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NCA Approach decision-matrix tool

Aim: Helps businesses select most appropriate approach for natural capital accounting (NCA)

- Interactive Excel decision-matrix tool
- 11 NCA approaches identified
- 7 questions to answer
- Provides links to relevant tools

Category	No.	NCA for approach	Business	Potentially useful tools
Type of assessment for decision-making	1	Dependency		<ul style="list-style-type: none"> Bio-Stakeholders (Stakeholders and Ecosystem Services) Biodiversity & Biodiversity Independence Indicator EDBC Biodiversity Check VHBI – Corporate Biodiversity Assessment Review Bio-Stakeholders (Stakeholders and Ecosystem Services) Biodiversity and Biodiversity Effects Programme (BBEP) Standard EDBC Biodiversity Check Ecologically Insured Life Cycle Assessment (ELICA) EcoMetric Eco-Survey Environmental Risk, Opportunity and Valuation Assessment (EROVA) Integrated Biodiversity Assessment Tool (IBAT) Integrated Biodiversity Assessment Tool (IBAT) Non-Grain Value Pro-Net SIMA Pro Pro-Net Tool Certification
	2	Impacts		<ul style="list-style-type: none"> Global Impact Management & Management (GIMM) Biodiversity Risk, Opportunity and Valuation Assessment (EROVA) EDBC Biodiversity Check Biodiversity Risk, Opportunity and Valuation Assessment (EROVA) Natural Capital Analyzer – Local Ecological Footprints tool (LEF) VHBI Biodiversity in the Global Water Tool VHBI Corporate Biodiversity Assessment Review Artificial Intelligence for Ecosystem Services (AIRES) EDBC Sustainability Assessment Model Codina Index E-Valia Tool
	3	Risk/opportunity & materiality		<ul style="list-style-type: none"> Environmental Risk, Opportunity and Valuation Assessment (EROVA) Integrated Valuation of Environmental Services and Tradeoffs (InvET) Non-Grain Value Pro-Net SIMA Pro Pro-Net Tool Certification
	4	Valuation (full cost accounting)		<ul style="list-style-type: none"> Environmental Risk, Opportunity and Valuation Assessment (EROVA) Integrated Valuation of Environmental Services and Tradeoffs (InvET) Non-Grain Value Pro-Net SIMA Pro Pro-Net Tool Certification
	5			<ul style="list-style-type: none"> Environmental Risk, Opportunity and Valuation Assessment (EROVA) Integrated Valuation of Environmental Services and Tradeoffs (InvET) Non-Grain Value Pro-Net SIMA Pro Pro-Net Tool Certification

Table with links to tools (part of)

Under ICFI contract
for NCA workstream of
EU Business & Biodiversity Platform:



With technical input from:



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Or go to website:
http://ec.europa.eu/environment/biodiversity/business/index_en.htm

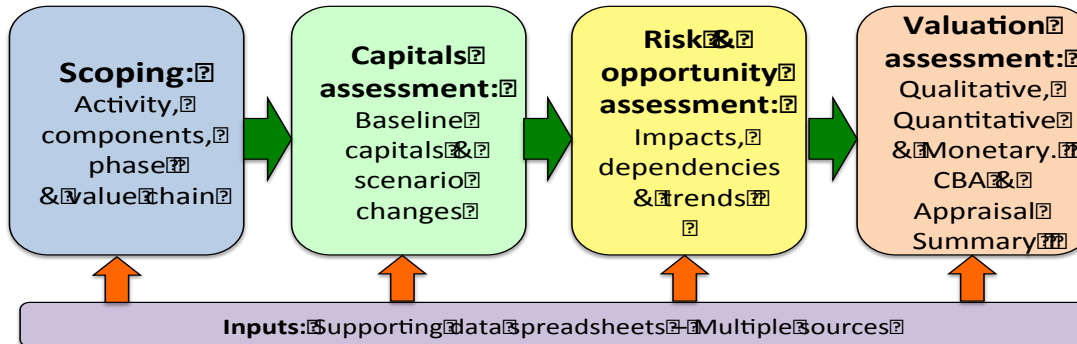
The ESE-ROVA tool

Environmental, Social & Economic – Risk, Opportunity & Valuation Assessment

Key features:

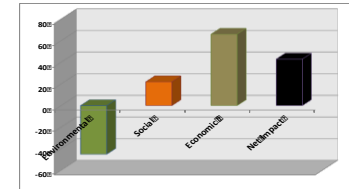
- **Type:** Holistic, integrated, spreadsheet based framework tool.
- **Coverage:** All capitals, impacts & dependencies, business & societal values.
- **Scope:** Sites & projects so far, but potential for others...
- **Applications:** Site assessments, net impacts & option appraisals, but could do any.
- **Sectors:** Applied to mining & conservation so far, but applicable to any sector.
- **Outputs:** Multiple tables & graphics - by issue, stakeholder group etc.
- **Evolution:** Continually being improved & aligned with key guides.
- **Availability:** Any company can use, adapt & help develop.

The process:



Environmental parameter	Relative Value	Annual value (US\$/year)	Present value (US\$ over 25 yrs)
Contaminating services	10	0	0
Air quality	10	0	0
Water quality	10	0	0
Performance of air quality	10	19,250	229,200
Local climate regulation	10	117,000	2,161,112
Emission control	10	15,560	232,436
Water purification and waste treatment	10	1,000,000	22,000,000
Pollution	10	97,200	1,727,220
Cultural heritage	10	0	0
Conservation and restoration	10	166,720	3,611,320
Archaeology, conservation, cultural, spiritual, non-use	10	5,110,600	84,411,347
Recreational services	10	0	0
Education, research and inspiration	10	687,950	12,708,919
Recreation & species support (e.g. nursery, refuge & feeding)	10	0	0
Non-living Natural Capital	10	0	0
Technological heritage	10	1,277,600	23,602,837
Modern cultural assets (e.g. arts & crafts)	10	1,277,600	23,602,837
Landscapes, forests & mountains	10	2,624,710	51,106,363
Wildlife and plants	10	2,624,710	51,106,363
Archaeological (pastoral by)	10	83,700	1,501,232
Other Environmental impacts	10	0	0
Artificial structures	10	0	0
Artificial structures	10	0	0
Non-living natural capital	10	16,792,400	284,730,617

Quantitative & monetized results



Assessing net impacts

Developed by:



Supported by:



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