



Advances in the Collective Development of the Protected Areas System of the Valle del Cauca (SIDAP VALLE) in Colombia

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OBJECTIVE



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Present the methodological proposal for SIDAP Valle for the consolidation of local protected areas processes, articulating biophysical, socio-economic and political aspects.

Duende's Regional Park



La Plata – Regional Protected Area (DMI)



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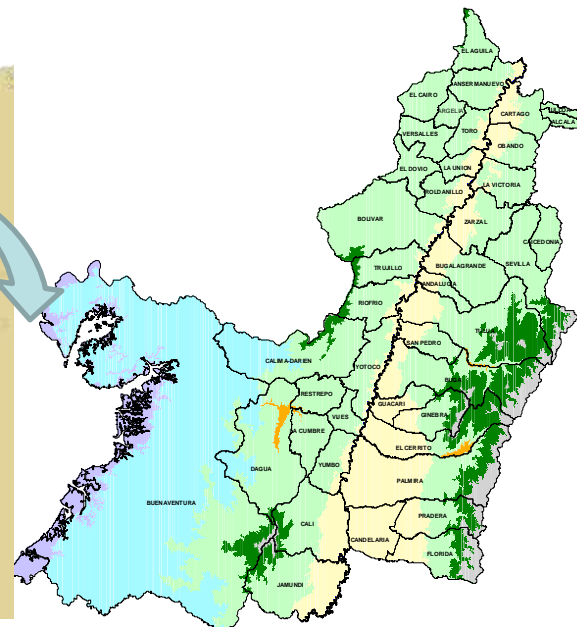
LOCALIZATION



SOUTH AMERICA



COLOMBIA



VALLE DEL CAUCA



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CONTEXT

30 - 40% of Colombian FAUNA

7 Biomes

62 Ecosystems

Department of cities

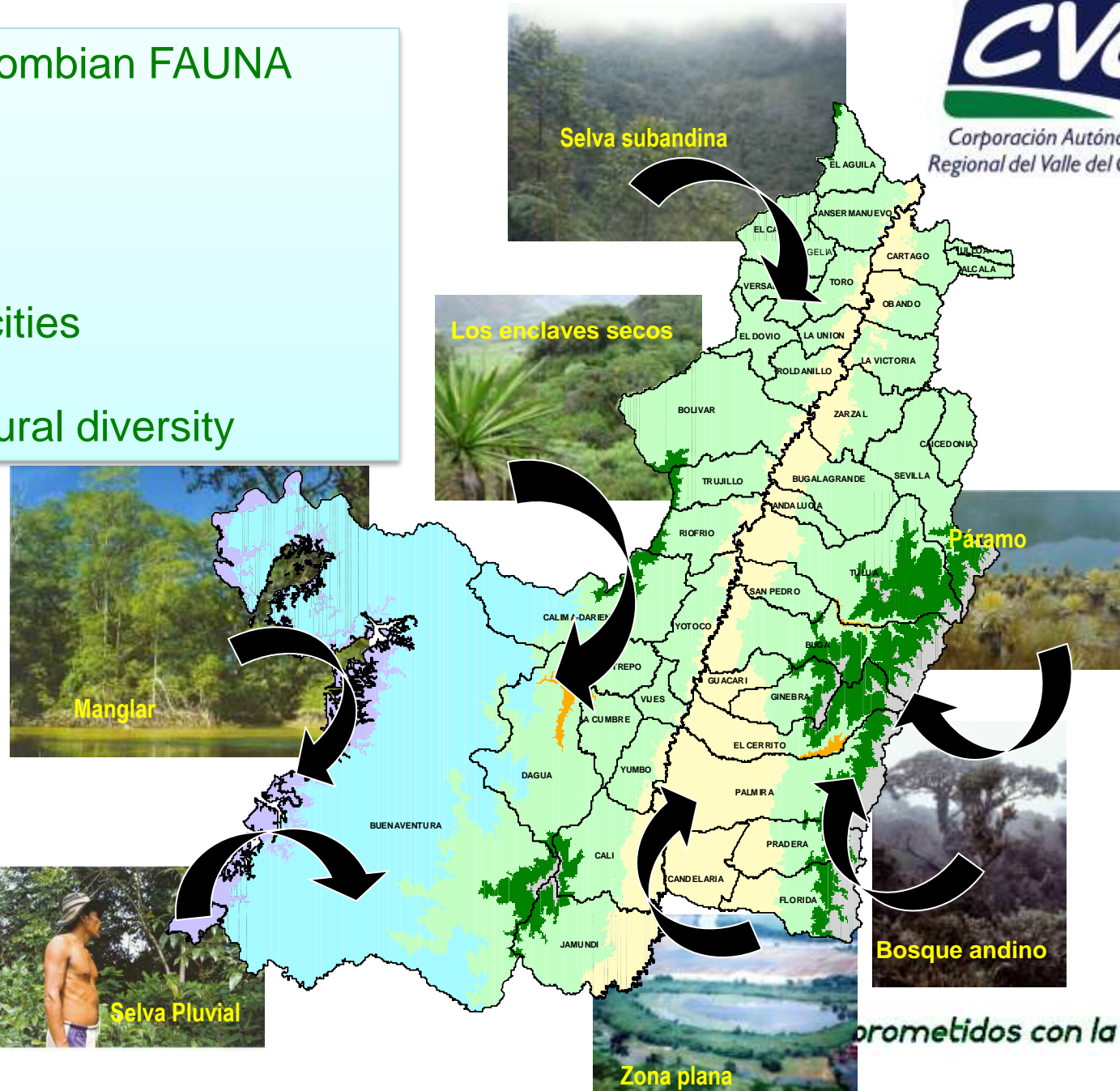
Ethnic and cultural diversity

22.140 km² ~

Massachusetts

Vermont

Nueva Jersey



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Colombia and Valle del Cauca Species

Group	Colombia Total	Threatened Colombia	Valle del Cauca Total	Threatened Valle del Cauca
Peces dulceacuícolas	1357	34	165	45
Anfibios	733	217	163	29
Reptiles	520	25	135	29
Aves	1875	153	818	161
Mamíferos	447	43	210	44



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THE COLLECTIVE DEVELOPMENT PROTECTED AREAS SYSTEM (2001)



Conceptual agreements

The **SIDAP** is defined as a group of principles, norms, strategies, actions, procedures, resources, social actors, and the natural areas protected in the Valle del Cauca department.

Principles:

Respect to life
Corresponsability
Participation
Equity

•**Objective:** Create an environment for the implementation of national and international policies in the field of conservation, preservation, protection, research, recovery and strengthen protected areas in the Valle del Cauca and its biodiversity under sustainable development criteria.



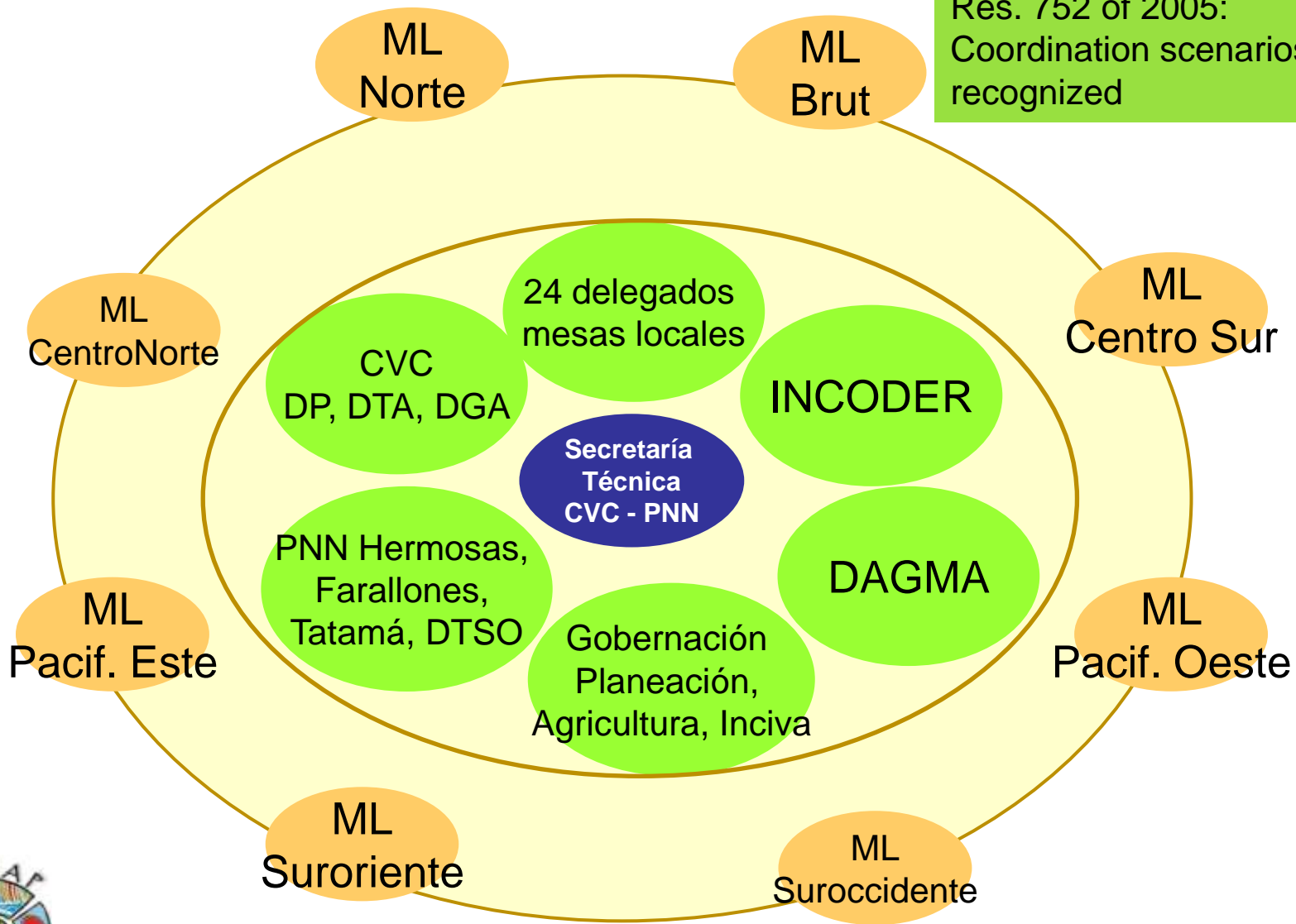
PARTICIPATION SUPPORTED A SOCIAL STRUCTURE

Legal establishment of agreements

Res. 752 of 2005:
Coordination scenarios were recognized

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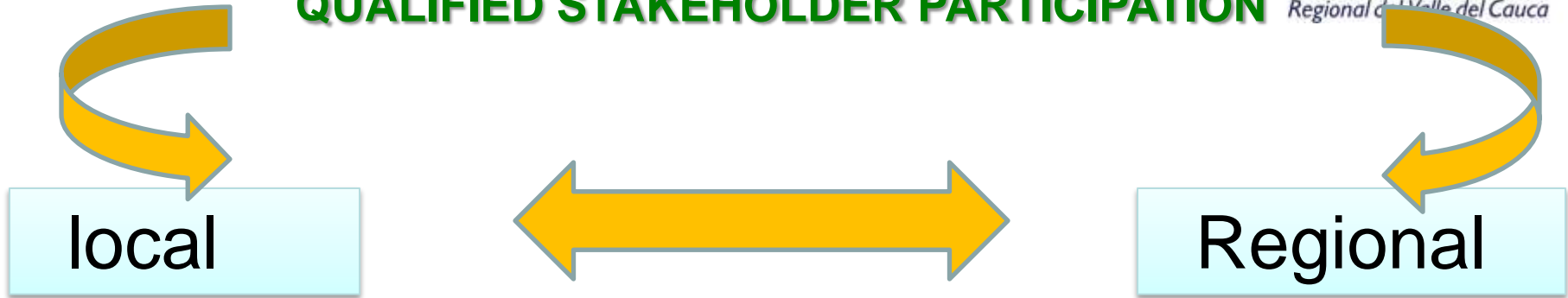
Departamental tables: 44 actores
Local tables: 80 - 120 actores

METHODOLOGICAL PRINCIPLES



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QUALIFIED STAKEHOLDER PARTICIPATION



Knowledge: traditional and academic

Consolidation of protected area processes

General agreements: concepts, methodologies



THE DIAGNOSIS: THE GAPS, NEEDS

- Actors strengthening
- Empty knowledge and few resource for this area
- Empty policy
- Urgency for decision-making

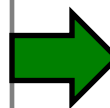
The road to get.....The conservation objectives

Conservation Objectives

1. Ensure continuity of ecological processes and to preserve biological diversity gene flow.T
2. Ensure the supply of environmental goods and services essential for human development
3. Ensure the permanence of the natural environment as a foundation of integrity and perseverance of the traditional cultures.

In practice makes it easy:

1. Identify potential areas (makes specific inquiry with the actors on their values conservation.
2. Building categories system associated with objectives
3. Develop management plans



INFORMATION !!!!!!

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or the delight research, recre

and historical and cultural s



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SPECIFIC OBJECTIVES AND CRITERIA OF CONSERVATION



PROTECTED AREAS SPECIFIC OBJECTIVES	CRITERIOS (CONDITIONS)
1.1 Preserve unaltered samples that represent whole ecosystems or ecosystems combinations of the country	Low representation, ecosystems diversity, continuous ecosystems, not fragmented
1.2. Areas essentials for wildlife perpetuation: distribution characteristics, population status, habitat or endemism requirements.	Classified as "in danger critical (CR)", endangered, (EN) vulnerable (VU), near threatened by the IUCN, species threatened regionally, (CVC : S1, S2), species with trend downwards, high species concentration sites





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PROTECTED AREAS SPECIFIC OBJECTIVES	CRITERIOS (CONDITIONS)
2.1. Keep the native plant coverage necessary to regulate the water supply, as well as to prevent and control massive erosion and sedimentation.	Hydrological systems providing water for human consumption, to power generation, reduce landslides, floods regulation.
2.2 Preserve productive capacity of terrestrial and aquatic ecosystems and wildlife resources	Presence of wild plant species related to agriculture, forestry, medicine, interaction biodiversity - production systems, areas that support species



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PROTECTED AREAS SPECIFIC OBJECTIVES	CRITERIOS (CONDITIONS)
2.3. Provide natural areas for research, recreation, and education.	Programs of research, facility for tourism, recreation, environmental education, landscapes, ecosystems in urban area
3.1. Preserve archaeological and historical and cultural sites associated with natural ecosystems	Ecosystems associated with some ancestral culture, presence of ethnic groups maintain cultural patterns of sustainable use of natural resources in areas of importance for biodiversity cosmogony

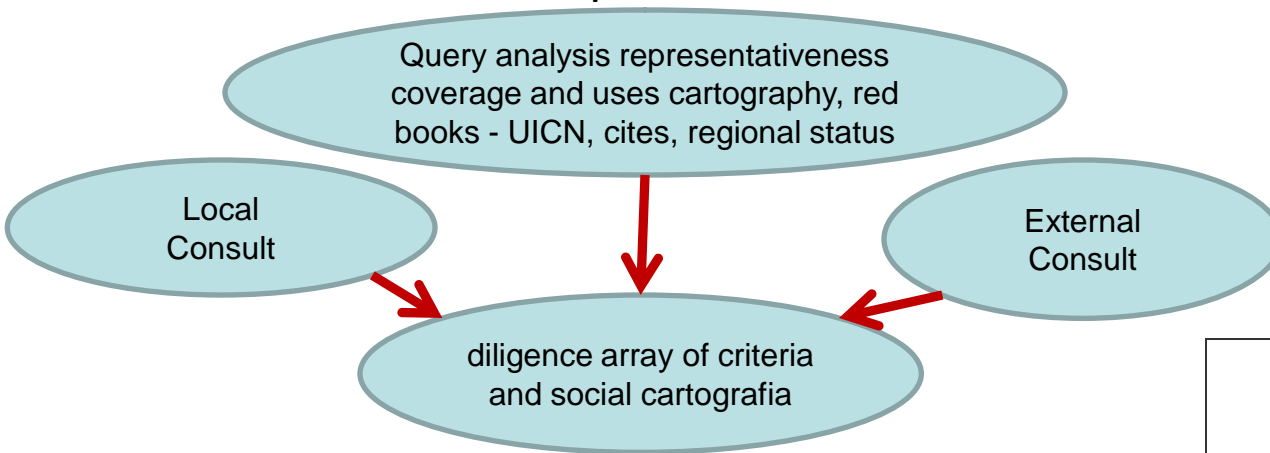


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Regional and local conservation process - identification and prioritization (2006 – 2007)



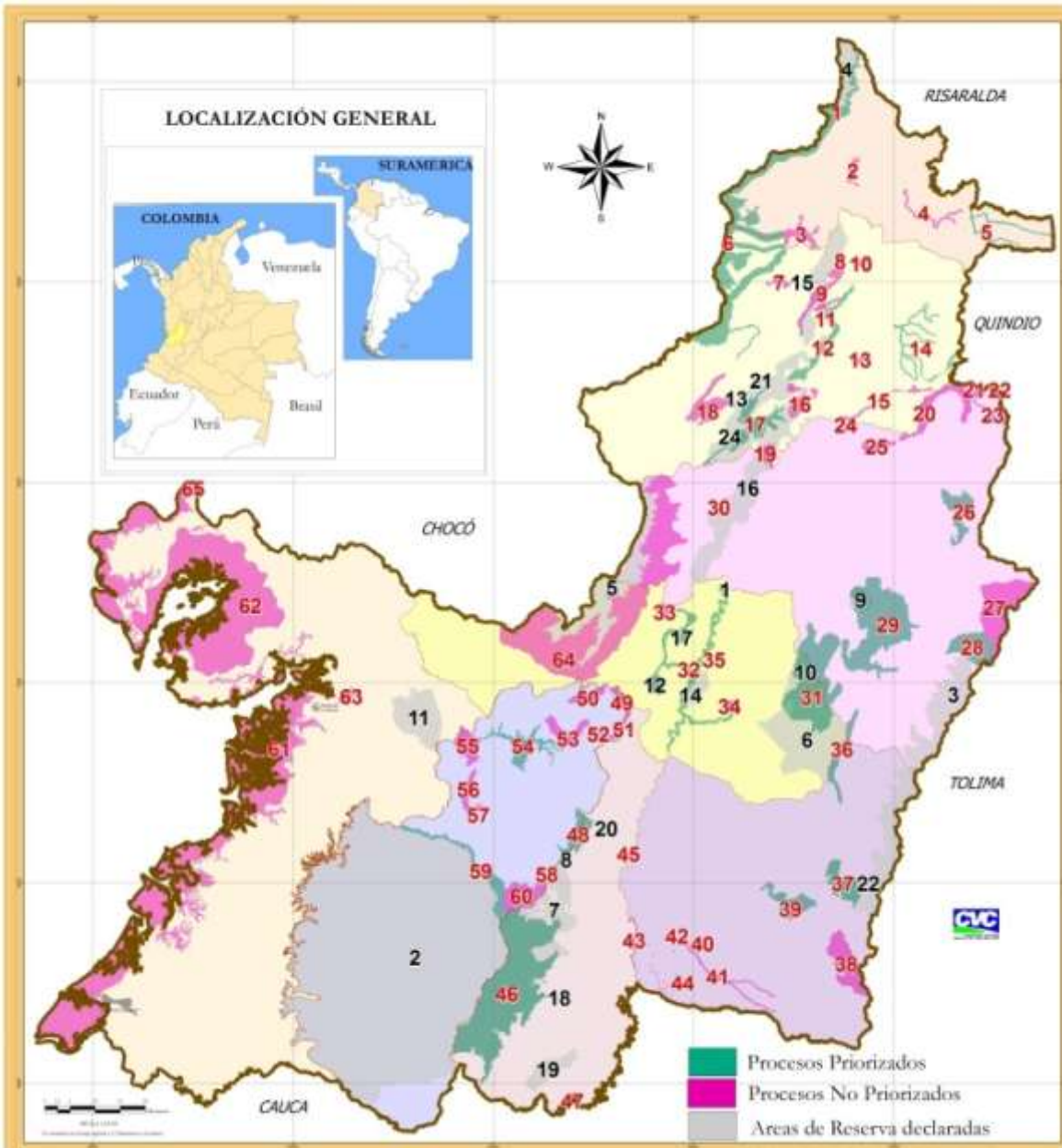
Conservation criteria provide reflection of the actors and the territorial location of conservation spot.



64 local processes



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- A process may include a protected area and complementary strategies.
- Not all processes are all protected area, it depends of:
 - capacity to comply with the concept of protected area.
 - Social and political support

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CONSERVATION PROCESSES PRIORIZACION

Territorial importance (level and field)		Purpose of conservation importance		Policy and social support	
Level	Punto	Level	Punto	%	Punto
Municipal	1	Important	1	0 – 25	-1
Departamental	2	Very important	2	26 – 50	0
Nacional	3	Crucial	3	51 - 75	1
				76 - 100	2



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CONSERVATION PROCESSES PRIORIZACION



Territorial Importance (level and field)

Lo territorial + lo estratégico

Level	Coverage	Strategic field	Punct.
NATIONAL	2 depts (states)	Representativeness, connectivity or national landscape, adjacent to PNN	3
REGIONAL	2 municipalities	Representativeness, connectivity or regional landscape, goods and service for more than an mpio	2
MUNICIPAL	1 municipality	Strategic area for the mpio in terms of biodiversity and goods and services	1





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IMPORTANCE OF CONSERVATION GOALS: CONSERVATION CRITERIA CALIFICATION	
Ecosystem with low representation ecosystem or high degree of complementarity and/or high extent to be replaceable (National level)	3
.....regional level	2
Area with natural ecosystem continuous or a little bit fragmented	2
Presence of some species classified as "in danger critical (RC) or Endangered (EN) by IUCN	3
Specie vulnerable (VU) by IUCN	2
Near threatened (NT) by the IUCN, with a tendency to decline, rare, endemic, CITES II, Regional threatened species (S1,2,3)	1
Sites with concentration of resident and migratory species.	3
Presence of rivers for consumption of human communities of municipalities, communities, sidewalks births	3,2
Existence of areas with native vegetation coverage that prevent or reduce the landslides and flooding	3
Hydrological systems that reduce floods of municipalities, communities, villages	3, 2,1
Hydrological systems to power more than 101 m ³ /seg, 2 - 100 m ³ ; less than 2	3, 2,1



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IMPORTANCE OF CONSERVATION GOALS: CONSERVATION CRITERIA CALIFICACION	
Presence of models wooded pasture or agroforestry compatible with the natural environment	2
Presence of wild plant species related to agriculture and forestry	2
Medicinal species using current or potential drug tested.	3 o 2
Provide resources very, moderately or sporadically used	3, 2, 1
Sites that provide protection to any species	3
Investigation programs	1
Ease of recreation, tourism and education	2
Natural coverage in urban areas	2
Wooded, not wooded systems or wetlands associated with some ancestral culture cosmogony	1
Presence of archaeological relicts or historical values, or samples of foremothers cultures associated with natural ecosystems of importance from the point of view of its biodiversity.	1



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POLICY AND SOCIAL SUPPORT



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To qualify stakeholders:

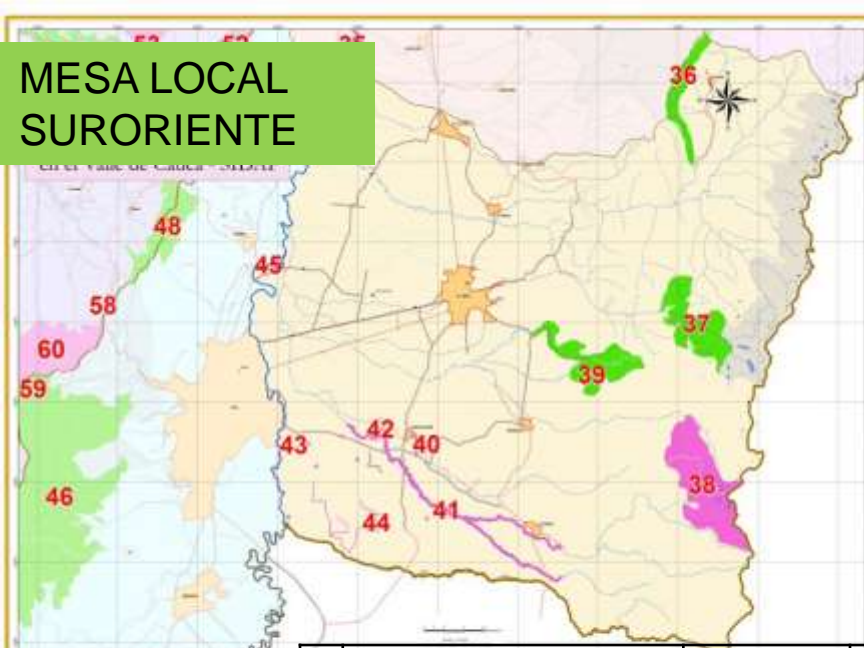
COMPROMISE		RESOURCES AND MANAGEMENT	
High	1	High cooperation	1
Middle	0.5	Low cooperation	0.5
Against	-1	Against	-1

%	Punct.	Treatment
0 – 25	-1	Low cooperation. Look for another management option.
26 – 50	0	To develop communication and education process.
51 – 75	1	Acceptable level of success.
76 - 100	2	High level of success.

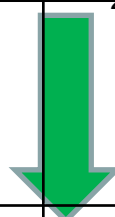


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MESA LOCAL SURORIENTE



N o	Local process	Importanc e	Importance of the conservation values	Will Political partner (actors in favour Vs against)	Total
1	Subxerófito enclave Gallo Ridge and connectivity Páramo of the Dominguez - pan of sugar - Valle Bonito	Nacional PNN 3	25 + 10 = 35	38% = 0	28
2	Conectividad Pronima – Proamaime- PNN Las Hermosas	Nacional PNN 3	42	74% = 1	46
3	Corridor Nirvana - Cali Arenillo - Buitrera - River - Aguacalra River Bolo-Timbique - linear Park - wetland reserve Recta Cali Palmyra - Forest City River Cauca-UNAL - Corpoica	Municipal – Palmira 1	19 + 20 = 39	87% = 2	22



PRIORIZAR

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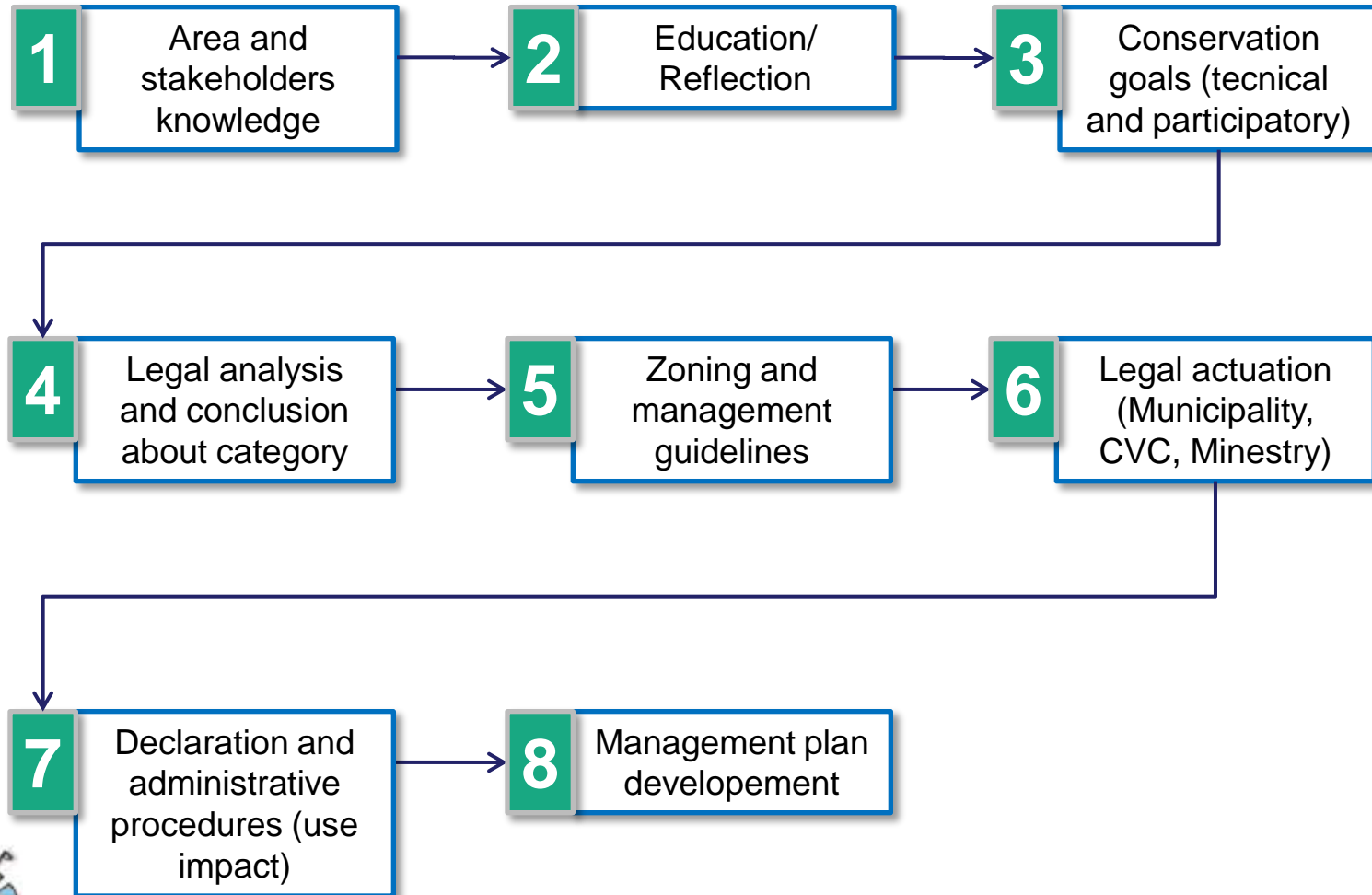


Procesos Areas Protegidas por DAR
Procesos Areas Protegidas Declaradas

PATH TO THE DECLARATION OF B.P. VALLEY, COLOMBIA



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Categorización de un área: Caso PNR Nima

OBJETIVO ECOSISTEMAS



O. ESP	CRITERIOS	CUMPLE	PONDERA O.ESP	PONDERA O.GENERAL	O. SPP	CRITERIOS	CUMPL E	POND ERA O.ES P	POND ERAO .GEN ERAL
1.1. E C O S I S T E M	Representative ness	✓.	4/4=1	9/11=0.81 Indicates a category for biodiversity	Use of Faun a and flora	Parientes silvestres	x	2/6=0. 33	6/14= 0.42
	Diversity	✓.	Indicates a strict category			Silvicultura	✓.		
	Continuity	✓.				Medicinal	✓.		
	Fragmentation	✓.				Sist. productivos	X		
1.2 Spp A M E N A Z A D A S	CR	x	5/7=0.71	Recrea tion and educ ation	Refuge para spp	X	1/4=0.2 5	0	0
	EN	✓.			Landscape values	X			
	VU	✓.			Urban ecosystems	X			
	NT	✓.			Cosmogonia -ecosystems	X			
	S1,S2,S3,	✓.			Ethnic groups and sustainable use	X			
	Trend to down	✓.			Relicts historical or archaeological	X			
	Spp concentration	X			Species and traditional knowledge	X			
2.1 Soil and H2O reg	H2O consumption	✓.	3/4=0.75	Ecosi stem s - cultur al	Cosmogonia -ecosystems	X	0	0	
	Energy generation systems	✓.			Ethnic groups and sustainable use	X			
	Landslide	X			Relicts historical or archaeological	X			
	Fire	✓.			Species and traditional knowledge	X			

PROPOSAL FOR A SYSTEM OF CATEGORIES FOR THE VALLEY BY SPECIFIC OBJECTIVES OF CONSERVATION



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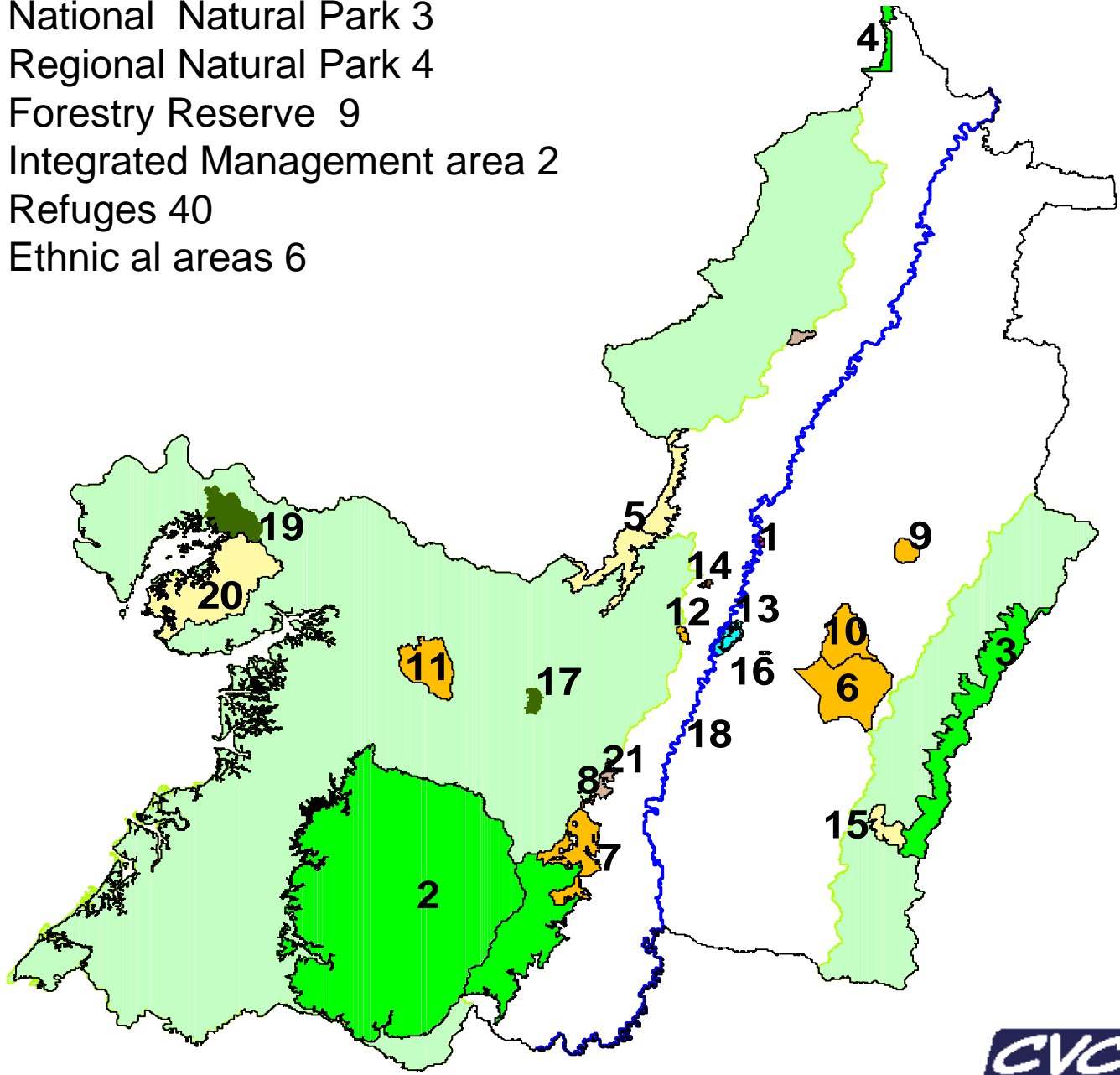
Conservation goals	Specific conservation goals	Categories	USE
1. Biodiversity	1.1 Ecosistemas	Parque natural regional/municipal Reserva Natural de la Sociedad Civil Reserva Natural Especial (RNE) Area Protegida Indigena (API)	ESTRICTO
	1.2 Especies	Reserva de recursos naturales. Territorio fáunico RNSC, RNE, API	ESTRICTO /Multiple
2. Environmental goods and services	2.1 Soil and water regulation	Reserva forestal protectora- Reserva hídrica municipal	ESTRICTO
	2.2 Use of fauna and flora	Distrito de manejo integrado RNSC, RNE, API	MULTIPLE
	2.3 Recreation and education	Paisaje protegido o area recreativa urbana o rural o Ecoparque.	MULTIPLE
3. Cultural	3.1 Archaeological, cultural and	Reservas naturales especiales. Area protegida indígena	ESTRICTO O MULTIPLE

Associate a goal with a category does not preclude other targets wanted set that it is the most important in the area



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National Natural Park 3
 Regional Natural Park 4
 Forestry Reserve 9
 Integrated Management area 2
 Refuges 40
 Ethnic al areas 6



Protected areas in Valle del Cauca

Trabaja con la vida.

- The central axis of the SIDAP is biodiversity for different purposes: ecological, cultural, goods and services.



LESSONS



- The efficiency of the system depends on its areas contain values in situ conservation clearly identified object.
- Conservation criteria have allowed SIDAP Valley reflection from the local to define conservation to the regional goals
- It is essential that planning in two-way: (concrete) local and regional (political positioning)
- Different knowledge integration as a methodological strategy to address information gaps.
- Declaration of areas processes have qualified through methodological proposals.
- Although the use of methodologies standardization and objectivity, finally decisions have a high component will actors sociopoitica



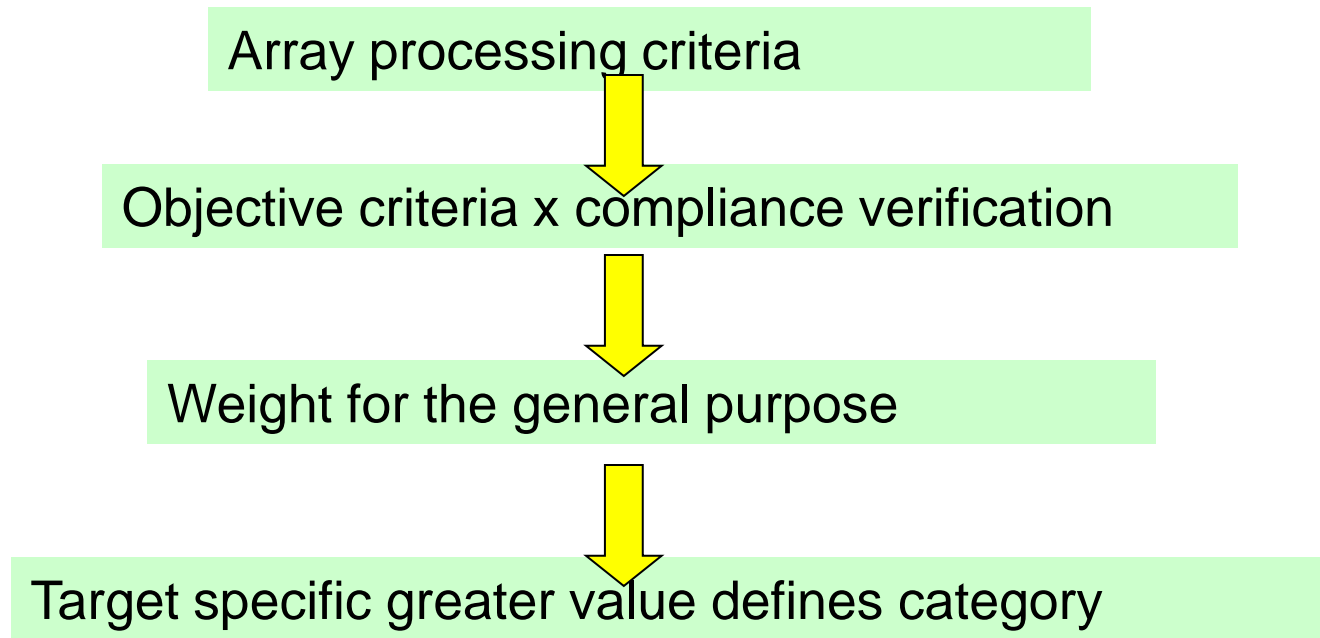
STAKEHOLDERS OF PROTECTED AREAS SYSTEM



THANKS!

TO DECLARE A PROTECTED AREA

- Objectives and categorization of areas:



RESULTS

- 95 local processes identified.
- 21 prioritized for declaratory, complementary strategies or areas (management plans) consolidation.
- Between 2006-2009: 3 processes consolidated as protected areas (natural resource reservation re... (natural resource reserves).
- 15 processes... (resources, projects, actors articula...)



CATEGORIA	No	HA
PARQUES NACIONALES	3	228.267
PARQUES REGIONALES	4	42819
RESERVAS FORESTALES NACIONALES	5 (4?)	42.370 (52.126?)
RESERVAS FORESTALES REGIONALES	2	466
DISTRITOS DE MANEJO INTEGRADOS	2	7802
RESERVA NATURAL	1	2.073
RESERVA DE RECURSOS NATURALES	40	900
RESERVA NATURAL ESPECIAL ANCHICAYA	1	22.000
AREAS PROTEGIDAS INDIGENAS	5	500
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