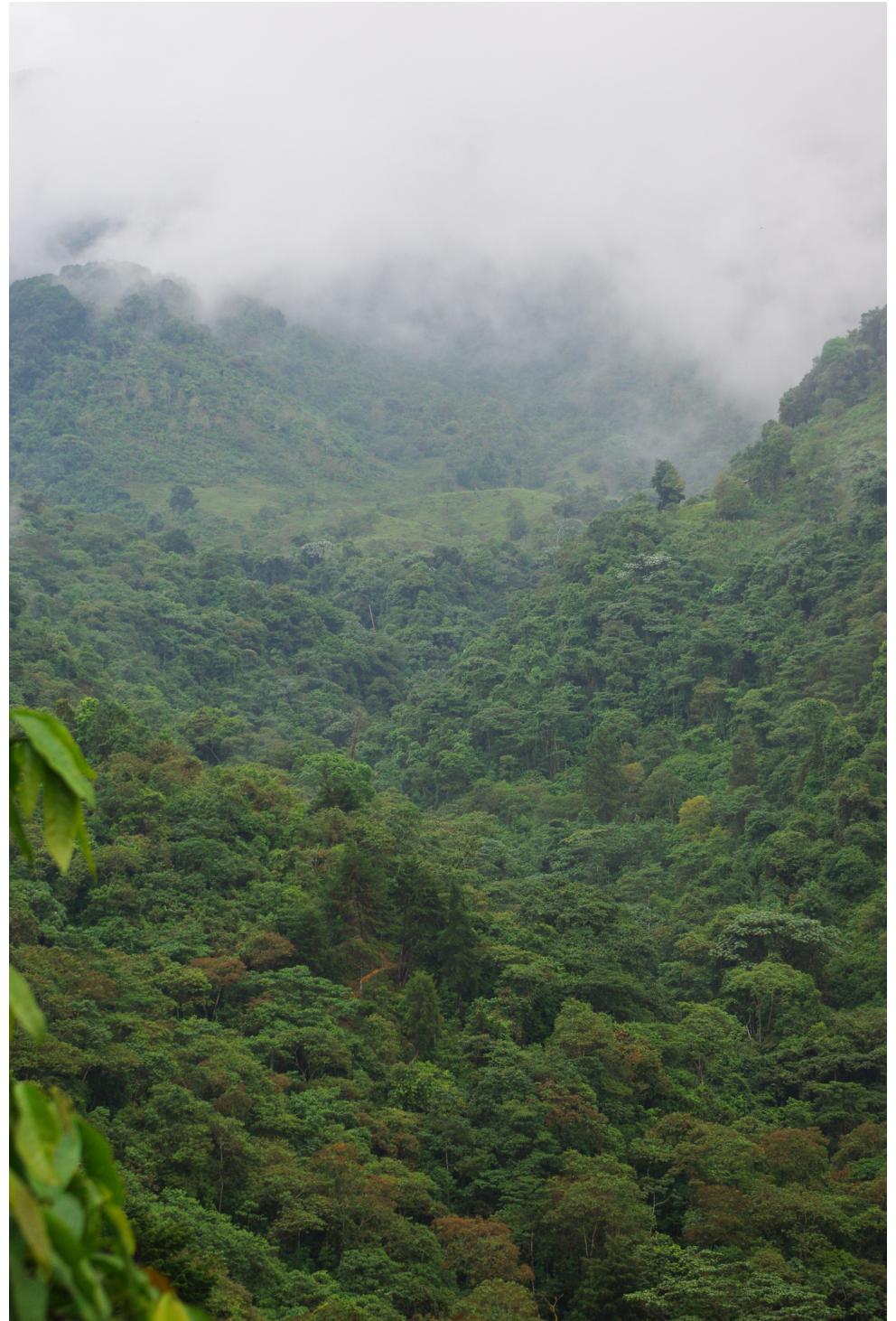


Establishing Consensus on Ranking as a Tool for Diagnostic Screening



Ranking Approach

Can we provide recommendations or guidance for using this approach?

Breakout Groups:

- 1). Should there be standard factors for each ecological objective?
- 2). Do factors need to differ for restoration and protection?
- 3). Do factors need to differ across scales?
- 4). Aligning factors and monitoring protocols



Factors for Ecological Objectives: Cauca Valley

Terrestrial Biodiversity	Erosion Control	Annual Water Supply	Dry Season Water Supply
Native vegetation	Slope	Response to intervention	Slope
Landscape connectivity	Concavity		Elevation (fog)
Patch size	Soil depth		Soil depth
Context	Patch size		Aspect
Protected status	Distance from river		Rainfall
	Rainfall erosivity		Land cover
	Surface runoff		
	Land cover		

Standard Factors for Ecological Objectives?

Objective	Factor	Cauca	Bogota	FONAPA	AFCS TNC	Extrem a Muni	LA Metro Screen
Erosion Control	slope	x	x	x	x		
	soil depth	x	x				
	distance to river	x	x				
	erosivity	x	x				
	cumulative water yield	x R	x				
	land cover	x P	x				
	concavity	x					
	patch size	x	x P				
	% watershed degradation					x	
	climate risk-erosion			x			
	climate risk-mass wasting			x			
	erosion risk				x		
	watersheds >100,000 ha				x		

Standard Factors for Ecological Objectives?

Objective	Factor	Cauca	Bogota	FONAPA	AFCS TNC	Extrem a Muni	LA Metro Screen
Erosion Control	slope	x	x	x	x		
	soil depth	x	x				
	distance to river	x	x				
	erosivity	x	x				
	cumulative water yield	x R	x				
	land cover	x P	x				
	concavity	x					
	patch size	x	x P				
	% watershed degradation					x	
	climate risk-erosion			x			
	climate risk-mass wasting			x			
	erosion risk				x		
	watersheds >100,000 ha				x		

Standard Factors for Ecological Objectives?

Objective	Factor	Cauca	Bogota	FONAPA	AFCS TNC	Extrem a Muni	LA Metro Screen
Biodiversity	connectivity	X	X				
	patch size	X	X				
	protected status	X	X				
	landcover	xP,F	X				
	context	X	X				
	ecosystem diversity		X				
	conservation priorities						X

Standard Factors for Ecological Objectives?

Objective	Factor	Cauca	Bogota	FONAPA	AFCS TNC	Extrem a Muni	LA Metro Screen
Water Yield	modeled impact of activity	x					
	protected status			x P			
	forest types			x P			
	plant diversity			x P			
	plant endemism			x P			
	number of beneficiaries						x
	water availability						x
	% converted/degraded						x
	per capita water demand						x

Standard Factors for Ecological Objectives?

Objective	Factor	Cauca	Bogota	FONAPA	AFCS TNC	Extrem a Muni	LA Metro Screen
Baseflow (Dry season)	slope	x					
	soil depth	x					
	elevation (fog)	x					
	aspect	x					
	rainfall intensity and depth	x					
	distance from river	x					
	landcover				x P		
	seasonal water availability						x

Standard Factors for Ecological Objectives?

Objective	Factor	Cauca	Bogota	FONAPA	AFCS TNC	Extrem a Muni	LA Metro Screen
Water Quality	fecal coliform concentration			X			
	distance bn water sources y ag			X			
	distance bn water sources y pasture			X			
	distance bn water sources y cities			X			
	distance bn water resources y roads			X			

Standard Factors for Ecological Objectives?

For next session

Objective	Factor	Cauca	Bogota	FONAPA	AFCS TNC	Extrem a Muni	LA Metro Screen
Socio-Political	likelihood of success						X
	political will						X
	potential for funding						X
	stakeholder priorities	X					

Ranking Approach

Can we provide recommendations or guidance for using this approach?

Breakout Groups:

1). Should there be standard factors for each ecological objective?

Not a lot of consistency yet, worth exploring



Ranking Approach

Can we provide recommendations or guidance for using this approach?

Breakout Groups:

2). Do factors need to differ for restoration and protection?

Objective	Factor	Activity
Erosion control	cumulative water yield	R
	land cover	P
	patch size	P
Water yield	forest type	P
	plant diversity	P
	plant endemism	P
Baseflow	land cover	P
Biodiversity	land cover	P, F

Ranking Approach

Can we provide recommendations or guidance for using this approach?

Breakout Groups:

3). Do factors need to differ across scales?

Large Scale:

Beneficiaries (largest cities, population density)

Others?



Ranking Approach

Can we provide recommendations or guidance for using this approach?

Breakout Groups:

4). Aligning factors and monitoring protocols

How could monitoring data improve the ranking approach?

- direct observations of erosion risk: move more towards estimated change instead of core factors
- meteorology observations improve yield and erosion factors

