# Report of the 2nd Policy Forum on Natural Capital Accounting for Better Decision Making (The Hague, 22-23 November 2017)

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## 1.1 Introduction

On 22 and 23 November 2017, the World Bank, the United Nations Statistical Division (UNSD) and the Dutch Ministry of Foreign Affairs co-hosted the 2<sup>nd</sup> Policy Forum on Natural Capital Accounting for Better Decision Making in The Hague. This report summarizes the main lessons learned during the Forum. It briefly explains the background of the Forum, presents the main highlights of the presentations, and summarizes the discussions and conclusions of the Forum. The presentations can be obtained from https://www.wavespartnership.org/en/forum-natural-capital-accounting-better-policy.

## Background to the 2<sup>nd</sup> Forum on Natural Capital Accounting for Better Policy:

The 2<sup>nd</sup> NCA Policy Forum built on the successful 1<sup>st</sup> Forum, held one year previously in November 2016 in The Hague and co-hosted by the Dutch Ministry of Foreign Affairs (MFA) and World Bank. That 1<sup>st</sup> Forum had concluded that:

- Natural Capital Accounting (NCA) helps the whole policy cycle dialogue, decision making and implementation and not just the monitoring that has been the dominant use to date.
- There are good cases of NCA influencing policy in countries rich and poor alike.
- More needs to be done to link NCA producers with a wide range of policy users.

A highly collaborative spirit was engendered by Forum participants. They drafted 10 "living principles of policy-fit NCA." Their papers, presentations and discussions on what NCA has done in 12 countries and globally, were edited and published.<sup>1</sup>

A 2<sup>nd</sup> Forum was held in 2018, given how the topic of integrating natural capital in policy decisions is increasingly important, with major policy and business decisions being increasingly sensitive to natural capital scarcity and risk. Prior consultations with Forum participants identified the major policy challenge to be grasped by countries was achieving the interconnected UN Sustainable Development Goals (SDGs).

## Objectives of the 2<sup>nd</sup> Forum:

- NCA users and producers sharing case studies, challenges and ideas for "policy-fit" NCA.
- Focusing on the SDGs and how NCA can support their planning, implementation and monitoring

<sup>1</sup> Forum on Natural Capital Accounting for Better Policy Decisions: Taking Stock and Moving Forward: https://www.wavespartnership.org/en/knowledge-center/forum-natural-capital-accounting-better-policy-decisions-taking-stock-and-moving

- Combining the learning and energies of business and government in NCA
- Consolidating findings, testing the "living principles" for policy-fit NCA, and scoping possible guidance material
- Discussing future collaboration, including a possible 3<sup>rd</sup> Forum

#### Participation and approach:

More co-hosts joined WAVES and MFA in 2017 – the United Nations Statistical Division (UNSD), Gesellschaft für Internationale Zusammenarbeit (GIZ, the German development agency) and the Natural Capital Coalition. Sponsors included the European Commission and DFID (the UK development agency). Sixty participants came from 20 countries and covered NCA users and producers as well as representing various sectors.

As with the 1<sup>st</sup> Forum, the agenda was demand-driven. Participants were offered a menu in advance – and there was good consensus on the options chosen (see annexed agenda). The "meat of the agenda" was country and thematic case studies, with discussion groups generating an ever-expanding "talking wall" of issues and ideas. This informed final working sessions for four themes: business roles, guidance material, communications, and research.<sup>2</sup> Session highlights follow below.<sup>3</sup>

# 1.2 Session 1: Welcome and opening

The Netherlands welcomed participants, noting the recent policy interest in NCA to inform the complex challenge of planning, achieving and monitoring the SDGs. The World Bank agreed there is "a world of opportunity" for NCA in the SDGs, as well as climate action and green growth; and that this was urgent, too: per capita wealth reduction in 24 poor countries was primarily due to natural capital (NC) depletion. New co-host UNSD noted its ambitious target of 100 countries using the System of Environmental-Economic Accounting (SEEA) by 2020; and that the growing experience of ecosystem accounting will, in the next few years, enable it to lose its "experimental" handle and become mainstream.

A country news panel revealed new uses of NCA:

- In fiscal policy and generating macro-economic indicators for sustainability (Botswana)
- Beginning to assess depreciation of natural capital and costs of inaction for "green GDP" (Brazil)
- Target-setting for green growth, as well as reinvigorating land use master planning (Rwanda)
- Institutionalizing NCA, with ministers asking for a national environmental-economic accounting (EEA) strategy to embed NCA in a consistent way across jurisdictions and many areas of decision making (Australia)

<sup>2</sup> A non-attribution policy was agreed; with participants happy to use social media (#naturalcapital, #SEEA, #GlobalGoals)

<sup>3 2&</sup>lt;sup>nd</sup> Policy Forum on Natural Capital Accounting for Better Decision Making:

https://www.wavespartnership.org/en/2nd-forum-natural-capital-accounting-better-policy 4 The World Bank also noted a new global program in which NCA is integral, linking 1. information (benchmarking country sustainability across capitals); 2. implementation of NCA through technical assistance to countries and global knowledge sharing (WAVES+); and 3. incentives (filling information gaps in green financial markets and de-risking green investments).

Indeed, institutionalizing NCA – especially interpreting accounts beyond statistics and environment authorities and engaging ministries of finance and planning - was agreed as a common challenge in all countries.

The session concluded with participants forming a "human spectrum" – positioning themselves to reveal that, in about half the countries, the SDGs are a top policy priority, and NCA was about mid-way in becoming institutionalized in most countries.

#### 1.3 Session 2: NCA and the SDGs – Overview

Two presentations, from UNCEEA and the Netherlands, and a panel discussion addressed the topical challenge of using NCA to improve decisions aimed at the SDGs. With the caveat that "both NCA and SDGs are pretty young" (but at least are designed for new contexts), the session explored how NCA helps, as an integrated information system that does not divide the "indivisible" SDGs, putting very different types of information together on the same page, showing their interactions and the cost-benefit implications, and feeding analysis and modelling.

The SDGs need to involve many agencies, yet they suffer from institutional fragmentation and the "indivisible" goals are often divided. NCA calls for a high degree of interaction between sector agencies, and offers consistent and objective standards that can ensure no SDG, and no interaction between SDGs, is neglected.

NCA has been used to help monitor achievement of sustainable development (if not yet the SDGs), correlating economic and environmental changes. It is beginning to be used to help shape comprehensive decisions – the big challenge and the big "prize" being informing the entire national development plan, as in Indonesia. There is an immediate need for some "missionary work" to communicate what NCA can and should do for the SDGs. NCA case studies, such as the links between cattle production and CO<sub>2</sub> in the Netherlands, or forest management and water security in Guatemala, could be more widely shared.

Though NCA is by nature backward-looking, and decisions are forward-looking, using NCA data in policy tools like modelling was thought to be a good way to support decision making (further developed in Session 7).

## 1.4 Session 3: The role of business

The opening presentation explained the increased business demand for trusted, credible and actionable information on NC, that would "make nature easier to understand in the boardroom." Business thinking has begun to shift:

- From business concern about impacts on the environment, to concern about dependence on natural capital (and securing and conserving natural capital stocks)
- From measurement of NC to valuation (using values that make sense for decisions)
- From individual types of NCs to a systems approach (ecosystems and assessment of cumulative impacts, thresholds, etc.)

The Natural Capital Protocol has enabled business to progress (there are sector guides, and soon supplements on biodiversity and mining). NCA tends to be used for internal business decisions rather than for generic public disclosure (usually because NCA is new), so rarely appears in business reports.

Participants discussed three case studies of businesses applying localized natural capital assessments, and using the results to inform decisions, especially on natural resource (NR) management regimes – namely, work by:

- Agricultural company Olam in Indonesia to inform alternative coffee plantation management
- Tea co-operative The Wood Foundation in Rwanda to manage flood risk
- Eftec in UK to identify how urban green space correlates with health, to influence health and green space budgets

These were strong business cases for the private sector to better manage its impacts and dependencies on natural capital, to avoid risks, and to grow its opportunities. These risks and opportunities can be operational (resource scarcity, supply chain efficiency, etc.), fiscal (emissions taxes, competing for permits, etc.), reputational (consumer preference, media coverage, etc.), legal and regulatory (ensuring compliance, staying ahead of regulatory trends, etc.) or societal (securing license to operate, positive contribution to society, etc.).

Discussion groups concluded that government needs to interest and incentivize business to produce and share NCA, asserting that sustainable investment will be facilitated if companies and/or government have a consistent NC policy and accounting framework. Governments could work with accountancy boards and financial investors to leverage businesses to do NC assessments and share data. An NC risk register could help since risk is a common concern of government and business. Building NCA up spatially could create additional information of benefit to business and government, e.g. the distributional information which national NCA often lacks.

The challenge is to integrate government and business policy work, not merely to share data. Here, the SDGs offer a framing possibility, and perhaps a means for building trust. Participants identified the following "starting points" for productive government-business dialogue:

- Decision making: Corporate NC assessments are often done to answer a specific question, or to inform a specific decision. In contrast, national NCA is often done to identify general environmental states and trends, which may be applied to decision making. Bringing both together around a specific issue, or a decision that needs to be made, could realize synergies.
- **Sector focus:** Many countries are developing detailed accounts for water, energy, forest and others. There may be an opportunity to engage regulated industries such as water and energy supply, which are exposed to natural capital risks and opportunities.
- Spatial/distributional focus: Our response to the SDGs could be made more efficient and
  effective if we can understand in greater detail where the need is greatest, and who is
  affected; this requires more spatially explicit data and modelling. Businesses most often
  collect data and information at the site, project or catchment scale. There is an
  opportunity to leverage this in national NCA.
- Data: Often there is a lot of data that could support decisions. But the existence and
  accessibility of data are different things. There could be a productive conversation around
  the accessibility and format of NCA data available to businesses, and how business can
  contribute data in confidential contexts.

## 1.5 Session 4: Poverty and green growth

This session began with a challenge. Green growth aims to deliver the full economic potential of natural capital on a sustainable basis – NC being both a direct source of economic growth and supporting other capitals' productivity. Poverty eradication involves increasing wealth and

reducing deprivation, in circumstances where poor people are highly dependent on NC and vulnerable to its loss. How can NCA make these policy aspirations more achievable and more transparent?

An introductory presentation from the United Nations explained how the challenge of achieving inclusive green growth has united many of its agencies in a joint Program of Action for Green Economy (UN-PAGE). The World Bank offered early insights from its imminent study on "the hidden dimensions of poverty." This reveals how considerable national progress on poverty reduction has comes with a significant cost to NC, and highlights the risk of a poverty trap when NC-dependent people become deprived of NC. With 65 countries already having green growth strategies, it is time to think how NCA can help, especially where green growth strategies seem to be fixated on carbon. In part it is to show the environmental underpinnings of poverty: Zambia explained how its seventh national development plan aims to "leave no-one behind," and all five pillars of the plan have a poverty reduction component – but SDG1 gets more attention than the NC-related SDGs 13 and 15 that underpin SDG1.

Separate working groups then discussed the roles of NCA in poverty reduction and green growth:

**Poverty** – one key issue is *distribution* of NC, of poverty, and of the impacts of poverty eradication programs. The other is *communication*: there is a persistent perception that "green" is anti-poverty, or irrelevant to poverty. NCA can help by:

- Informing on how NC contributes to wellbeing and local economies over the long term
- Improving the spatial impacts of poverty programs linking to scenarios/modelling
- Informing community and adaptive NR management, landscape and livelihood programs
- Interrogation of donor policy and activities on poverty reduction
- Improving information quality, access and transparency for poor groups

Poverty reduction is rarely solved just by technocratic "planning" – it's a *highly political* process involving business and civil society, too. Thus, NCA should not engage government alone.

**Green growth** – the key questions include: the costs of transition/adjustment from brown to green, both stranded assets like coal and livelihood changes; the effectiveness of taxation, subsidies and other economic policies in optimizing NC; and the NC implications of different sectors and economic scenarios/trajectories. NCA appears to have potential to answer such questions, combining information to show where NC is critical for (a) directly driving economic growth; and (b) indirectly supporting other sources of growth.

Participants recommended linking the green growth community with the NC(A) community. Green growth is a good way to take NC concerns "upstream"; and NCA a good way to handle the economy-nature links of green economies.

## 1.6 Session 5: Life on land

This session comprised five valuable new case studies, followed by Q&A:

England's forest authority has built an asset register of forests, showing changes in stock
and quality. A balance sheet estimates diverse contributions of the forests to private and
public value covering timber, carbon, recreation, etc.: £22.4 billion of net present NC value
is delivered, compared to only £1.6B in cash value. These numbers have "rebalanced"

- board-level discussion on forest priorities, comparing well to maintenance costs and current government budget.
- Australia's timber, water, biodiversity accounts feed into analyses and projections that
  inform forest management trade-offs (e.g. new timber concessions and expanding national
  parks). Communication strategy has been important, including a background document to
  feed government process, a scientific publication for credibility, and a popular article to
  secure political attention.
- South Africa's accounts are based on ecosystem types and land cover. They are used for spatial planning (municipality level); water security (decisions on strategic water source areas under land use pressure, e.g. from coal mining and forestry); investments in ecosystem restoration (estimating returns); and protected area expansion (how well areas are protected).
- Uganda's ecosystem accounts have informed debates about the status of protected areas, budget allocations for protected areas, monitoring ecosystem degradation, relations with economic growth, and progress towards Aichi (and potentially SDG) targets. Stock accounts have been made for economically important species like shea butter nut trees and chimpanzees.
- Brazil's current work on water and ecosystem accounts is used to define critical areas,
  planning, management, regulation and inspection of water resources. Good infographics
  have helped people to understand how the water cycle works, who uses the most water,
  and water availability.
- Participant discussion noted: the need to better inform trade-offs and synergies between services and conservation objectives; and when to use exchange values and when welfare values.

# 1.7 Session 6: NCA for government processes

This session explored four case studies of NCA use in government decision making processes:5

- **Botswana** NCA has been used for both water governance and development planning. Accounts have been used to derive policy indicators that track goals for water access and managing water supply and demand. Many of the accounts directly relate to SDGs 2, 6, 12, 13, and 15.
- Indonesia The NCA process is linked to the national development plan and intends to
  add value by greening the economy and reducing carbon. A system-dynamics model
  requires stock and flow information from the accounts and is used to analyze policy
  options. The information is being transferred to inform a spatial model as well.
- **Rwanda** Since 2015, NCA has been informing the National Strategy for Transformation, with land and water accounts influencing the land use master plan and water allocation, as well as public expenditure and green investments.
- Australia With environmental-economic accounting in place for more than 25 years, the
  country is now working on a common national strategy to get reliable environmentaleconomic accounts for national and state governments, communities and business, and is
  doing a user needs assessment. NCA has been used for state of environment reporting and
  could be used for strategic regulatory assessments and intergenerational reporting.

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<sup>5</sup> In addition to the four presentations, four additional papers contributed to the sessions' theme: https://www.wavespartnership.org/en/2nd-forum-natural-capital-accounting-better-policy

Discussion in groups revealed that:

- Assessing policy options for achieving the SDGs takes place in central agencies for budgeting and finance, but most are unaware of NCA (an exception being New Zealand where NCA was used to assess the impact of implementing a carbon tax to curb greenhouse gas emissions).
- The SDGs and SDG targets that NCA can monitor are clear but need wider explanation.
   International work (e.g. by UNSD and the Netherlands) on linking SDG indicators to SEEA can help.
- NCA brings an important long-term perspective on policy through its focus on assets underpinning production and consumption.
- Data sharing, data gaps, and resources for monitoring the SDGs and producing accounts are challenges for all countries.
- NCA is not the only tool, and we still need regulatory frameworks for the environment.

There is now much interest in how NCA could be used for budgeting, investment and finance, but as yet few specific cases of it. A number of suggestions were made:

- Committees to monitor or achieve the SDGs (and committees for NCA) should have representatives from the central agencies responsible for budgeting and finance.
- These agencies need to better understand NCA, its roles, and examples where NCA informed past decisions – the Netherlands can do this for energy and the circular economy.
- Investments in environmental protection need to be better correlated with measurement of outcomes. Classifications of expenditure need to separate out management and protection costs from investment for restoration.
- NCA has an umbrella function and could build on and regularize other projects and tools, such as public environmental expenditure reviews that link environment and the economy.

# 1.8 Session 7: NCA for assessing trade-offs

This session looked at how economic modelling using NCA can assist decision making. In particular, it examined how such modelling helps to consider synergies and trade-offs and the multiple effects of past, present and future government policies. Such considerations are essential for determining the policy mix needed for achieving the SDGs. The session showed how NCA can provide consistent data for standard modelling approaches credible to statisticians, accountants, economists, natural scientists and decision makers.

General types of analysis ranging from simple trend analysis, to integrated assessments and cost-benefit analysis were briefly highlighted before moving to presentations and discussion of model types. Input-output and partial and full computable general equilibrium (CGE) models were mentioned.

The main focus was on the environmentally extended CGE developed by the Inter-American Development Bank, known as *Integrated Environmental Economic Modelling (IEEM)*. A normal CGE model has firms and households linked through production and consumption within an economy, with external links through imports and exports. IEEM integrates environmental data using the SEEA data structures into the model – water, energy, forests and ecosystem services. This includes not just the provisioning ecosystem services but also regulating services.

The application of the IEEM model to Guatemala was presented in some detail and it showed the synergies and trade-off within and between different SDGs. For SDG 2 (zero hunger) the

model showed that expanding irrigated agriculture would increase agricultural production and rural income but would fall short of targets. The modelling also showed how achieving SDG 2 would have synergies with SDG 1 (eliminating poverty), lifting 2.4 million people out of poverty, and SDG 8 (promoting sustainable economic development), with GDP estimated to increase by USD 1.37 billion. However, the model showed there would also be trade-offs with SDG-15 (sustainable use of forests) and SDG-13 (action on climate change).

The process of development and, in particular, the process of engaging with countries and regional partners (e.g. UN Economic Commission for Latin America and the Caribbean) and the development of local capacity was also featured. This showed that countries with accounts, such as the WAVES partners Rwanda, Colombia and Costa Rica, can adapt and apply the model to their policy needs and data availability.

The Central Bank of Costa Rica's application of the *IEEM model* was presented in some detail. This was partly driven by Costa Rica's efforts to accede to the OECD and to achieve its carbon neutrality goal by 2021. The exercise included "shock scenarios" to see where best to apply a carbon tax (from 15 economic activities), e.g. on highest polluting products or highest polluting industries, or to change energy efficiency/substitution in the transport system. The latter was found to be the best choice, being less socially damaging than tax increases on imported fuels.

Countries and organizations appreciated the insights that the modelling could offer, particularly for estimating the effects of different policy options. While the SDGs were particularly highlighted, it was noted that the tool could be applied to other issues, e.g. climate change, water and financing.

## 1.9 Session 8: Ways forward

The previous sessions had generated a "talking wall" of points in four areas where NCA could progress: 1) business-government links; 2) communications strategy; 3) guidance; and 4) research. Four "ways forward" working groups began with a synthesis of messages from the "talking wall." Participation was voluntary and very intensive, concluding with these observations and ideas:

## Business - linking private and public natural capital accounting

- A convening platform: Participants voiced the need to create platforms of expertise, to
  match-make the necessary skills, data and experience needed to implement better NC
  management across government and business. These platforms could be hosted by incountry representatives, with support from external bodies like the WAVES partnership
  and Natural Capital Coalition. Joint participation in events like the Policy Forum and the
  World Forum on Natural Capital can start to get both communities in the same room.
- Need for more case studies: Both policy and business practitioners could benefit from successful, illustrative examples of how national-level and business-level work can complement each other, and how this can result in real implemented solutions in different contexts.
- Need for small and medium enterprise (SME) engagement: A persistent challenge is how
  to make NC-related considerations relevant and accessible to SMEs. In many developing
  countries, SMEs represent the majority the critical mass. It is possible that the valuechain approach presents the most practical option to "trickle down" best-practice
  management insights from larger businesses to the smallholders in the chain.

Need to make progress through engaging large multinational corporations (MNC): NCA
can be a much-needed source of information for government to have influence in
discussions with powerful MNCs, especially when looking at monetary aspects. Examples
discussed were: assessment of the how much resource rent is being taxed (or not) by
governments; and assessment of both on- and off-budget subsidies for corporations (such
as lower electricity or water pricing schemes for industrial users that might be
environmentally damaging).

#### **Communication and engagement on NCA**

Many challenges relevant to communication and engagement were mentioned throughout the two days. In Indonesia and Brazil, accounts must respond to policy demands and be user-led, e.g. to inform Nationally Determined Contributions to climate change action (NDCs). In South Africa, there was much thinking about how to package the information coming out of the accounts to make it relevant to other policy developments. In Botswana, a special quarterly economic bulletin was shared with Cabinet and Members of Parliament to raise awareness of sustainability issues. And in Australia, the forest accounts were communicated differently to specific audiences.

Participants also noted that communication is often *ad hoc* or left to the end of an NCA process. Instead, there should be a communications strategy with specialist expertise engaged in every NCA process, to take people on a journey from understanding what NCA is and means, to realizing the value that NCA can bring to what they are doing. Participants suggested:

- Communications must be demand-led to resonate with diverse audiences and be effective.
- NCA communicators need to know how NCA is relevant to public and private actors and to all those with strategies for realizing the SDGs.
- Messaging is critical. We need to know the language the terminology that we should be
  using with our audiences. The right sort of language can engage and incentivize. The wrong
  sort can alienate and intimidate.
- Timing matters. We need to know the best time to engage the best opportunities and entry points as well as when the timing is not right.
- We should therefore scope audience politics, timing and language, and tailor our
  messaging accordingly. We must engage with detractors as much as with champions,
  responding to their concerns with a consistent, evidence-based story. We may need to
  develop "killer facts" and infographics and other material to be compelling, e.g.:
  - A fact sheet to explain what NCA is<sup>6</sup>
  - A fact sheet to link NCA to the SDGs, as well as other policy briefs on NCA<sup>7</sup>
  - A "mash up" PowerPoint presentation from all the presentations from the 2016 and 2017 NCA Policy Fora, covering theory, country experience, and plenty of practical examples
  - Case studies of where NCA has been used to inform policy decisions. There are many case studies showcased in the WAVES website, but we need to collect and compile more.
  - Ongoing learning and sharing: perhaps a roster of communications experts we can contact to provide *ad hoc* support; occasional webinars to exchange communications experience and knowledge; and at the prospective 3<sup>rd</sup> NCA Policy

<sup>6</sup> A helpful starter page is: https://www.wavespartnership.org/en/natural-capital-accounting 7 https://www.wavespartnership.org/en/knowledge-center/natural-capital-accounting-and-sustainable-development-goals

Forum, a session for participants who want to go more in depth on practical communications.

## Developing guidance on NCA for better decision making

The 2016 NCA Policy Forum produced much evidence on *what NCA can do* for better decisions right throughout the policy cycle. Participants at the 2017 Forum added to this evidence and agreed there is now an appetite for guidance on *how NCA can do this*, notably for making decisions on the SDGs. While guidance is strongly needed – for countries, businesses and international organizations – it was recognized that "official" guidance invariably takes much more time to develop and be agreed. So, three complementary responses were suggested:

- 1. Materials on website: The presentations, written contributions and discussions from the 2<sup>nd</sup> Policy Forum reflect a broad expertise and knowledge base on how NCA could contribute to achieving the SDG. They will be available immediately on the Forum webpage.<sup>8</sup>
- 2. 2nd Forum papers collated: The written contributions to the Forum will be collected together into a single document, put into a common format, with a short introduction added, and again made available on the Forum webpage.
- 3. Brief shared learning document offering informal "guidance": The achievements and lessons explored in the 1<sup>st</sup> and 2<sup>nd</sup> Fora will be distilled into a short document (20-30 pages) to be available online by June 2018. This document would build on the policy cycle and the 10 living principles of the 1<sup>st</sup> Forum, and SEI's "wedding-cake diagram" connecting the SDGs to NCA. The document will recognize the different roles in the SDGs of business, government, international organizations and academia. It will, in effect, offer informal "guidance" on what works in key areas: governance and institutional structures; finance; biodiversity; communications and stakeholder engagement; resources (time and money) needed; and technical issues (data, scale, etc.). It will draw on the examples made known to the Forum with one-page country or issue-based story boards.

The Forum Organizing Committee will convene a small group to develop this document, and Forum members will be invited to provide inputs.

#### Research, knowledge gaps and learning

While we have enough material from the 1<sup>st</sup> and 2<sup>nd</sup> Fora to develop informal guidance, three further things could nicely complement this:

- Further case studies of NCA linked to actual decisions, showing which policies and SDGs have been affected
- Facilitating learning and exchange between current practitioners, nurturing and expanding the community of NCA practitioners (both compilers and users)
- Research into knowledge gaps, notably ways to institutionalize NCA in the machinery of government and business, as well as in education curricula

In the future, the NCA Policy Forum might also have a regional focus, perhaps by organizing regional exchanges of technical people and policy makers, alongside the research and educational communities. South-South mechanisms and tailor-made regional support mechanisms can help to ensure policy makers better understand what NCA can do, while

<sup>8</sup> https://www.wavespartnership.org/en/forum-natural-capital-accounting-better-policy

compilers better understand what decisions NCA is needed for. "Better achieving the SDGs" could be a way to bring them all together.

## 1.10 Session 9: Summary and next steps

The facilitator reflected on the two days, concluding that:

- NCA continues to pioneer new ways to tackle complex environmental and economic policy challenges, with innovations in many counties, rich and poor, and both top-down and bottom-up policy regimes.
- NCA is a strong enabler for the integrated policy making demanded by the SDGs and inclusive green growth. Without it, the SDGs' complexities can induce "policy paralysis."
- The 1<sup>st</sup> Forum's "living principles" of policy-fit NCA were largely validated by the experience of the 2<sup>nd</sup> Forum.<sup>9</sup>
- The choice of language and framing is critical for getting NCA understood and used, and quick gains could be had through more communications efforts.
- The spatial potentials of NCA hold promise for many sectoral and livelihood decisions, and for engaging many governmental levels (city, regions) and businesses.
- Some "upstream" work often needs to be done on NC policy, strategy, multi-stakeholder committees, etc., and communications rather than fixating on NCA.
- The Forum has a strong sense of purpose, and it values collaboration. The shared learning
  at the Forum offered confidence and inspiration to newer players in NCA. And the
  excellent co-working during the conference, and participant diversity, particularly involving
  business this year, are real assets. The Forum therefore has much potential to help
  countries achieve the SDGs in future.

#### **Next steps**

Participants expressed interest in continuing their good collaboration by taking part in working groups. In this way, a possible 3<sup>rd</sup> Forum would be informed by the community working together. Possible themes for a 3<sup>rd</sup> Forum were aired, including:

- Moving from plans to budgets: informing expenditure decisions, involving finance/tax actors
- Moving from national-level NCA to:
  - Distributional issues: poverty, vulnerability, equity and indigenous peoples' issues
  - Urban and local NCA: for urbanization, decentralization and infrastructure decisions
- Complements to NCA and its actors: expanding the toolkit with complementary instruments, and the NCA community with other disciplines

The 3<sup>rd</sup> Forum's learning objectives, community of practice objectives, and policy influence objectives will be defined well in advance, again through a demand-driven approach. A refreshed organizing committee will again be put together for this. Participants greatly appreciated the Netherlands' tentative offer to host a 3<sup>rd</sup> Forum. Several other countries also expressed their willingness to host the Forum, which was also appreciated, and considered to be a good sign of strong demand for a continuing Forum.

<sup>9</sup> There could be a validation/enrichment process seeking participants' input to the principles, as the 10 principles may structure the informal "guidance." One principle to add might be a communications strategy, including getting the "language" right.

Annex 1.1 Agenda for the 2nd Policy Forum

Wed 22 Nov		
9.00 am to	Session 1. Welcome and opening	
10.30 am		
9.00 am	Welcome from MFA On behalf of the Forum collaborators MFA, WAVES and UNSD/DESA	<ul> <li>Carola van Rijnsoever         Director, Inclusive Green Growth         Department, Netherlands Ministry of Foreign Affairs     </li> </ul>
9.20 am	Recap from last year and aims of this year's Forum Objectives, outcomes, house rules	<ul> <li>Steve Bass, Senior Associate, IIED, UK</li> <li>Salvador Sanchez-Colon, Project Director "NCA and Valuation of Ecosystem Services" - Mexico, UNSD</li> </ul>
9.30 am	<ul><li>WAVES</li><li>Current focus and the way forward</li></ul>	Raffaello Cervigni, Lead Economist, World Bank
9.40 am	<ul><li>UNCEEA</li><li>Work program</li><li>SEEA and the SDGs</li></ul>	<ul> <li>Gerard Eding, Director National Accounts, Statistics Netherlands - on behalf of UN Committee of Experts in Environmental-Economic Accounting</li> </ul>
9.50 am	News panel Countries reflect on: 1. Looking back: where NCA has successfully improved policy, investment or other decisions 2. Looking forward: what are the major opportunities to improve decisions?	<ul> <li>Peter Katanisa, Advisor, Ministry of Natural Resources, Rwanda</li> <li>Beth Brunoro, Dept. Environment and Energy, Australia</li> <li>Kelapile Ndobano, Deputy Secretary, Macroeconomic Policy, Min. Finance and Development Planning, Botswana</li> <li>Rosanna Ovalle Vengoechea, Director, Sustainable Environmental Development, Department of National Planning, Colombia</li> </ul>
10.20 am	Welcome 'Icebreaker' – getting to know our evolving community and its aspirations	Steve Bass, Senior Associate, IIED, UK
10.30	Morning tea	
11.00 to	Session 2. NCA and the SDGs - Over	erview
12.30 pm		
11.00 am	<ul><li>2.1 Decision making with NCA for synergies and trade-offs</li><li>Presentation</li></ul>	<ul> <li>Arjan Ruijs, Senior Researcher, PBL, Netherlands</li> </ul>
11.15 am	<ul><li>2.2 Monitoring SDGs targets with</li><li>NCA</li><li>Presentation</li></ul>	Bram Edens, Senior Statistician, UNSD
11.30 am	2.3 Panel discussion	<ul> <li>Henry Vargas Campos, Central Bank Costa Rica</li> <li>Pak Medrilzam (Indonesia),</li> <li>Marisol Rivera (DG Planning, SEMARNAT, Mexico)</li> <li>Salman Hussain (TEEB Coordinator, UNEP)</li> </ul>
12 noon	2.4 Table discussions and report back	
12.30	Lunch	

1.30 pm to 3.00	Session 3. NCA and the SDGs Goals – the role of business		
1.30 pm	Introduction and welcome.  Introduction to Natural Capital Protocol .	<ul> <li>Hannah Pitts, Relationships Director, Natural Capital Coalition, UK</li> </ul>	
1.45 pm	<ul> <li>Case studies from business</li> <li>Rwanda - tea</li> <li>Indonesia - coffee</li> <li>UK - urban accounting</li> </ul>	<ul> <li>Petri Lehtonen, Indufor, Finland</li> <li>Chris Brown, Vice-president, Olamnet</li> <li>Ian Dickie, eftec, UK</li> </ul>	
2.15 pm	Reflections on the case studies re the SDGs	Carl Obst, Director, IDEEA, Australia	
2-25 pm	<ul> <li>Roundtable discussion on linkages between business and policy.</li> </ul>		
2.55 pm	Summary and close		
3.00 pm – 3.30 pm	Afternoon tea		
3.30 pm to 5.00	Session 4. NCA for SDGs – exploring poverty reduction and green growth		
3.30 pm	Outline of session	Steve Bass, Senior Associate, IIED, UK	
3.40 pm	<ol> <li>Green growth, UNEP</li> <li>Poverty reduction, World Bank</li> <li>Real world policy decisions, Zambia</li> </ol>	<ul> <li>Salman Hussain, Coordinator UN TEEB</li> <li>Raffaello Cervigni, Chief economist Africa, World Bank</li> <li>Richard Lungu, Principal Planner, Min. Development Planning, Zambia</li> </ul>	
3.55 pm	Breakouts on poverty and green growth		
5.15-7.00	Cocktail function		

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8.30 am	Arrival	Tea and coffee	
9.00 am to	Session 5. NCA for SDG15 Life on land		
10.30 am			
9.00 am	Introduction to the session	<ul><li>Rocky Harris, Defra, UK</li><li>Bram Edens, UNSD</li></ul>	
9.10 am	<ul> <li>Country experiences (10 mins each)</li> <li>UK - Forest Policy</li> <li>Australia - Revealing trade-offs timber, water and biodiversity</li> <li>South Africa – tbc</li> <li>Uganda – NCA for Aichi and NBSAPs</li> </ul>	<ul> <li>Miranda Winran, Forest Enterprise England</li> <li>Michael Vardon, ANU, Australia</li> <li>Amanda Driver, SANBI, South Africa</li> <li>Steve King, UNEP-WCMC, UK</li> </ul>	
10.00 am	Table discussion		
10.30	Morning tea		

11:00 am-	Session 6. NCA for government pro	ocesses	
12.30 pm			
11.00 am	6.1 Botswana – Importance of water and NCA for sustainable development	Edwin Itshekeng, Botswana	
11.15 am	6.2 Indonesia – National Development Planning and NCA	Dr Medrilzam, Indonesia	
11.30 am	6.3 Rwanda – NCA as input to the mid-term National Strategy, 2018 to 2023	Claudine Uwera, WAVES Rwanda	
11.45 am	6.4 Australia – Developing strategy and action plan for environmental economic accounting	<ul> <li>Sarah-Jane Hindmarsh, Director, Environmental-economic accounting, DoEE, Australia</li> </ul>	
12 noon	Table discussions and report back		
12.30 pm	Lunch	- tt-	
	Session 7. NCA for assessing trade	-offs	
1:30 pm	Accounting and modelling complex trade-offs	Onil Banerjee, Natural Resource     Economist, IAB	
1:50 pm	Country experience, Costa Rica.	<ul> <li>Irene Alvarado-Quesada, Central Bank, Costa Rica</li> </ul>	
2.00 pm	Questions and discussion		
2:30 pm- 4:30 pm	Session 8. The way forward		
2:30	NCA and WAVES - the way forward Building NCA into World Bank processes	Raffaello Cervigni, World Bank	
2.50	UNSD – reflections on way forward	Bram Edens, UNSD	
3:00 pm	Afternoon tea		
	Session 8, cont. Toward Forum recommendations		
3:30 pm	<ol> <li>Research on NCA for SDGs use</li> </ol>	Bram Edens and Sofia Ahlroth	
3:35 pm	Linking business and country accounting	Hannah Pitts	
3:40 pm	Development of guidance material	Michael Vardon	
3:45 pm	Communications on NCA     for SDGs	Rosalind Goodrich	
3.50 pm	Table discussions on 1 – 4		
4.30 pm to 5.00	Session 9. Summary and close		
4.30 pm	Summary of key messages	Steve Bass, IIED	
4.45 pm	Closing remarks	<ul><li>Sofia Ahlroth</li><li>Bram Edens</li><li>Omer van Renterghem</li></ul>	
5.00 pm	Close of Forum		

Annex 1.2 Forum participant list

Name	Designation	Institution	Country
- Tourne		more action	Country
Jakub Wejchert	Policy Officer	European Commission (EC)	EC
Edwin Itshekeng	Chief Economist/Permanent Secretary	Ministry of Finance and Development Planning	Botswana
Dr. Ir. Medrilzam	Director for Environmental Affairs	BAPPENAS (Ministry of National Development Planning)	Indonesia
Kelapile Ndobano	Deputy Secretary of Macroeconomic Policy, SC Chair	Ministry of Finance and Development Planning	Botswana
Carl Obst	Director	IDEEA	Australia
Onil Banerjee	Natural Resource Economist	Inter-American Development Bank (IDB)	USA
Steve Bass	Senior Associate	International Institute for Environment and Development (IIED)	IIED
Michael Vardon	Visiting Fellow	Australia National Univ/WB	WB
Sjoerd Schenau	Project Manager Environmental Accounts	Statistics Netherlands	Netherlands
Pierre Bertrand	Senior Program Associate	Global Development Network	India
Michael Nagy	Statistician	UN Economic Commission for Europe (UNECE)	UNECE
Arjan Ruijs	Researcher environmental and Resource Economist	Netherlands PBL	Netherlands
Sarah-Jane Hindmarsh	Director, Environmental- Economic Accounts	Department of the Environment and Energy	Australia
Beth Brunoro	First Assistant Secretary, Knowledge & Technology Division	Department of the Environment and Energy	Australia
Rosanna Ovalle Vengoechea	Director, Sustainable Environmental Development	Department of National Planning	Colombia
Steven King	Environmental Economist	IUCN-WCMC	IUCN
Petri Lehtonen	Senior Partner	Indufor Oy	
Ruud Jansen	Executive Secretary	Gaborone Declaration for Sustainability in Africa	Botswana
Goodson Sinyenga	Assistant Director	Central Statistical Office	Zambia
Richard Lungu	Assistant Director	Ministry of Development Planning	Zambia
Cor Graveland	Researcher Environmental Accounts	Statistics Netherlands	Netherlands
Bianca Nijhof	Global Sustainability Program Manager	Arcadis	
Johannes Kruse	Advisor	GIZ	Germany
Omer Van Renterghem	Theme expert on land, water and ecosystems	Ministry of Foreign Affairs	Netherlands

Irene Alvarado- Quesada	Coordinator of Environmental Statistics	Central Bank of Costa Rica	Costa Rica
Henry Vargas Campos	Director of Macroeconomic Statistics	Central Bank of Costa Rica	Costa Rica
Salman Hussain	Coordinator, The Economics of Ecosystems and Biodiversity (TEEB)	UNEP	Switzerland
Peter Katanisa	Advisor	Ministry of Natural Resources	Rwanda
Claudine Uwera	Country Coordinator	World Bank	Rwanda
Glenn Marcelo	Chief of Planning	Mines and Geo-Science Bureau	Philippines
Ir. M.C. Lok MA (Martin)	Program Manager	Ministerie Economische Zaken	Netherlands
Bram Edens	Senior Statistician	UNSD	Netherlands
Elsa Begne de Larrea	Statistics Assistant	UNSD	
Viktor Pirmana	PhD student	The Institute of Environmental Sciences (CML)	Netherlands
Rocky Harris	Director	Defra	UK
Rosalind Goodrich	Head of Research Communications	IIED	UK
Raffaello Cervigni	Lead Environmental Economist	WB	NA
Sofia Ahlroth	Senior Environmental Economist	WB	NA
Juan Pablo Castaneda Sanchez	Environmental Economist	WB	NA
Miranda Winram	Head of Strategy and Insight	Forest Service	UK
Salvador Sanchez-Colon	Project Director	Natural Capital Accounting and Valuation of Ecosystem Services in Mexico	Mexico
Lars Hein	Professor	Wageningen University	Netherlands
Stefan van der Esch	Policy researcher	PBL	Netherlands
Marcel Kok	Senior Researcher	PBL	Netherlands
Mikkel Kallesoe	Senior Sustainability Advisor	FMO	Netherlands
Maarten Biermans	Innovation Specialist	Rabobank	Netherlands
Gerard Eding	Director National Accounts	Statistics Netherlands	Netherlands
Ian Dickie	Director	eftec	UK
Hector Tuy	Senior Researcher	IARNA	Guatemala
Silvia Montepeque Moncrieff	Director of Strategic Studies	Secretariat of Planning	Guatemala
Hannah Pitts	Relationships Director	NCC	UK
Franziska Eckhardt	Senior Policy Officer	BMZ	Germany

Ivone Lopes Batista	Coordinator of Natural Resources, Directorate of Geoscience	Fundação I B G E	Brazil	
Carlos Scaramuzza	Director, Department of Ecosystem Conservation	Ministry of Environment - Ministério de Meio Ambiente (MMA)	Brazil	
Andre Luiz Campos de Andrade	Assessor, Subchefia de Análise e Acompanhamento de Políticas Governamentais (SAG) - Advisor, Executive Office of the Brazilian Presidency	Casa Civil da Presidência da República	Brazil	
Liu Xiaoxue	Deputy Consultant of Division of Balance Sheet, Department of National Accounts	National Bureau of Statistics	China	
Rakesh Kumar Maurya	Director, Social Statistics Division, Central Statistics Office	Ministry of Statistics and Programme Implementation	India	
Gerhardt Bouwer	Chief Director, Economic Analysis	Statistics South Africa	South Africa	
Mandy Driver	Senior Biodiversity Policy Advisor	South Africa National Biodiversity Institute (SANBI)	South Africa	
C. Palpandi	Scientist C	Ministry of Environment, Forest and Climate Change	India	
Chris Brown	Vice President	Olamnet	UK	
Contributors, unable to attend				
Jeremy Webb		UCL	NZ	
Kate Auty		ACT Commissioner for Environment and Sustainability	Australia	
Adam Tipper		Stats NZ	NZ	
Jane Carter Ingram		Ernst&Young	USA	
Ben Milligan		UCL	UK	
Daniel Juhn		CI	USA	