Natural Capital Accounting & Valuation of Ecosystem Services

Project progress in South Africa

NCA&VES Project Countries Workshop Glen Cove, New York 28 June 2019















System of Environmental **Economic** Accounting

Initial ecosystem accounts as part of Advancing Natural Capital Accounting (ANCA), 2014-2015





















South Africa one of seven pilot countries

Now building on this with Natural Capital Accounting & Valuation of Ecosystem Services (NCA&VES) project — co-led by Stats SA & SANBI



Five pilot countries: Brazil, China, India, Mexico, South Africa

and Ecological Infrastructure for Water Security (EI4WS) project

NCA&VES project activities and deliverables

- 1. Project management and co-ordination
- 2. Assessment report, national strategy
- 3. Selected ecosystem accounts (physical accounts)
- 4. Test SEEA ecosystem indicators
- 5. National forum and training workshop
- 6. Economic valuation (including monetary accounts)

← Contracted separately by UN Environment

Detailed work programme

Activities and tasks	Lead	Support							20)18							20	19							20	020	
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1 Project management and co-ordination																											
Operational Project Management Unit (including appointment of project implementation support & expert advisor)	SANBI	Stats SA	1 a	х	х	х	х	х	x)	хх	x	х	х	х	x >	x	х	х	х	х	х	х	х	x	x	х	х
Project Reference Group meetings approximately six-weekly	Stats SA	EU, UNE, UNSD, SANBI		1b				х	х	Х		х		х	>	(х		х		х		х		x		х
Meetings approximately 3-weekly with UNSD and UNE	UNSD	UNE, SANBI,	х	х	Х	х	х	Х	x >	хх	Х	х	х	х	x >	Х	х	х	Х	х	х	Х	х	х	х	Х	х
Quarterly progress reports (also to be used as the basis for quarterly briefings to international stakeholders)	SANBI	Stats SA				1 c			х		х			х		х			х			х			x		
Six-monthly briefings to national stakeholders to disseminate project updates and results	SANBI	Stats SA			1d				х				х		>	(х					х	
Develop ToRs for NCA specialists to compile accounts and support their approval, advertisement, evaluation of bids and final appointment of service provider(s)	SANBI	Stats SA				х	х	х	х																		
Project team meetings / Technical Reference Group meetings	SANBI	Stats SA			х			Х				х)	(х									
Approximately 6-monthly briefings to National Stakeholders	SANBI	Stats SA			Х					Х)	(Х						
2 Develop programme of work and National Strategy for NCA																											
Materials in support of the assessment report	·	·	·,····		·,	,							·~······				,	~~~~~	·····	······	··········						
National NCA stakeholder workshop	SANBI	EU, UNE, UNSD,	ļ	ļ	Χ													ļ									
Desktop research and meetings in support of the assessment report.	SANBI	Stats SA		Х	Χ	Х	Х											ļ									
Materials in support of the assessment report	SANBI	Stats SA	<u></u>	<u></u>	2 a													<u></u>	<u></u>								
Programme of work	1	1	Ţ		1		, ,																				
Draft programme of work (timelines and outputs of the project)	SANBI	Stats SA				Х										_	-	ļ									
Final programme of work (timelines and outputs of the project)	SANBI	Stats SA	<u> </u>	L			х	2b										<u></u>	L								
Assessment report		*	,		1																						
Structure for assessment report	SANBI	Stats SA		ļ				Х									-	-									
Draft assessment report	SANBI	Stats SA	-					Х	X X	Х							-	-									
Final assessment report	SANBI	Stats SA		L	L		Ll			2	С							<u></u>	L			***************************************					
National Strategy for Advancing Environmental-Economic Accounting		1	T	T	T								т					T	T								
Outline of the national strategy	Stats SA	SANBI		-							Х			Х													*************
Stakeholder engagement on national strategy	Stats SA	SANBI		-	-				_	_		Χ	Χ		X >	-		ļ	ļ								
Draft national strategy	Stats SA	SANBI									Х					Х											

High-level national structure for Environmental-Economic Accounts

To be established, linked to national strategy

Project structures

Project Reference Group

EU, UNSD, UN Environment, DEA, Stats SA, SANBI

Project team

PMU ---

Monthly catch-up with UNSD & UN Environment

Stakeholder engagement processes

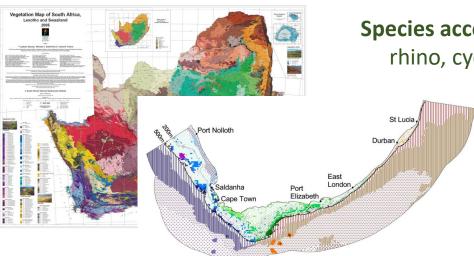
National NCA Forum

Technical meetings on specific issues

Stakeholder engagements on specific issues

Accounts to be produced in NCA&VES Project in South Africa

National ecosystem asset accounts terrestrial & marine, extent & condition

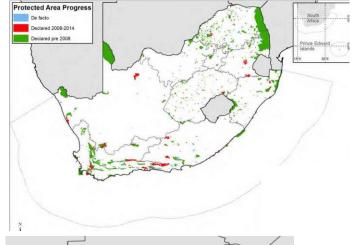


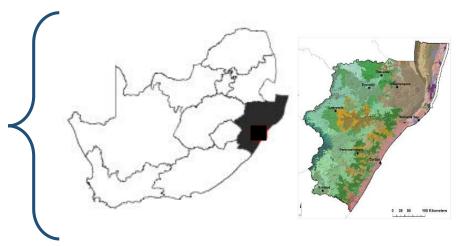
Species accounts – rhino, cycads



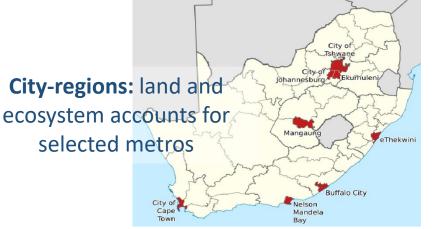


Protected area accounts terrestrial & marine



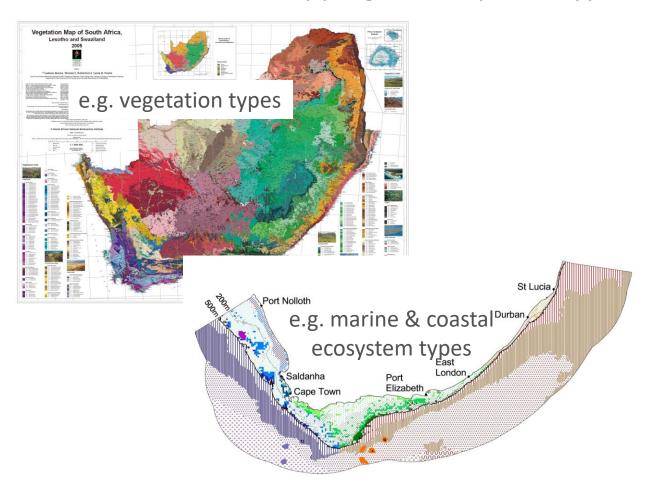


KZN: Full suite of ecosystem asset and ecosystem **service** accounts

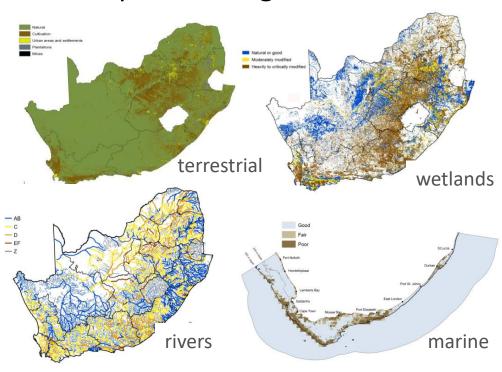


Science foundations / building blocks for ecosystem asset accounts – **SAME** as for National Biodiversity Assessment

→ Classification & mapping of ecosystem types



→ Maps of ecological condition



NCA&VES milestones to date

National Stakeholder Workshop (19 March 2018)

- >70 people & 30 organisations
- Workshop report developed



Assessment Report (to inform national strategy)

- Final Assessment Report distributed to national stakeholders
 January 2019 and available on Stats SA website
- Core elements include:
 - Policy priorities
 - Institutional setting
 - Key stakeholders
 - Information and knowledge, including data sources and availability
 - Technical capacity
 - Stock-take of current NCA work
 - Recommendations for national strategy

National training workshop (21-23 May 2019)

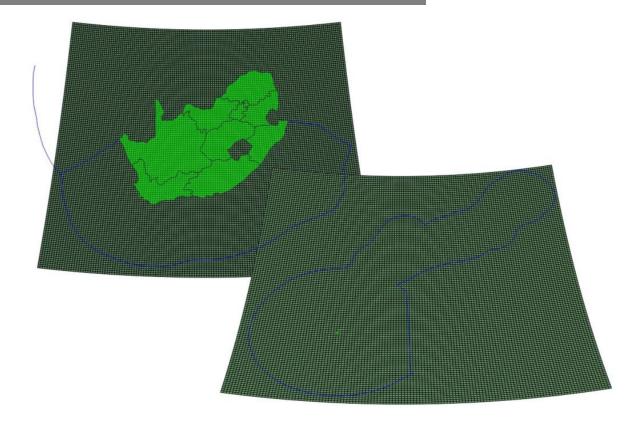
27 participants14 organisations – mainly government



Basic Spatial Unit for ecosystem accounting

and other spatial assessments

BSU 1 (728 million 1 ha cells): South Africa + EEZ + Transboundary basins



BSU 2 (624 million 1 ha cells): South Africa's Prince Edward Islands + EEZ

- Broad stakeholder consultation
- The BSU is a unit for analysis all data gets synthesized in a 100m grid (can be scaled up or down)
- Formal process for custodianship as a strategic national dataset underway
- Administrative units (e.g. provinces, municipalities) assigned to BSUs

Next steps

- National NCA Forum 10-11 July 2019
- Draft accounts (Sept Dec 2019)
- Draft national strategy (Aug Dec 2019)
- National stakeholder workshop focusing on national strategy (early 2020)
- National strategy (March 2020)
- Final accounts → to be published as discussion documents by Stats SA (2020)

National NCA Forum 10-11 July 2019

Natural Capital Accounting

NATIONAL NCA FORUM 2019



10-11 July 2019 Statistics South Africa Auditorium

HIGH LEVEL PROGRAMME

WEDNESDAY 10 JULY 2019					
10:00 - 11:00	Registration and coffee				
Session 1: Op	ening ceremony – South Africa at the forefront of a global movement				
11:00 - 12:30	Welcoming remarks by Statistician General and statements from high level representatives				
12:30 - 13:00	Keynote: Natural Capital Accounting – what it is and how it can add value				
13:00 - 14:00	Lunch				
Session 2: NC	A to support national priorities				
14:00 - 16:00	Panel discussion: How does NCA support national priorities?				
16:00 - 16:30	South Africa's new national land and ecosystem asset accounts: a quick look				
16:30	Close				
16:30 – 18:00	Networking event				
	THURSDAY 11 JULY 2019				

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	THURSDAY 11 JULY 2019
8:00 - 9:00	Registration and coffee
9:00 - 9:30	South Africa's national land and ecosystem asset accounts: your questions answered
Session 3: Bui	lding natural capital accounts: experience, lessons and challenges
9:30 - 10:00	Keynote: Implementing NCA: experience, lessons and challenges from other countries
10:00 - 11:00	Emerging opportunities for NCA and related initiatives in South Africa
11:00 - 11:30	Coffee break
Session 4: Adv	vancing NCA in South Africa
11:30 - 13:00	Advancing NCA in South Africa: facilitated discussions around key thematic areas
13:00 - 14:00	Lunch
Session 5: Sha	ping a mandate for moving forward together
14:00 - 16:00	Towards a national strategy:
	Integrating feedback from discussions on key thematic areas
	Steps for advancing NCA in South Africa and identification of champions
16:00 - 16:30	Closing remarks
16:30 - 17:00	Coffee for the road

National strategy for advancing NCA

- Will draw on inputs from stakeholders at the National NCA Forum
- Will feed directly into the National Strategy for the Development of Statistics, currently being developed by Stats SA
 - Fortunate timing!

Successes

- NCA work embedded in national government
- Effective working relationships between Stats SA, SANBI, DEA and consultants
 - →Strong basis for integrating ecosystem, social and economic data
 - → Building a network of champions for NCA
- Formalising the BSU layer in the national Spatial Data Infrastructure System
- Interest and consultation with wide range of stakeholders → basis for mainstreaming

Challenges

- Lengthy recruitment processes of staff for the project for various reasons
- Expanding long-term capacity for NCA in Stats SA and SANBI