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Knowledge conclave cum workshop

NATURE-BASED SOLUTIONS(NBS) FOR WATER SECURITY

Dates: 27 - 30 November, 2018 Venue: AAETI, Nimli, Rajasthan



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Is there a place for nature-based solutions in "hard-path-dominant" northern Mexico?

Nicolas Pineda

El Colegio de Sonora, Mexico

November, 29, 2018

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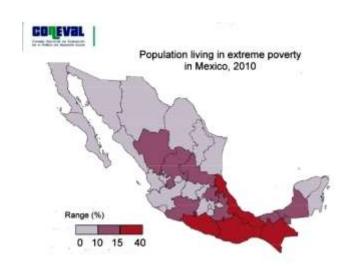
The problems of Mexico

Poverty (aprox. 40% of

population)

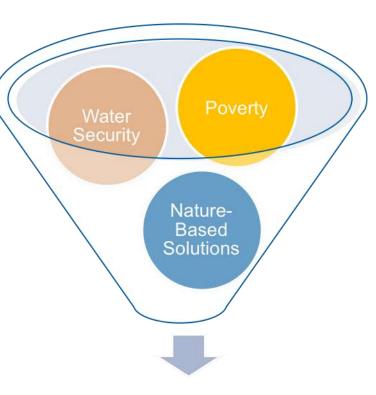
Arid lands & water scarcity (aprox half of the territory)

Migration





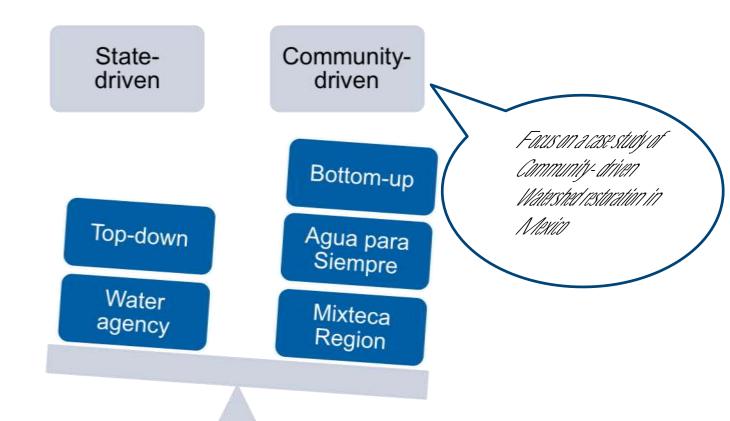
Water Security, watershed restoration, and Nature-based solutions



Watershed Restroration



Two approaches to watershed restoration





Estrategia de desarrollo sostenible Sustainable Development Strategy

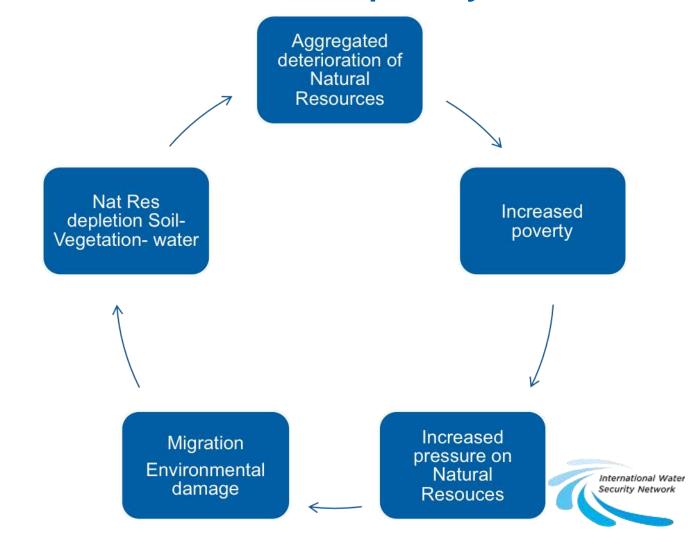




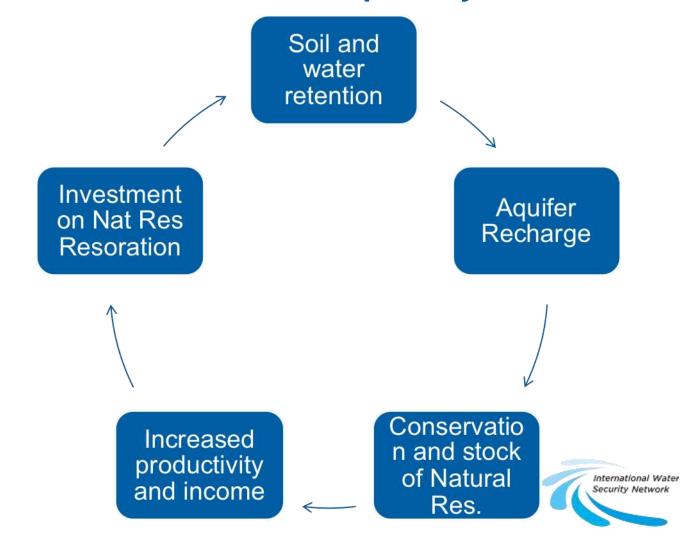




Perverse circle: Deterioration of natural resources = poverty



Virtuous circle: Deterioration of natural resources = poverty

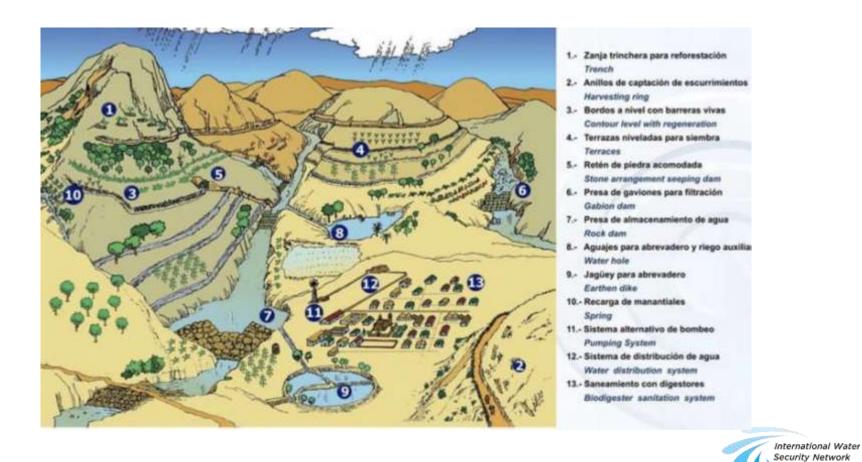


Rescuing Indigenous technologies and knowledge to decrease the speed of rain water runoff, keep it and protect the fragile soil





Strategy: Integration of local culture and the sustainability of the tributary watershed scope



Aquifer and spring revival





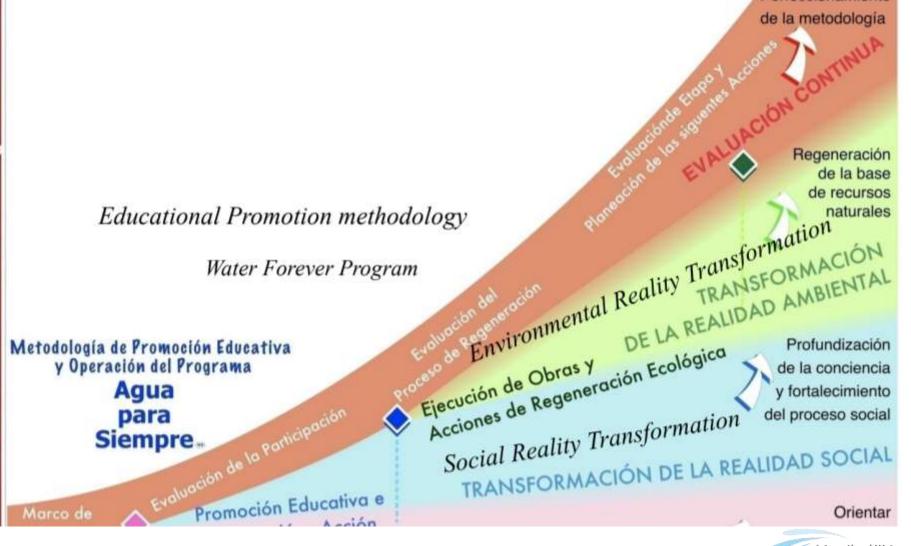


Approach to regional & community development to overcome poverty



	262	Personas con empleo formal permanente Permanent jobs 63 % hombres 37% mujeres
	50	Trabajadores eventuales Temporary jobs
Alternativas genera oportunidades Opportunities opened by Alternativas	206,334	Habitantes beneficiados Beneficiries
	197	Pueblos participantes Participant villages
	56	Municipios de los estados de Puebla y Oaxaca Puebla and Oaxaca countries
	1,100	Familias de la región Mixteca Mixteca region cooperative members
	372	Capacitación certificada SEP Training certified by the SEP
	35	Cuencas Tributarias







Perfeccionamiento

Final remarks

Nature-base solution is the base and necessary condition for the watershed restoration and poverty elimination

State-driven approaches are expensive and not very successful in Mexico

Community approach has been relatively successful, due to leadership and external support.



www.watersecuritynetwork.org www.twitter.com/water_network

<u>Acknowledgement</u>

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www.lrfoundation.org.uk

