

IDENTIFYING THE COST OF STRATEGIES IN THE NBSAP



AND DETERMINING THE GAP

Steps in mobilizing resources

REVIEW BROADER CONTEXT

- 1a) Identify sectoral drivers of loss
- 1b) Assess sectoral institutions and actors
- 1c) Review biodiversity expenditures



ASSESS COSTS AND GAP

- 2a) Assess costs of strategies and actions
- 2b) Calculate the financial gap



MOBILIZE FINANCIAL RESOURCES

- 3a) Identify finance actors and mechanisms
- 3b) Develop resource mobilization plan

What is the cost of specific strategies and actions



**Biodiversity
mainstreaming**



Protection



Restoration



**Access and benefits
sharing (ABS)**



**Enhancing
implementation**

Using the Aichi Biodiversity Targets to identify costs

	Understand values		Sustainable fisheries		Protected areas		Implement Nagoya Prot.
	Mainstream biodiversity		Manage within limits		Prevent extinctions		
	Address incentives		Reduce pollution		Conserve gene pool		Revise NBSAPs
	Sustainable production		Reduce invasive spp.		Restore ecosystems		Respect and conserve TK
	Halve rate of loss		Minimize reef loss		Enhance resilience		Improve knowledge
							Mobilize resources

Aichi Biodiversity Targets – 5 core categories

Mainstreaming and use



Understand values



Sustainable fisheries



Mainstream biodiversity



Manage within limits



Address incentives



Reduce pollution



Sustainable production



Reduce invasive spp.



Halve rate of loss



Minimize reef loss

Protection



Protected areas



Prevent extinctions



Conserve gene pool

Restoration



Restore ecosystems



Enhance resilience

ABS



Implement Nagoya Prot.

Enabling



Revise NBSAPs



Respect and conserve TK



Improve knowledge



Mobilize resources

FROM STRATEGIES AND ACTIONS TO COSTS



Strategies

Sub-strategies

Actions
Actions
Actions
Actions

Cost elements	Cost elements
Cost elements	Cost elements
Cost elements	Cost elements
Cost elements	Cost elements
Cost elements	Cost elements
Cost elements	Cost elements
Cost elements	Cost elements

Sub-strategies

Actions
Actions
Actions
Actions

Cost elements	Cost elements
Cost elements	Cost elements
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Sub-strategies

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Sub-strategies

Actions
Actions
Actions
Actions



Protection strategy: Create connectivity corridor in order to maintain viable populations of wide-ranging species

Create connectivity corridor	Cost elements	High	Med	Low
Land acquisition	Staff, materials, travel, land acquisition	250K	175K	125K
Inventory and site analysis	Staff, materials, travel	125K	100K	75K
Alternative livelihood program for communities within corridor	Staff, materials, travel	450K	350K	250K



Protection strategy: Create connectivity corridor in order to maintain viable populations of wide-ranging species

ACTION: Conduct inventory and site analysis

Conduct inventory	Cost elements	High	Med	Low
Conduct site-level inventory	Staff time – 100 days	25,000	15,000	10,000
	Travel – 2500 miles			
	25 camera traps	5000	4000	3000
Conduct GIS inventory	Staff time – 10 days	2500	1500	1000
	Updated GIS layers	4500	3200	1800
Gather all existing data	Staff time – 50 days	12,500	7,500	5,000
Legal analysis of boundaries	Legal time – 3 days	1500	1200	900



Mainstreaming strategy: Reduce impacts of intensive agriculture by developing a training program to help farmers transition to low-impact agricultural practices

Develop agricultural training program	Cost elements	High est.	Med est.	Low est.
Develop best practices and guidelines	Staff, materials, travel	250K	175K	125K
Develop training curriculum on low-impact agriculture	Staff, materials, travel	125K	100K	75K
Conduct training of trainers	Staff, materials, travel	450K	350K	250K

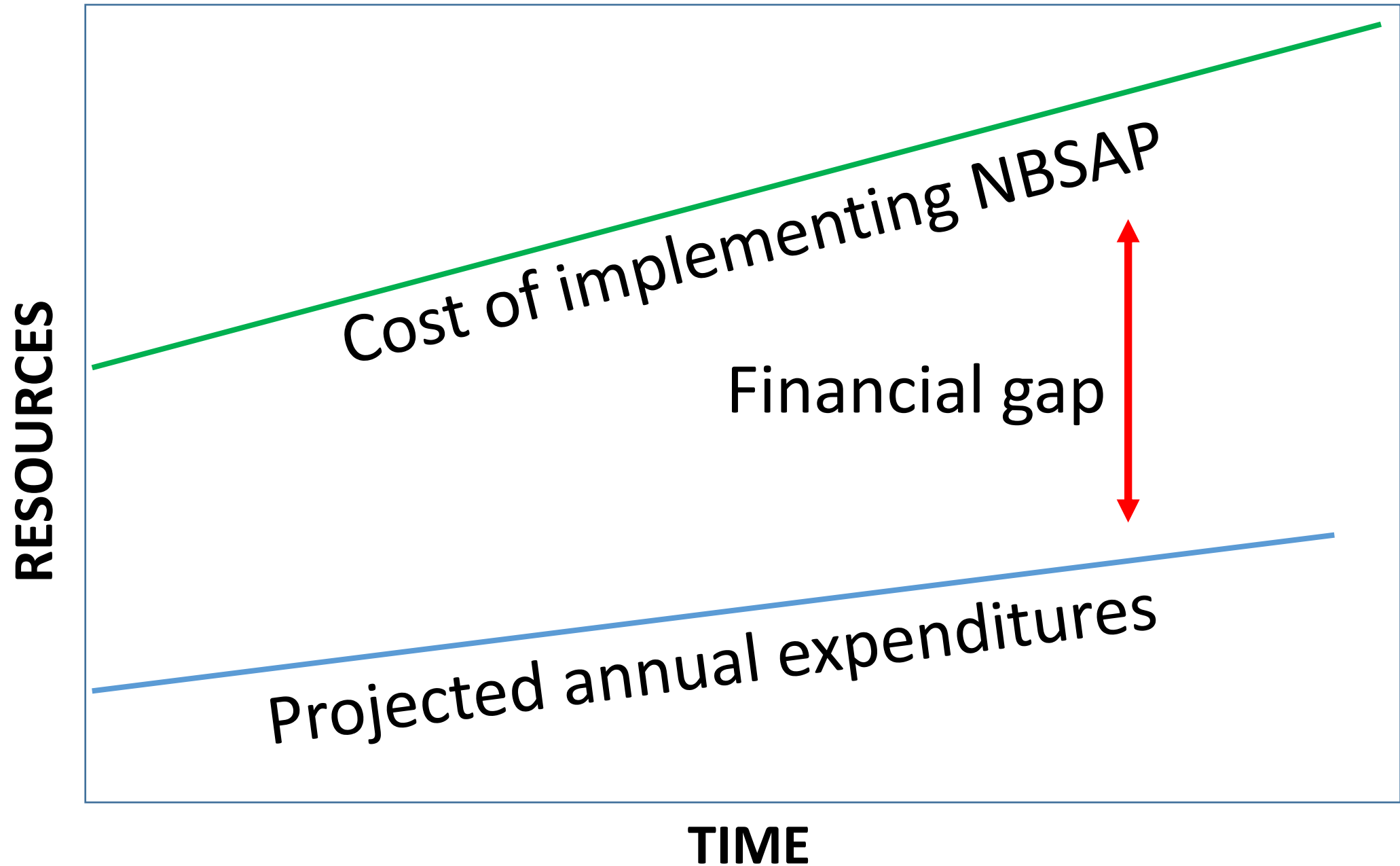


Mainstreaming strategy: Reduce impacts of intensive agriculture by developing a training program

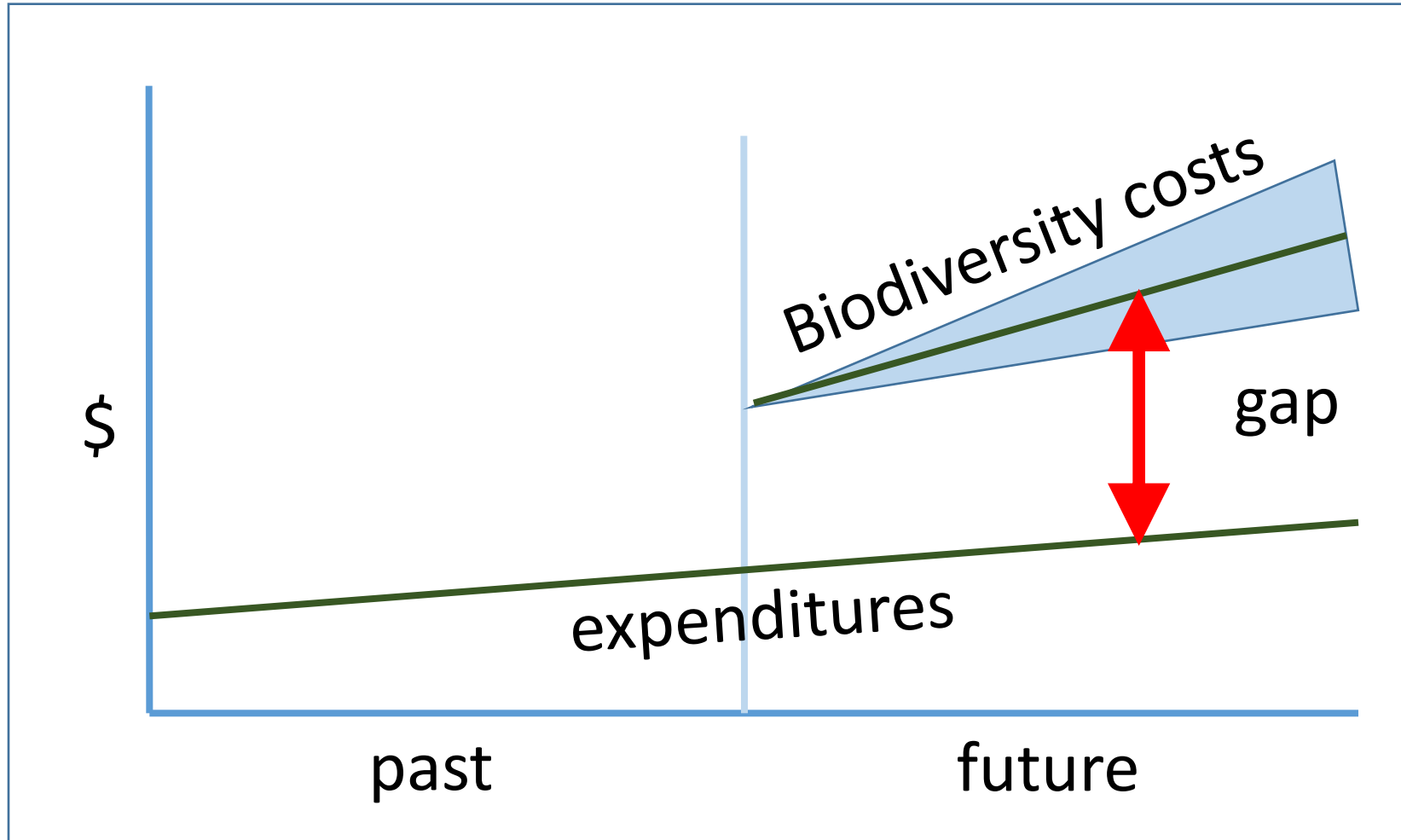
ACTION: Conduct training of trainers

Conduct training of trainers	Cost elements	High	Med	Low
Participants and trainers	Travel and DSA	60,000	50,000	40,000
Workshop venue	Hotel	5000	4000	3000
Printed material	Photocopying, binding	5000	4000	3000
Translations	Translators, 4 days	2000	1000	800
	Translation of materials	10000	8000	3000
Field trip	Driver, gas, guide	7200	3600	2200
Follow up webinar	Web hosting costs	2500	1200	0

DETERMINE THE FINANCIAL GAP



Factoring in uncertainty and estimates



Costing: 3 key issues

One-time vs. recurring: Some costs occur once, while others are recurring



Example: Tree planting that occurs once vs. a multi-year afforestation process

Costing: 3 key issues

Timing: Not all costs will occur at once – they should be scheduled along a timeline



Example: Gradual phasing out and eventual elimination of harmful subsidies over time

Costing: 3 key issues

Sequencing and prioritizing: Not all strategies and related costs are equal...planners should consider prioritizing and sequencing



Example: Urgent restoration for critical ecosystems efforts prioritized over creation of PA in intact area



REFLECTION POINT