Resource Mobilization and Financial Reporting under the CBD

Assessing funding needs, gaps, and priorities: costing the NBSAPs

Sub-regional workshop on financial reporting and resource mobilization for East and Southern Africa
Entebbe, Uganda, 24-25 November 2015

Csoban Somodi
Secretariat of the Convention on Biological Diversity

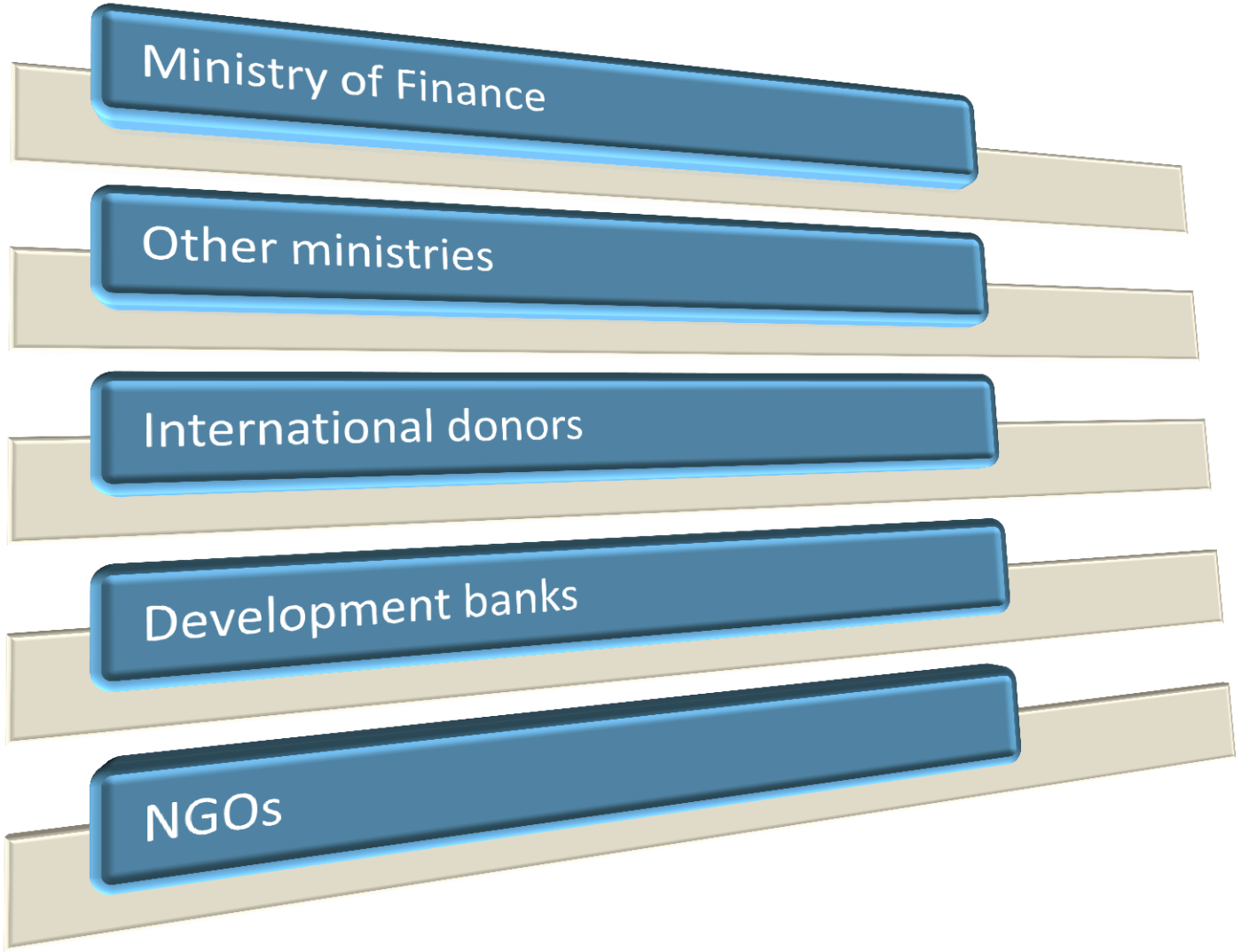
Convention on Biological Diversity

COP12 / MOP7 / MOP1
PYEONGCHANG KOREA 2014

Introduction

- Very few countries have so far submitted fully costed NBSAP
- Every country has its own approach to budgeting
- The question to ask is : “who will be deciding on the budget financing?”

Financial decision makers



Better integration of NBSAPs

- Aligning NBSAP budgeting with the national budgeting process
- The role of using national budgeting codes (UNDP BIOFIN initiative).

Setting priorities: guidance on cost effectiveness

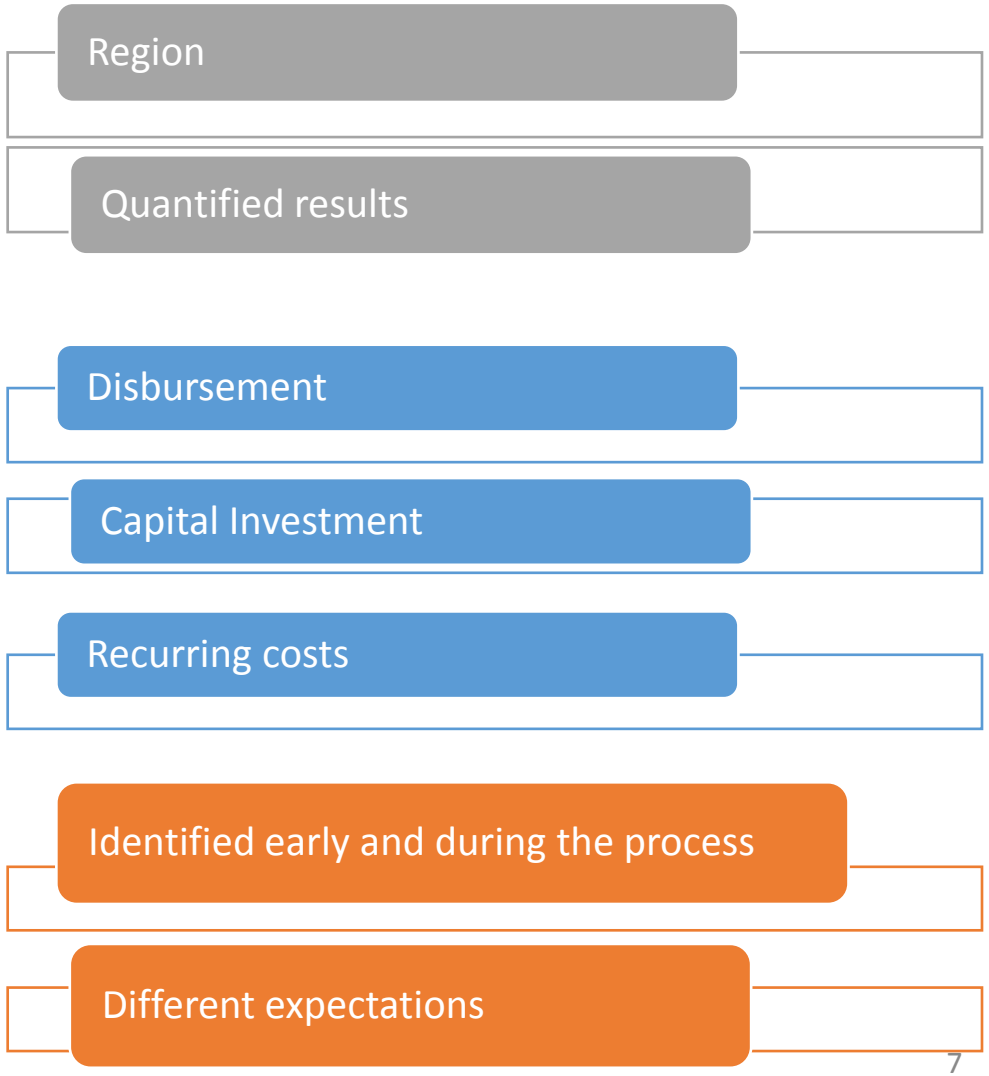
- Use NBSAP process by identifying, prioritizing and categorizing the most critical areas.
- Begin with the effective tools that are already in place and where we have experience.
- It is advised to do as much costing as possible and, as a precondition, to develop an action plan with clear, quantifiable targets.

How to determine funding needs

- Use the NBSAP to identify the activities that need to be implemented in order to achieve the national targets – including scope, schedule, and stakeholders
- Assess the actual cost of achieving specific target or associated strategies by developing a detailed programme of 'costable' activities ('work breakdown structure' – WBS)
- Synergize with the GEF cycle and the GEF-7 needs assessment (see questionnaire)

Key elements to prepare for accurate NBSAP costing

- **Scope**
- **Schedule of implementation**
- **Stakeholders**



Scope

- NBSAP as a basis for creating a work breakdown structure (WBS)
- Lowest level of WBS to be used for estimation of duration, resource needs, and associated cost
- **Pitfall**: Excessive decomposition
- **Recommendation:** stop further decomposition when associated cost can be identified with reasonable accuracy

Decomposition of targets/strategies

Decomposition: example

Program 1 Build resilience of biodiversity to manage, control and reduce the risks and impacts of climate change and natural disasters	
Sub-program 1.1 Improve knowledge on the impact of climate change and natural disasters on biodiversity	
Action 1.1.1 Conduct assessment of impacts of climate change and natural disasters on biodiversity	
	Consultatory meeting for TOR
	Inception workshop
	Consultancy
	Review and testing
	Validation workshop

Timing

- **Principle**: manage by stages
- **Tool**: “Rolling” wave planning (progressive elaboration)

Result: Scheduled activities for resource estimations

(‘Gantt chart’)

Timing

Timing (Gantt chart)

Activity structure		2016	Q1	Q2	Q3	Q4	2017	2018
Program 1 Build resilience of biodiversity to manage, control and reduce the risks and impacts of climate change and natural disasters		0	0		0		0	0
Sub-program 1.1 Improve knowledge on the impact of climate change and natural disasters on biodiversity		0	0	0	0	0	0	0
Action 1.1.1 Conduct assessment of impacts of climate change and natural disasters on biodiversity		0	0	0	0	0	0	0
	Consultatory meeting for TOR	0	x					
	Inception workshop	0		x				
	Consultancy	0			x	x		
	Review and testing	0					x	
	Validation workshop	0					x	
Action 1.1.2 Raise awareness of meteorologists and climatologists on the linkages between climate information and biodiversity conservation		0	0	0	0	0	0	0
	Inception workshop (for 1.1.1)	0		x				
	Research	0			x			
	Validation workshop (for 1.1.1)	0				x		
	Academic publication of assessment study	0					x	
	.	0						
Sub-program 1.2 Ensure meteorology and climate change information systems are relevant to biodiversity protection and conservation.		0	0	0	0	0	0	0
Action 1.2.1 Work closely with the Met Office to develop information systems that are relevant to biodiversity		0	0	0	0	0	0	0
	Elaboration of requirements(meetings)				x			
	Execution of the development (meetings, validation, purchasing software)	0				x	x	
	Conducting tests	0					x	
	Validation of final product	0					x	
	Workshop for training on the IS	0						x

How to estimate resource needs and costs?

TOOLS:

- Expert judgment
- Alternative analysis
- Published estimating data
- Bottom-up estimating (cost aggregation)

How to estimate activity durations?

TOOLS:

- Analogous estimating (historical data from similar project)
- Parametric estimating (statistical relationship)
- Three point estimating (Beta distribution (tO+4tM+tP)/6)
- Expert judgment
- Group decision-making techniques

How about administrative cost?

- Need to be included in estimations of the biodiversity budget and expenditure data.
- The degree to which it is deemed as relevant is taken as proportionate to the rest of the activities in that programme.
- For example: if 90% of the non-administration activities are deemed to be relevant to biodiversity, then 90% of the administration budget is assumed to be relevant to biodiversity.

Example from Namibia NBSAP

- Programmes, sub-programmes, and activities are taken verbatim from the NBSAP
- ‘Costable’ activities and numbers assigned are our making, for illustrative purposes

Example from Namibia NBSAP

Activity structure		2016	Q1	Q2	Q3	Q4	2017	2018	Total 2016-2018
Program 1 Build resilience of biodiversity to manage, control and reduce the risks and impacts of climate change and natural disasters		**305,000**	**30,000**	**60,000**	**65,000**	**150,000**	**173,000**	**45,000**	**523,000**
Sub-program 1.1 Improve knowledge on the impact of climate change and natural disasters on biodiversity		**200,000**	**30,000**	**60,000**	**60,000**	**50,000**	**83,000**	**0**	**283,000**
Action 1.1.1 Conduct assessment of impacts of climate change and natural disasters on biodiversity		**190,000**	**30,000**	**60,000**	**50,000**	**50,000**	**80,000**	**0**	**270,000**
	Consultatory meeting for TOR	30,000	30,000						30,000
	Inception workshop	60,000		60,000					60,000
	Consultancy	100,000			50,000	50,000			100,000
	Review and testing	0					20,000		20,000
	Validation workshop	0					60,000		60,000
Action 1.1.2 Raise awareness of meteorologists and climatologists on the linkages between climate information and biodiversity conservation		**10,000**	**0**	**0**	**10,000**	**0**	**3,000**	**0**	**13,000**
	Inception workshop (for 1.1.1)	0		0					0
	Research	10,000			10,000				10,000
	Validation workshop (for 1.1.1)	0				0			0
	Academic publication of assessment study	0					3,000		3,000
	.	0							0
Sub-program 1.2 Ensure meteorology and climate change information systems are relevant to biodiversity protection and conservation.		**105,000**	**0**	**0**	**5,000**	**100,000**	**90,000**	**45,000**	**240,000**
Action 1.2.1 Work closely with the Met Office to develop information systems that are relevant to biodiversity		**105,000**	**0**	**0**	**5,000**	**100,000**	**90,000**	**45,000**	**240,000**
	Elaboration of requirements(meetings)	5,000			5,000				5,000
	Execution of the development (meetings, validation, purchasing software)	100,000				100,000	60,000		160,000
	Conducting tests	0					20,000		20,000
	Validation of final product	0					10,000		10,000
	Workshop for training on the IS	0						45,000	45,000

Example from Namibia NBSAP

Activity structure	2016	Q1	Q2	Q3	Q4	2017	2018	Total 2016-2018
Program 1 Address the underlying causes of biodiversity loss by mainstreaming biodiversity across government and society	**405,000**	**30,000**	**100,000**	**130,000**	**145,000**	**120,000**	**105,000**	**630,000**
Sub-program 1.1 By 2018, biodiversity values and prioritized ecosystem services are quantified, monitored and mainstreamed to support national and sectoral policy-making, planning, budgeting and decision-making frameworks	**400,000**	**30,000**	**100,000**	**130,000**	**140,000**	**55,000**	**90,000**	**545,000**
Action 1.1.1 Contextualize and apply biodiversity and ecosystems services valuation tools to quantify and monitor the environmental, economic and social value of biodiversity	**290,000**	**30,000**	**60,000**	**100,000**	**100,000**	**50,000**	**90,000**	**430,000**
Consultatory meeting for TOR	30,000	30,000						30,000
Inception workshop	60,000		60,000					60,000
Execution of the development (meetings, validation, purchasing SV	200,000			100,000	100,000	30,000		230,000
Review and testing	0					20,000	10,000	30,000
Workshop for training on the IS	0						80,000	80,000
Action 1.1.2 Integrates biodiversity and ecosystem services valuations into decision-making and to develop a business case	**110,000**	**0**	**40,000**	**30,000**	**40,000**	**5,000**	**0**	**115,000**
Inception workshop	40,000		40,000					40,000
Research	30,000			30,000				30,000
Validation workshop	40,000				40,000			40,000
Finalization and distribution	0					5,000		5,000
.	0							0
Sub-program 1.2 By 2018, selected incentives for biodiversity conservation and sustainable use are in place and applied, and the most harmful subsidies are identified and their phase out is	**5,000**	**0**	**0**	**0**	**5,000**	**65,000**	**15,000**	**85,000**
Action 1.2.1 Analyze existing and identify potential incentives to encourage biodiversity conservation and sustainable use and discourage activities that impact negatively on biodiversity	**5,000**	**0**	**0**	**0**	**5,000**	**65,000**	**15,000**	**85,000**
Elaboration of requirements(meetings)	5,000				5,000			5,000
Consultancy meeting for brainstorming	0					30,000		30,000

Verbatim from NBSAP

Example from Namibia NBSAP

Activity structure	2016	Q1	Q2	Q3	Q4	2017	2018	Total 2016-2018
Program 1 Address the underlying causes of biodiversity loss by mainstreaming biodiversity across government and society	**405,000**	**30,000**	**100,000**	**130,000**	**145,000**	**120,000**	**105,000**	**630,000**
Sub-program 1.1 By 2018, biodiversity values and prioritized ecosystem services are quantified, monitored and mainstreamed to support national and sectoral policy-making, planning, budgeting and decision-making frameworks	**400,000**	**30,000**	**100,000**	**130,000**	**140,000**	**55,000**	**90,000**	**545,000**
Action 1.1.1 Contextualize and apply biodiversity and ecosystems services valuation tools to quantify and monitor the environmental, economic and social value of biodiversity	**290,000**	**30,000**	**60,000**	**100,000**	**100,000**	**50,000**	**90,000**	**430,000**
Consultatory meeting for TOR	30,000	30,000						30,000
Inception workshop	60,000		60,000					60,000
Execution of the development (meetings, validation, purchasing SV	200,000			100,000	100,000	30,000		230,000
Review and testing						20,000	10,000	30,000
Workshop for training on the IS	0						80,000	80,000
Action 1.1.2 integrates biodiversity and ecosystem services valuations into decision-making and to develop a business case	**110,000**	**0**	**40,000**	**30,000**	**40,000**	**5,000**	**0**	**115,000**
Inception workshop	40,000		40,000					40,000
Research	30,000			30,000				30,000
Validation workshop	40,000				40,000			40,000
Finalization and distribution	0					5,000		5,000
.	0							0
Sub-program 1.2 By 2018, selected incentives for biodiversity conservation and sustainable use are in place and applied, and the most harmful subsidies are identified and their phase out is	**5,000**	**0**	**0**	**0**	**5,000**	**65,000**	**15,000**	**85,000**
Action 1.2.1 Analyze existing and identify potential incentives to encourage biodiversity conservation and sustainable use and discourage activities that impact negatively on biodiversity	**5,000**	**0**	**0**	**0**	**5,000**	**65,000**	**15,000**	**85,000**
Elaboration of requirements(meetings)	5,000				5,000			5,000
Consultancy meeting for brainstorming	0					30,000		30,000

Work breakdown structure

Example from Namibia NBSAP

Timing (Gantt chart)

Activity structure	2016	Q1	Q2	Q3	Q4	2017	2018	Total 2016 2018
Program 1 Address the underlying causes of biodiversity loss by mainstreaming biodiversity across government and society	405,000	30,000	100,000	130,000	145,000	120,000	105,000	630,000
Sub-program 1.1 By 2018, biodiversity values and prioritized ecosystem services are quantified, monitored and mainstreamed to support national and sectoral policy-making, planning, budgeting and decision-making frameworks	400,000	30,000	100,000	130,000	140,000	55,000	90,000	545,000
Action 1.1.1 Contextualize and apply biodiversity and ecosystems services valuation tools to quantify and monitor the environmental, economic and social value of biodiversity	290,000	30,000	60,000	100,000	100,000	50,000	90,000	430,000
Consultatory meeting for TOR	30,000	30,000						30,000
Inception workshop	60,000		60,000					60,000
Execution of the development (meetings, validation, purchasing SW	200,000			100,000	100,000	30,000		230,000
Review and testing	0					20,000	10,000	30,000
Workshop for training on the IS	0						80,000	80,000
Action 1.1.2 Integrates biodiversity and ecosystem services valuations into decision-making and to develop a business case	110,000	0	40,000	30,000	40,000	5,000	0	115,000
Inception workshop	40,000		40,000					40,000
Research	30,000			30,000				30,000
Validation workshop	40,000				40,000			40,000
Finalization and distribution	0					5,000		5,000
.	0							0
Sub-program 1.2 By 2018, selected incentives for biodiversity conservation and sustainable use are in place and applied, and the most harmful subsidies are identified and their phase out is	5,000	0	0	0	5,000	65,000	15,000	85,000
Action 1.2.1 Analyze existing and identify potential incentives to encourage biodiversity conservation and sustainable use and discourage activities that impact negatively on biodiversity	5,000	0	0	0	5,000	65,000	15,000	85,000
Elaboration of requirements(meetings)	5,000				5,000			5,000
Consultancy meeting for brainstorming	0					30,000		30,000

Example from Namibia NBSAP

Rolling wave planning (here: first year more detailed)

Activity structure	2016	Q1	Q2	Q3	Q4	2017	2018	Total 2016 2018
Program 1 Address the underlying causes of biodiversity loss by mainstreaming biodiversity across government and society	405,000	[illegible]000	100,000	130,000	14[illegible]00	120,000	105,000	630,000
Sub-program 1.1 By 2018, biodiversity values and prioritized ecosystem services are quantified, mobilized and mainstreamed to support national and sectoral policy-making, planning, budgeting and decision-making frameworks	400,000	30,000	100,000	130,000	140,000	55,000	90,000	545,000
Action 1.1.1 Contextualize and apply biodiversity and ecosystems services valuation methodology and monitor the environmental, economic and social value of biodiversity	290,00[illegible]	30,000	60,000	100,000	100,000	50,000	90,000	430,000
Consultatory meeting for TOR	30,000	30,000						30,000
Inception workshop	60,000		60,000					60,000
Execution of the development (meetings, validation, purchasing SV	200,000			100,000	100,000	[illegible]0,000		230,000
Review and testing	0					[illegible]0,000	10,000	30,000
Workshop for training on the IS	0						80,000	80,000
Action 1.1.2 Integrates biodiversity and ecosystem services valuations into decision-making and to develop a business case	110,000	0	40,000	30,000	40,000	[illegible],000	0	115,000
Inception workshop	40,000		40,000					40,000
Research	30,000			30,000				30,000
Validation workshop	40,000				40,000			40,000
Finalization and distribution	[illegible]					5,000		5,000
.								0
Sub-program 1.2 By 2018, selected incentives for biodiversity conservation and sustainable use are in place and applied, and the most harmful subsidies are identified and their phase out is	5,000	0	0	0	5,000	65,000	15,000	85,000
Action 1.2.1 Analyze existing and identify potential incentives to encourage biodiversity conservation and sustainable use and discourage activities that impact negatively on biodiversity	5,000	0	0	0	5,[illegible]00	65,000	15,000	85,000
Elaboration of requirements(meetings)	5,000				5,000			5,000
Consultancy meeting for brainstorming	0					30,000		30,000

Example (cont.): towards standard expenditure categories

Sub-division of costs by categories

	2016				
Categories of expenses	Salary	Operating Exp	Investment	Total	Validation
Sum by Expenses	135,000	70,000	200,000	405,000	
Program 1 Address the underlying causes of biodiversity loss by mainstreaming biodiversity across government and society	135,000	70,000	200,000	405,000	-
Sub-program 1.1 By 2018, biodiversity values and prioritized ecosystem services are quantified, monitored and mainstreamed to support national and sectoral policy-making, planning, budgeting and decision-making	130,000	70,000	200,000	400,000	-
Action 1.1.1 Contextualize and apply biodiversity and ecosystems services valuation tools to quantify and monitor the environmental, economic and social value	60,000	30,000	200,000	290,000	-
Consultatory meeting for TOR	20,000	10,000		30,000	-
Inception workshop	40,000	20,000		60,000	-
Execution of the development (meetings, validation, purchasing SW)	-		200,000	200,000	-
Review and testing				-	-
Workshop for training on the IS				-	-
Action 1.1.2 Integrates biodiversity and ecosystem services valuations into decision-making and to develop a business case for biodiversity	70,000	40,000	-	110,000	-
Inception workshop	30,000	10,000		40,000	-
Research	20,000	10,000		30,000	-

Standard expenditure categories

Example (cont.): standard expenditure categories

Expenses by categories from 2016-2018					
Expenses by categories					
Categories/years	**2016**	**2017**	**2018**	**Total**	**%**
Salary	135,000	63,000	75,000	273,000	43.3%
Operating Exp	70,000	27,000	30,000	127,000	20.2%
Investissement	200,000	30,000	-	230,000	36.5%
TOTAL expenses	**405,000**	**120,000**	**105,000**	**630,000**	**100.0%**

Example: towards a cost profile

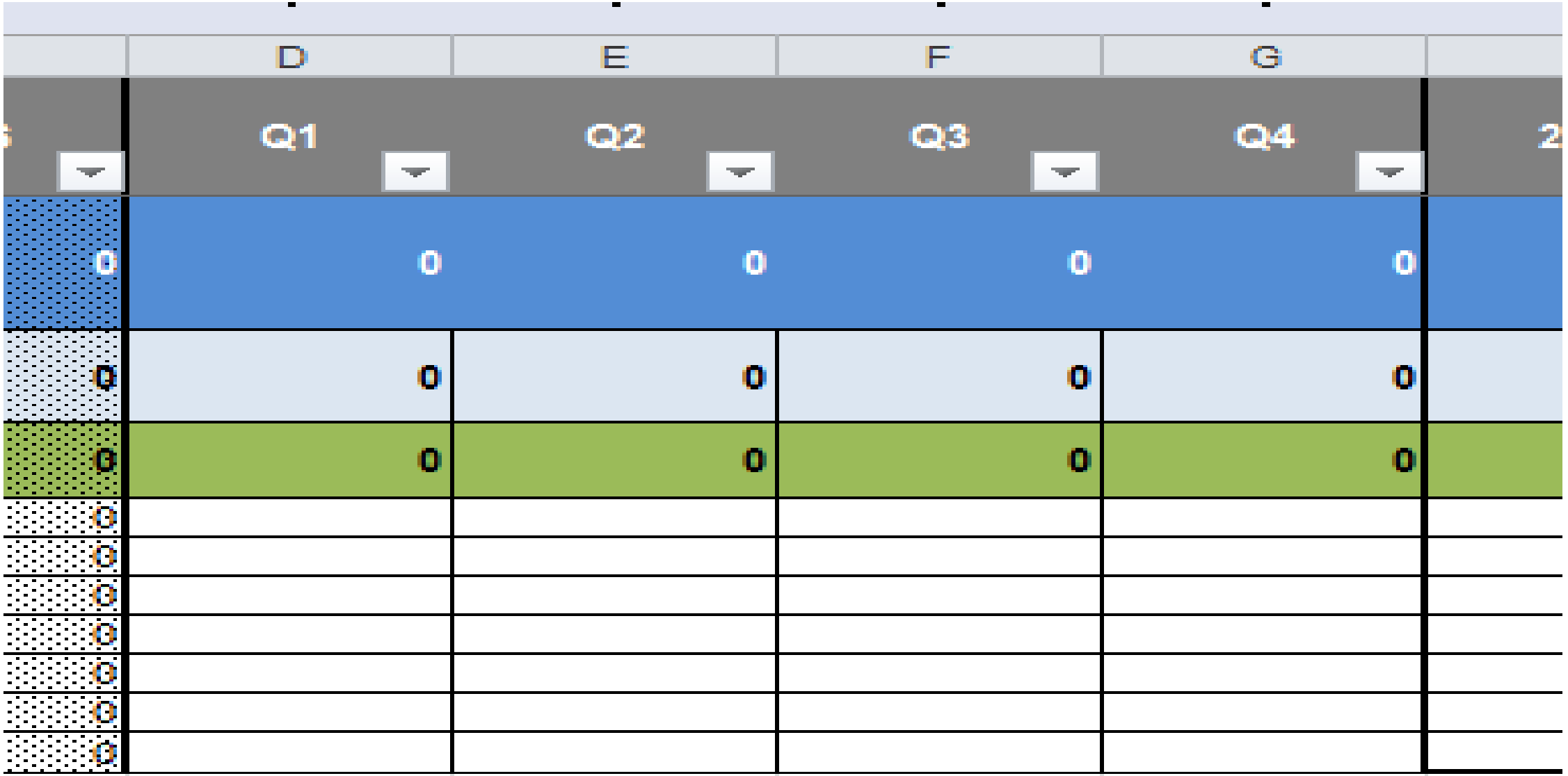
Thank you!

Group work: I. defining the WBS

Activity structure	
Program 1 Enhance implementation of NBSAP through participatory planning, knowledge management and capacity building	
Sub-program 1.1 By 2022, ecosystems that provide essential services and contribute to health, livelihoods and well-being are safeguarded, and restoration programmes have been initiated for degraded ecosystems covering at least 15 per cent of the priority areas	
Action 1.1.1 Foster the implementation of integrated water management plans, including restoration and protection of critical wetlands systems	
	Activity1
	Activity2
	Activity3
	Activity4
	Activity5
	Activity6
	Activity7

Define the WBS

Group work: II. Establish the time profile



	D	E	F	G	
	Q1	Q2	Q3	Q4	2
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0					
0					
0					
0					
0					
0					
0					

Group work: III. Establish expenditures under standard categories

Sub-division of costs by categories					
	2016				
Categories of expenses	Salary	Operating Exp	Investment	Total	Validation
Sum by Expenses	-	-	-	-	
Program 1 Enhance implementation of NBSAP through participatory planning, knowledge management and capacity building	0	0	0	0	-
Sub-program 1.1 By 2022, ecosystems that provide essential services and contribute to health, livelihoods and well-being are safeguarded, and restoration programmes have been initiated for degraded ecosystems covering at least 15 per cent	0	0	0	0	-
Action 1.1.1 Foster the implementation of integrated water management plans, including restoration and protection of critical wetlands systems	-	-	-	-	-
Activity1				-	-
Activity2				-	-
Activity3				-	-
Activity4				-	-
Activity5				-	-
Activity6				-	-
Activity7				-	-