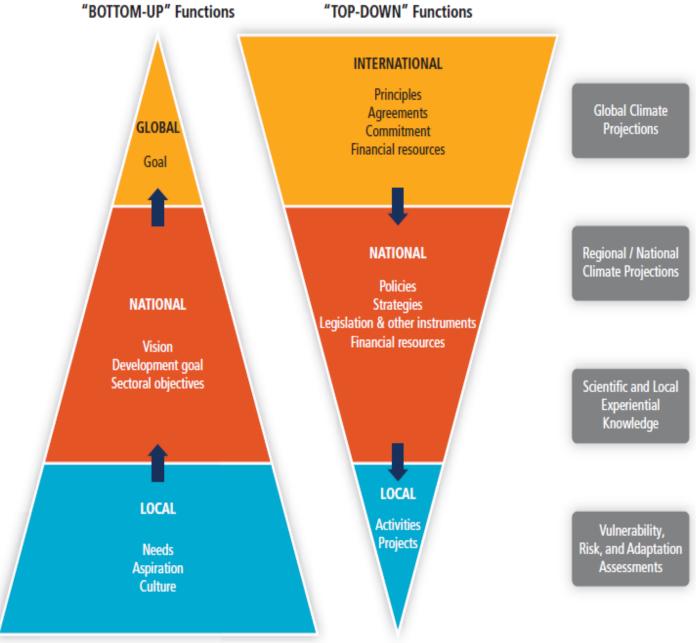
- Bilateral and multilateral partners
- · Intergovernmental organizations

NATIONAL / SUB-NATIONAL

- National government and statutory agencies
- · Civil society organizations
- · Private sector
- Research and communication bodies
- · Local government agencies

LOCAL

- Individuals, households, and communities
- Private sector
- · Community-based organizations
- Faith-based organizations



Example risks	Adaptation issues and prospects	Climatic risks	Supporting ch. sections	Time frame Risk for current and high adaptation
Displacement associated with extreme events (high confidence)	Adaptation to extreme events is well understood but poorly implemented even under present climate conditions. Displacement and involuntary migration are often temporary. With increasing climate risks, displacement is more likely to involve permanent migration.		12.4.1	Very Medium Very
Loss of land, cultural and natural heritage disrupting cultural practices embedded in livelihoods and expressed in natratives, world views, identity, community cohesion, and sense of place (high confidence)	Cultural values and expressions are dynamic and inherently adaptable and hence adaptation is possible to avoid losses of cultural assets and expressions. Nevertheless outural integrity will be compromised in these or cumstances.	₩ ••• ₩ ••• ••• •••	12.3.2, 12.3.4	Very Medium Very (ow Medium nigh (2000 – 2040) Languterm 2°C (2000 – 2100) 4°C
Violent conflict arising from deterioration in resource- dependent livelihoods such as agriculture and pastoralism (high confidence)	Adaptation options: Buffering rural incomes against climate shocks, e.g., through livelihood diversification, income transfers, and social safety net provision; Early warning mechanisms to promote effective risk reduction; Well-established strategies for managing violent conflict that are effective but require significant resources, investment, and political will.]' ** ••• ••	12.5.1	Very Medium Very IoW Medium high
Geopolitical competition over access to Arctic resources that escalates into dangerous tensions and crises (high confidence)	There are international organizations and elements of international law that regulate competition and access and provide mechanisms for resolving disputes. There are strong transnational networks that are relevant for joint problem solving. Hence adaptation action has significant potential to reduce risks associated with geopolitical rivalry.	! !'	12.6.2	Very Medium Very
New or exacerbated conflict through land acquisition for climate change mitigation and adaptation (medium confidence)	Climate change mitigation (e.g., expansion of biofuel production area) and adaptation action (e.g., set-back of coastal land) can exacerbate conflicts when they are already manifest around land and water availability and scarcity. The extent of insecurity and instability from such mitigation and adaptation activities depends on the displacement of populations and the inclusiveness of the planning processes. Careful planning processes can therefore be used to ameliorate the risk of conflict.		12.5.2	Very Medium Very IoW Medium Irigh
	Risk & potential for adaptation			
Warming trend Extreme temperature Drying trend Extreme precipitation Sea level			Sea level	Potential for adaptation to reduce risk
Storm surge	Carbon dioxide Extreme wind concentration episodes		cidification	Risk level with Risk level with high adaptation current adaptation



