

Local and Regional Governance of Mountain MABs: An Engaged Approach

Sandra Lee Pinel, AICP, PhD

Fulbright NEXUS Scholar
Antioch University New England
MtnSEON Research Collaborative Network

March 15, 2016 Mountain Workshop
MAB IV Congress, Lima, Peru

Crossing Cultural and Political Boundaries

Waterton-Glacier MAB



Podacarpus – El Condor MAB



Cultural Landscapes and Regional Planning

Governance Theories

UN and Governance Paradigms

- Conserve with sustainable development and cultural diversity
- Strategy to increase management capacity
- Stakeholder engagement decisions at all levels
- Manage natural resource conflicts
- Zoning of land uses (IUCN)
- Adaptive management and CBNRM

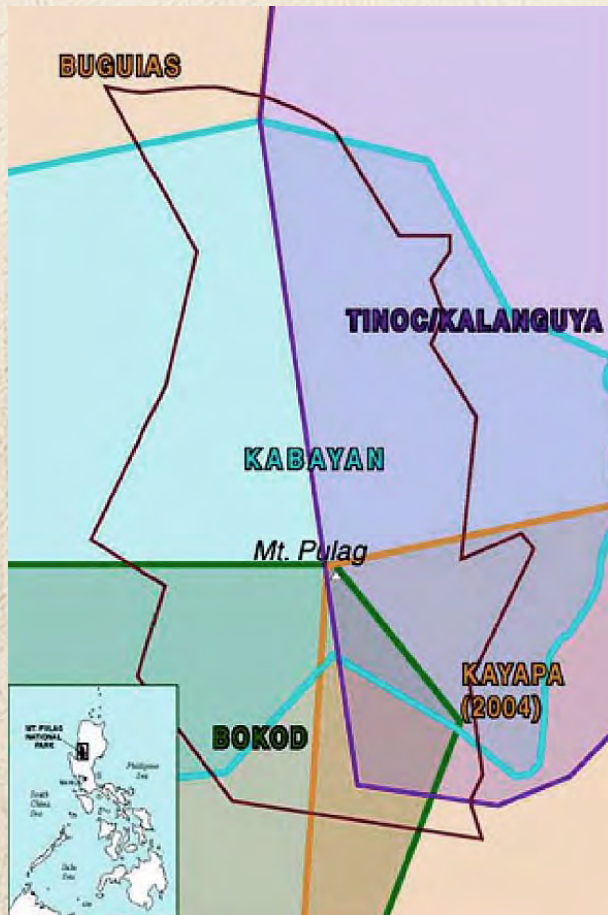
Political Economy Critiques

- Beyond civil to local governments*
- Areas managed by local, state, indigenous jurisdictions with limited capacities
- Decisions based on interests, beyond science
- Political economy critiques of adaptive and decentralized governance assumptions

(Agrawal, Ribot, Gibson, Ostrom, Rondinelli, Naughton-Treves, Zimmerman, Leach)

Political Economy of Mountains

9



1

Institutions for regional governance are socially constructed by actors through networks, the cultural dimension of these networks, and the interdependence of structure with agency (Healey, 1999; 111).

Slide 4

1

Optional photo

Sandra Pinel; 28/01/2016

9

Remove text and border from map.

Reference. DNR, Mt. Pulag General Management Plan

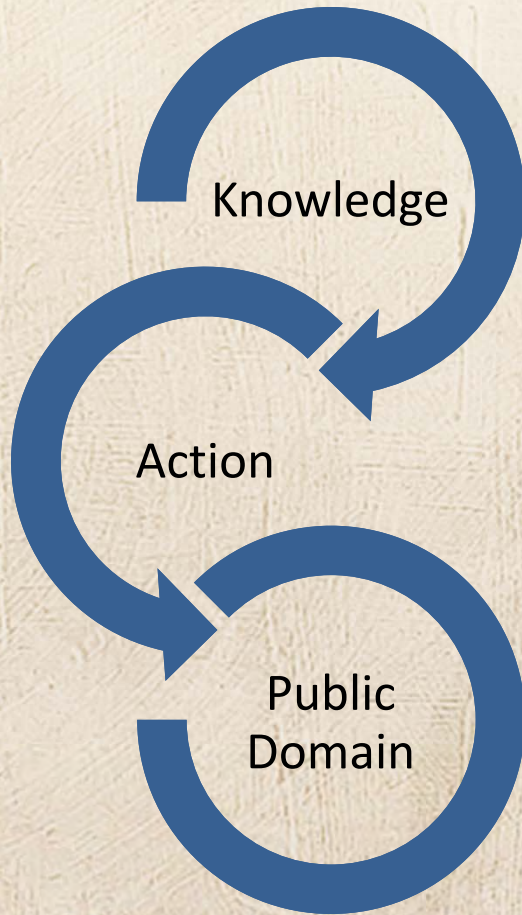
Sandra Pinel; 28/01/2016

Key Points – Transition & Buffer Areas

- Build on social and government institutions and the cultural landscape region
- **I offer a local and regional planning and engaged social research approach, illustrated in southern Ecuador and transferable**
- MAB technical assistance partnerships with local government, indigenous, and sub-state institutions
- **Effective governance - cultures and jurisdictions share interest and implement MAB vision**

Governance: the process of decision making and implementation and managing the common good (UN). Governance is also a set of social and legal practices, institutions, knowledge, encounters, and sense making values that are diverse and can best be understood with a view to micro politics and the construction of institutions in places (Healey 2006, p 327). Institutions and engagement.

Applied Approach Illustrated

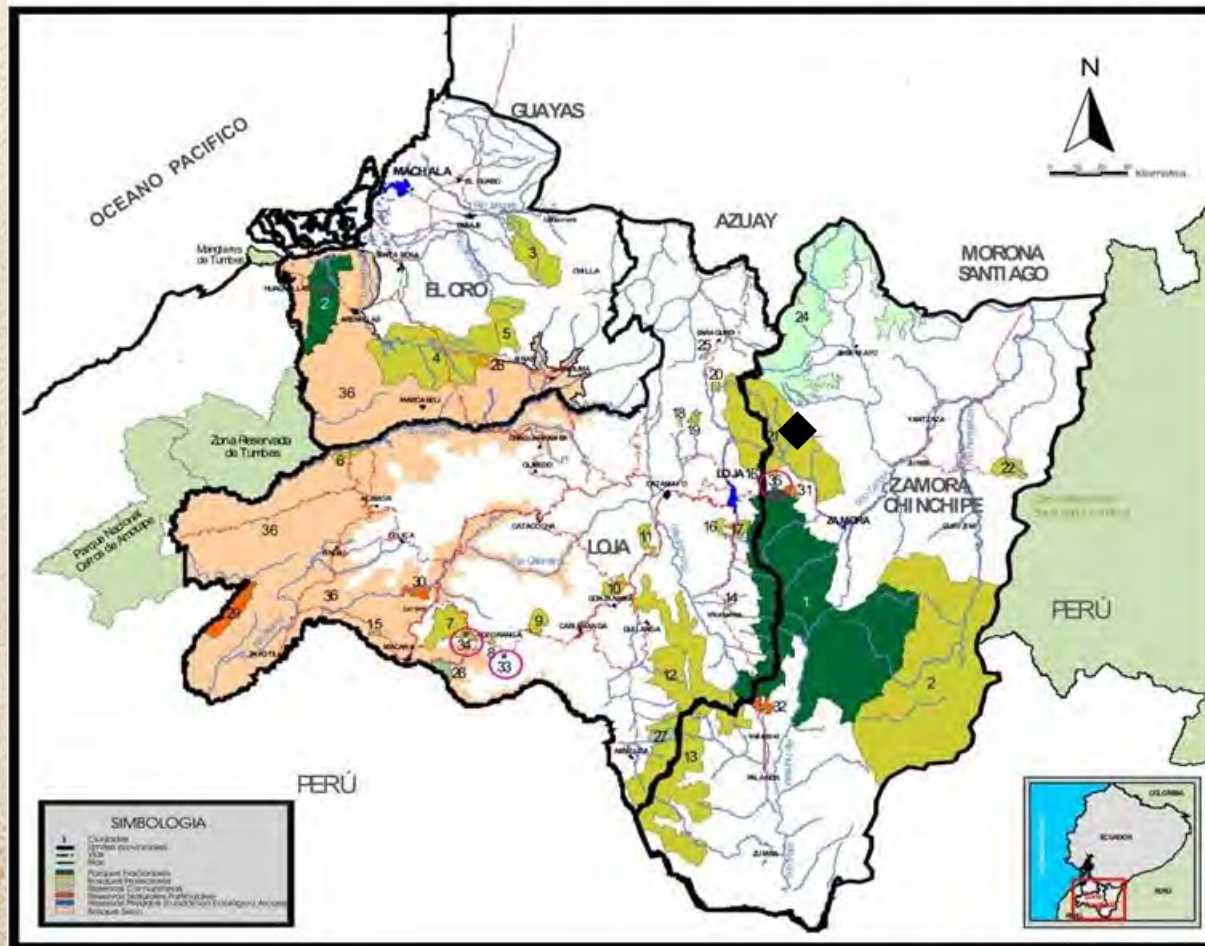


Friedmann 1987 &
regional planning
theory

- Ground in theories
- Identify legal and social context and the ethnographic region
- Decision making analysis - social dynamics, impacts, and micro politics (Healey 1999)
- Conflict ID
- Build regional conflict management institutions with actors

Podocarpus-El Condor MAB

AREAS PROTEGIDAS, BOSQUES PROTECTORES Y RESERVAS DEL SUR DEL ECUADOR

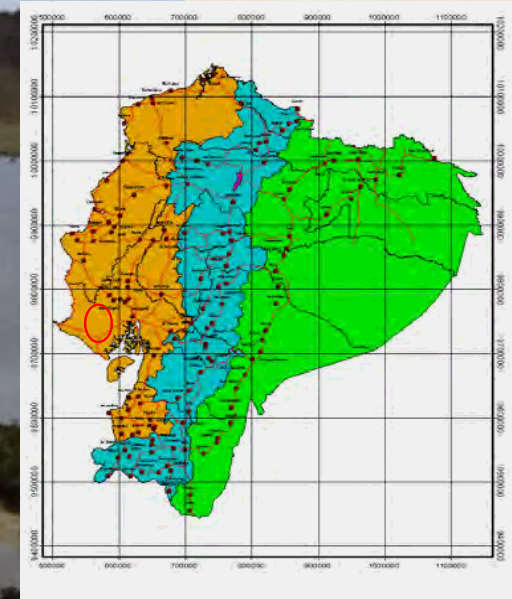


Sujeto	
1	Parque Nacional Podocarpus
2	Reserva Ecológica Arenillas
3	Casacay
4	Río Arenillas - Presa Tahuin
5	Moro Moro
6	Puyango
7	Jatumpamba - Jorupe
8	Barrio Susuco
9	El Gaubo
10	La Chorrera
11	Santa Rita
12	El Ingenio y Santa Rosa
13	Colambo - Yacuri
14	Rumi Huilco
15	Algodonal de Jujal
16	Uritusinga
17	Zamora Huayco
18	Dr. Servio Aguirre
19	El Sayo
20	Zhipe - Salado
21	Corazón de Oro
22	El Zarza
23	Alto Nangaritza
24	Yacuambi
25	Huashapamba
26	Limón - Tambo Negro y El Cisne
27	Angashcola
28	Buenaventura
29	Tumbesina - La Ceiba
30	Tumbesina - Laipuna
31	Estación Científica San Francisco
32	Tapichalaca
33	Ututana
34	El Tundo
35	San Francisco- Arcoiris
36	BOSQUE SECO

FUENTE: Ministerio del Ambiente y Ecuadoría San Francisco

Saraguro-Oña-Yacuambi Wetlands ⁴

Locally Designated and Collaboratively Managed Ramsar Site?



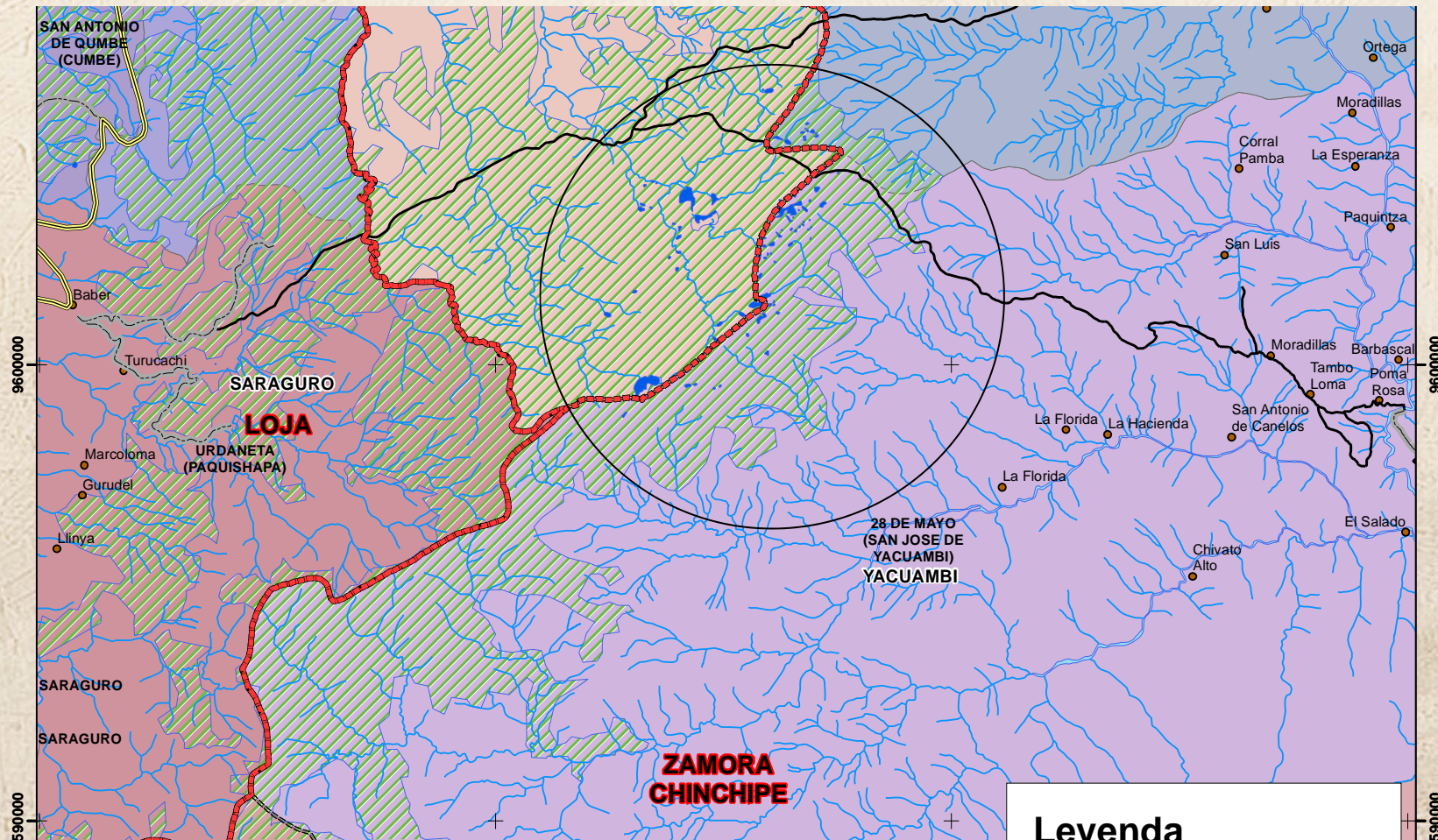
Condorshillo y Tres Lagunas: Photos by Leonardo Ortiz

4

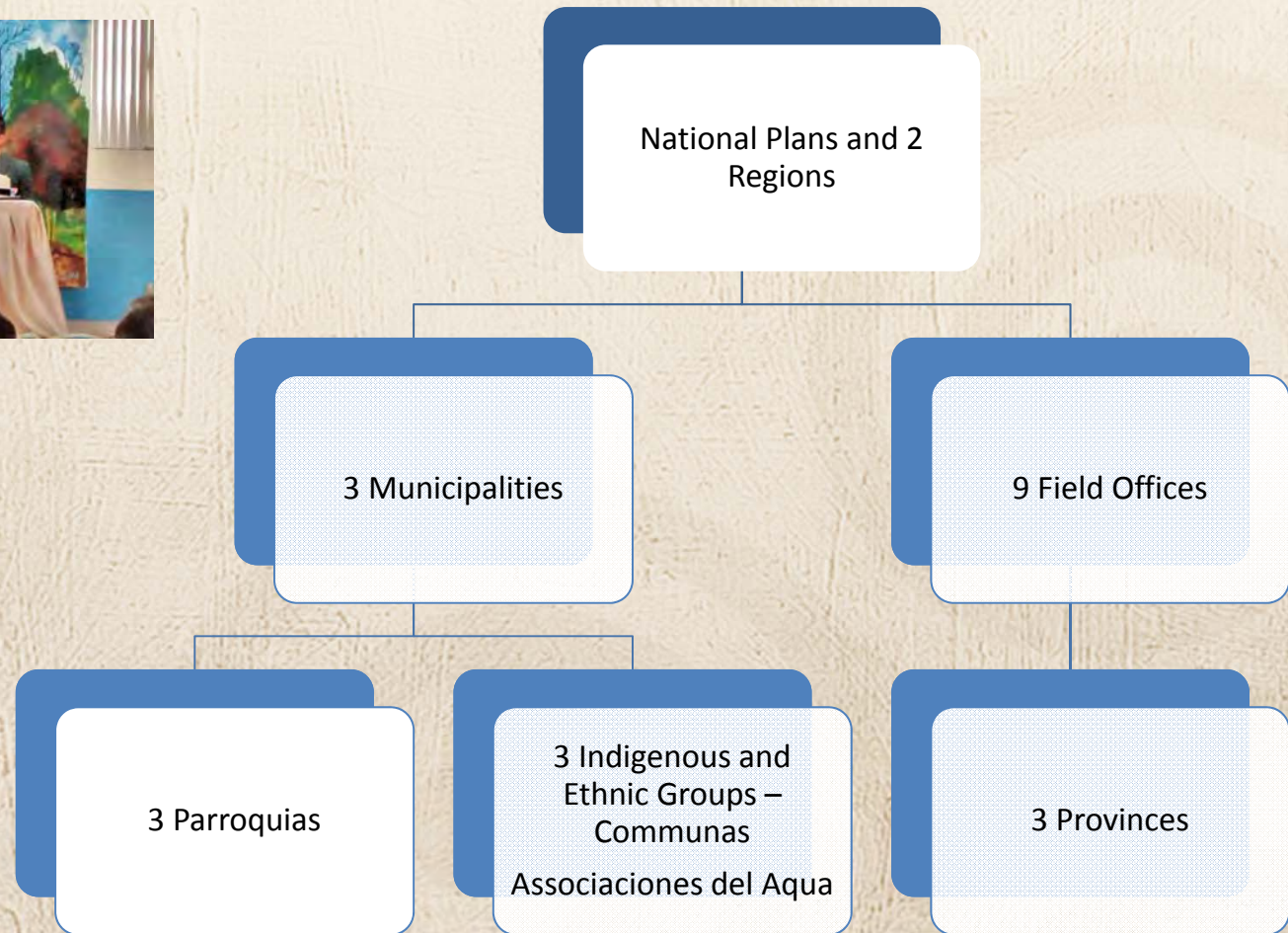
Your photo instead

Sandra Pinel; 28/01/2016

1. Cultural, Social, Political Context



Laws, Institutions, and Actors



Ethnography 2011 to 2015 ²³



Photos: Pinel and Morocho, 2014

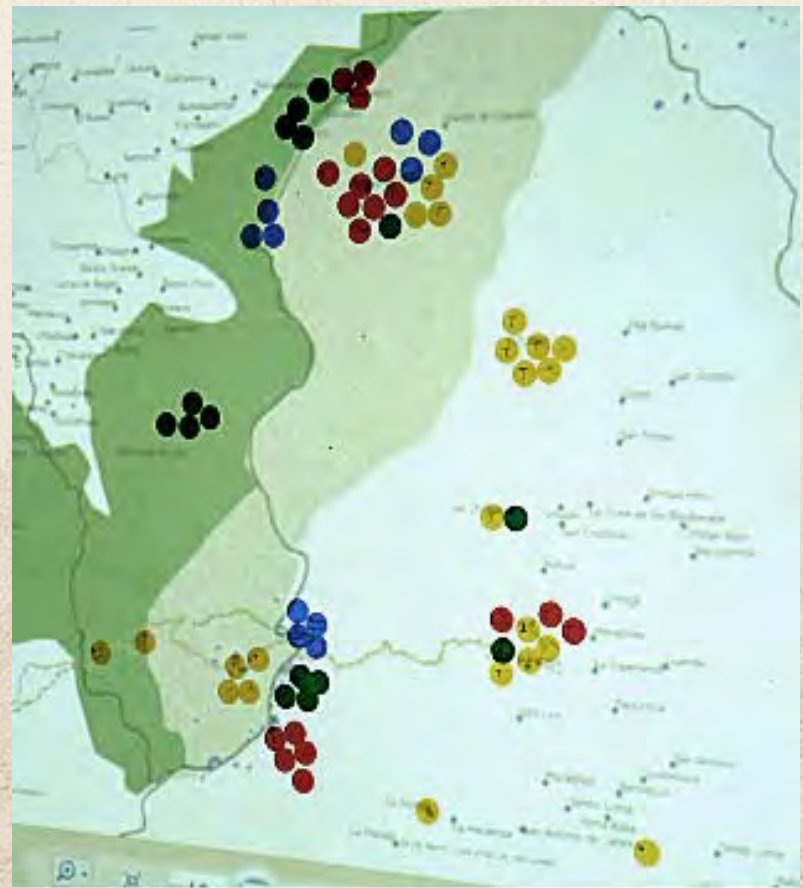
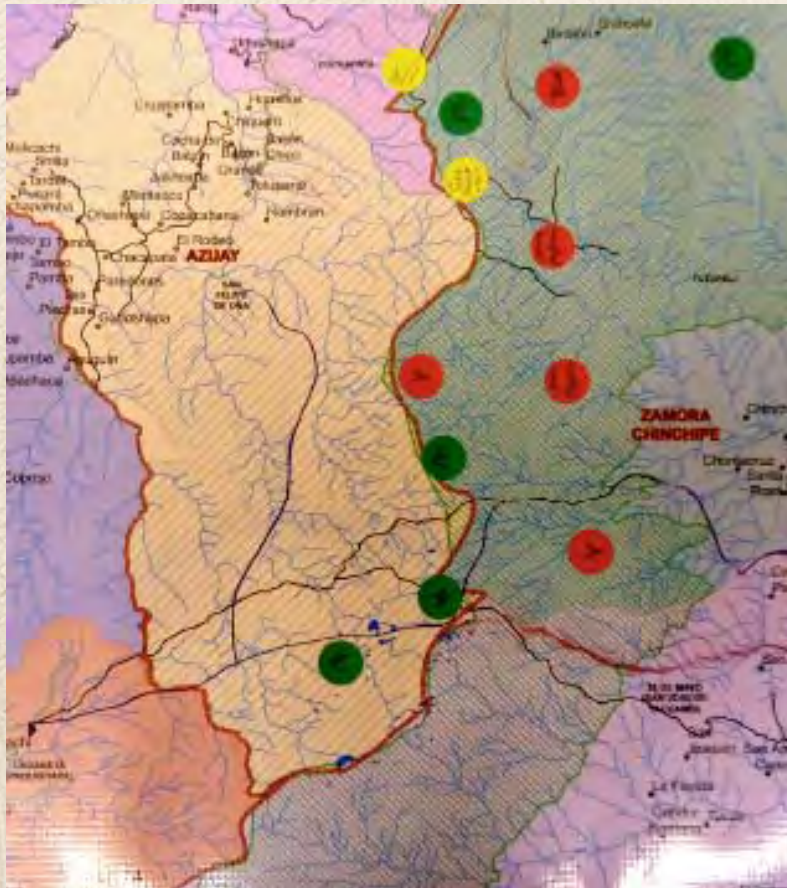
Slide 11

23

Choose color and size for all titles. This one is smaller and lighter. Re-size and place photos

Sandra Pinel; 28/01/2016

Cultural Landscape Associations



Historical trails

Multiple Cultural Landscapes



Photos: Sandra Pinel, March 2015
and Zeina Halasa, November 2014

3. Local and Regional Decision Dynamics



Photos: Veronica Iniguez, 2012 and Sandra Pinel 2014

Conflict and Power



Photos: Sandra Pinel, March 2015

Local Planning Institutions



Photo: Polivio Guzman, April 2013



5

A document

Sandra Pinel; 28/01/2016

4. Engaged Research Capacity at Local and Regional Levels

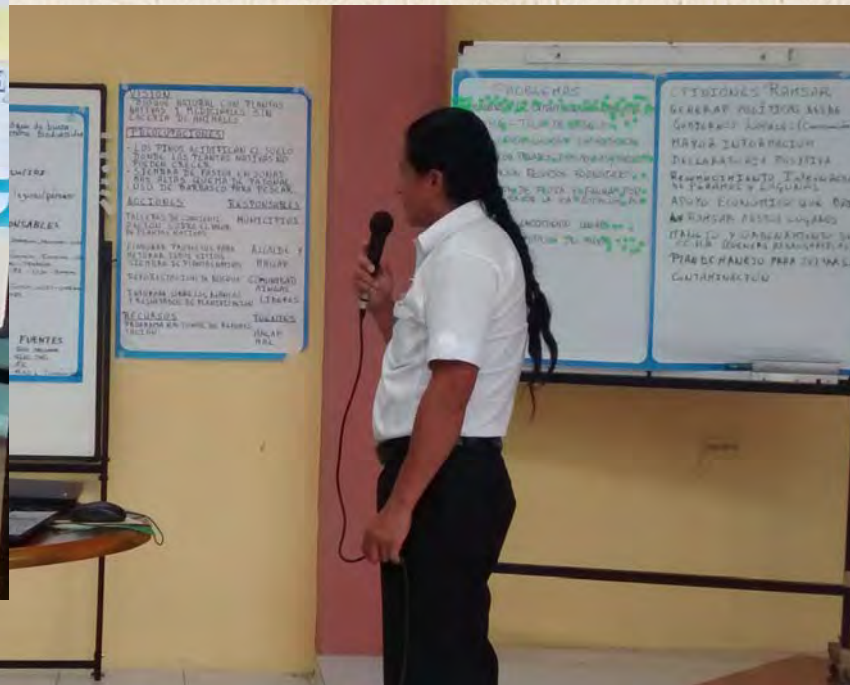
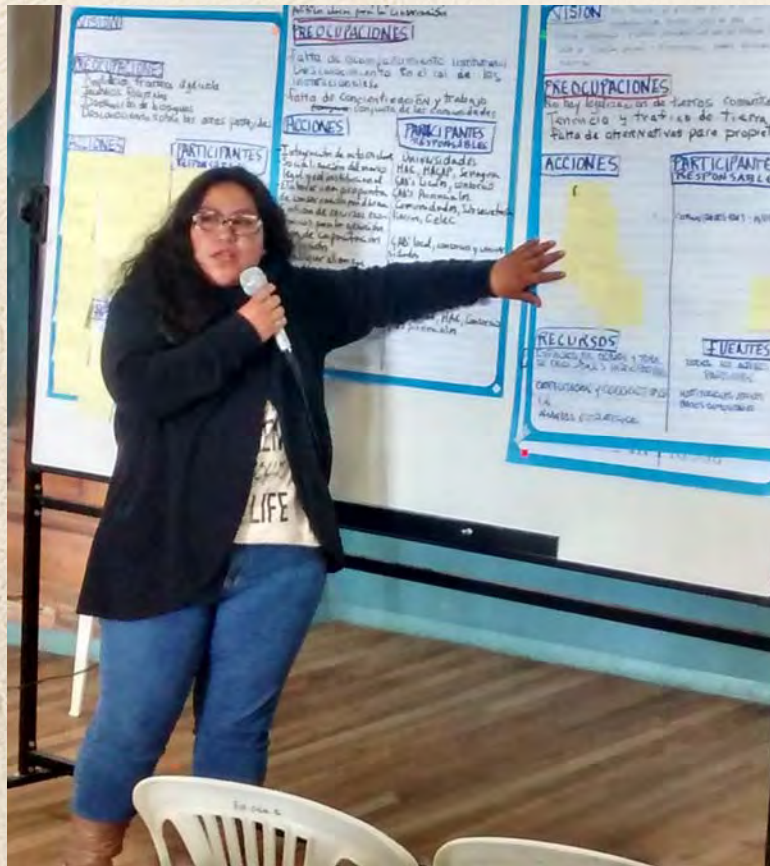


Engaged Decision Making



Photos: James Gruber, May 2015

Recommendations to National Agencies



Photos: James Gruber, May 2015

5. Governance Design

Vision and Situation

- Values, concerns, and knowledge of place
- Laws, actors and Jurisdictions

Alternatives

- Interests
- Feasibility given social dynamics
- Engaged research

Implementation

- Actors, decisions, conflicts, incentives

Scale - Complex place-making

- Institutional development for scale and conflict management

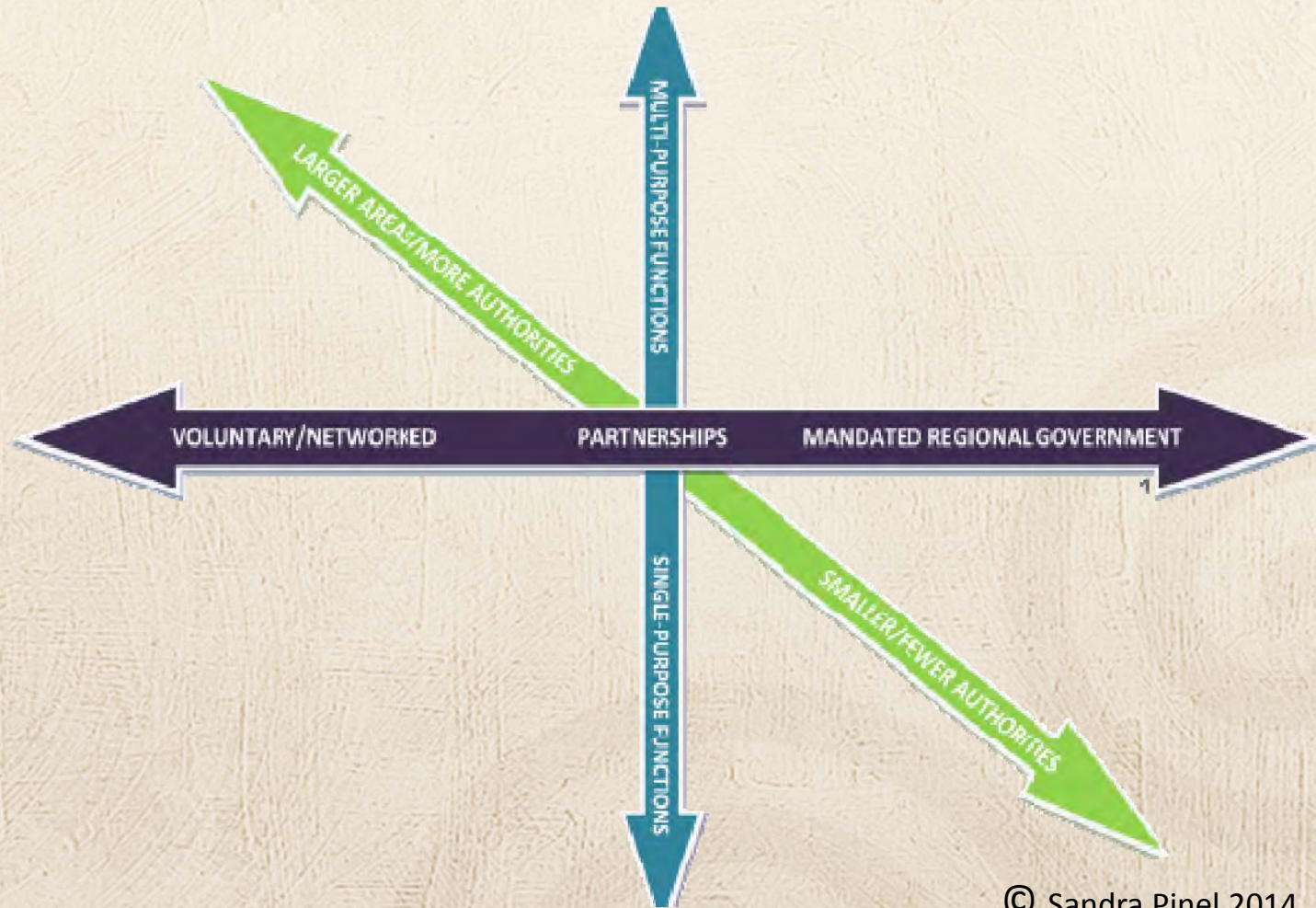




CONCLUSIONS

RESEARCH CULTURAL LANDSCAPES, INSTITUTIONS AND ENGAGE LOCAL AND IP GOVERNMENTS

ONE APPROACH, CONTEXT SPECIFIC GOVERNANCE SOLUTIONS



© Sandra Pinel 2014

Transboundary Governance Comparative Framework

spinel@antioch.edu

Acknowledgments

- Fausto López Rodríguez, Head Research Applications, UTPL, Loja, Ecuador
- Fulbright NEXUS Regional Scholars program (2014-2016), U.S. Department of State and the Brazilian Ministry of Education, Agency for Support and Evaluation of Graduate Studies (CAPES).
- National Science Foundation RCN-SEES, (2012-2017) Advancing our Social and Environmental Understanding of Complex Mountain Landscapes and Their Vulnerability to Environmental Change (MtnSEON). Governance working group partners Manuel Peralvo, Paulo S de Almeida, Pablo Torres Lima, Derek Kauneckis, and others
- NSF Undergraduate Research Grant (2010-2013) Interdisciplinary Research Experience in Biodiversity Conservation in Southern Ecuador
- SENESCYT, UTPL Prometeo Grant, Ecuador (2015) Decentralization and Conservation Management: An Analysis of Decisions Affecting the High Andean Wetlands in Yacuambi
- Universidad Técnica Particular de Loja (2010-2015) Fausto López, Ramiro Morocho, Diana Astudillo, Veronica Iniguez, Paulina Viteri. Fulbright NEXUS colleagues
- Interview and Ecuador government agency participants and government agents of the regions featured here



Yupaychani [Gracias]

spinel@antioch.edu
fxvlopez@utpl.edu.ec



References

- Agrawal, Arun and Clark Gibson. 1999. 'Enchantment and disenchantment: The role of community in natural resource conservation'. *World Development*, 27(4): 629-649.
- Agrawal, Arun and Carl Benson. 2011. 'Common property theory and resource governance institutions: Strengthening explanations of multiple outcomes'. *Environmental Conservation* 38(2): 199-210.
- Anderson, Krister and Eleonor Ostrom. 2008. 'Analyzing decentralized resource regimes from a polycentric perspective'. *Policy Sciences* 41(1): 71-93.
- Armitage, D., R. Plummer, F. Berkes, I. Authur, T. Charles, J. Davidson-Hunt, K. Wollenberg. 2009. 'Adaptive co-management for social-ecological complexity'. *Frontiers in Ecology and Environment* 7(2): 95-102.
- Berkes, Fikret. 2010. 'Devolution of environment and resources governance: trends and future'. *Environmental Conservation* 37(4): 489-500.
- Forsgren, Amy, Lopez-Rodriguez, F, Morocho Cuenca, J. Ramiro. 2015. The Social and Cultural Importance of High Andean Wetlands. *The International Journal of Social Sustainability in Economic, Social, and Cultural Context* 10: online.
- Gruber, James. 2010). 'Key principles of community-based natural resource management: A synthesis and interpretation of identified effective approaches for managing the commons'. *Environmental Management* 45: 52-66.
- Ribot, J. C. 2006. Recentralizing while decentralizing: How national governments re-appropriate forest resources. *World Development* 34(11): 1864-1886.
- Rondinelli, D., J. S. McCullough, and R. W. Johnson. 2012. 'Analysing Decentralization Policies in Developing Countries: a Political-Economy Framework'. *Development and Change* 20: 57-87 (doi: 10.1111/j.1467-7660.1989.tb00340).

EXTRA SLIDES FOR QUESTIONS

Approach Illustrated



“Planning practice is contingent on the social relations and opportunity structures of specific situations” (Healey 2006, p. 323)

Engaged and rapid ethnographic methods combine research, participation, and action

Empirical polycentric governance research (Clements, 2010; Anderson and Ostrom 2008)

The Approach

- 1. Apply theory to assess problem, context, actors**
- 2. Identify social and cultural landscape and history**
- 3. Assess institutional capacities – social, legal, fiscal institutions as assets and tools**
- 4. Political analysis of indicator decisions
Engagement in conflict assessment and interests**
- 5. Design incentives & programs for institutions**
- 6. Implications for best practices**