





Business @ Biodiversity

EU B@B Platform – Webinar series "Measuring biodiversity for business and finance"

Webinar 2: Case studies on product level biodiversity measurement approaches for **business** October 2020

European Commission



Agenda

3:30 - 3:40	Introduction
3:40 - 4:00	The Product Biodiversity Footprint (PBF), with case studies on shower gel (L'OR by Guillaume Neveux (I Care) and Anne Asselin (Sayari)
4:00 - 4:20	The ReCiPe approach with a case study (for the Dutch government) comparing impact three types of hand drying systems Daniël Kan (Pré)
4:20 – 4:40	The initiative to improve biodiversity coverage in the Biodiversity impacts in life of and the current initiatives in support to the Product Environmental Footprint (PEI Sala (JRC)
4:40 - 5:00	Q&A and closing remarks



REAL) and salmon

the environmental

cycle assessment F) by Serenella

Welcome & opening

Lars Müller, Policy Officer, DG ENV Johan Lammerant, Methods Workstream Leader EU Business @Biodiversity Platform, Arcadis





ISSIO reverse nature loss by supporting businesses throughout their biodiversity/NC journey



CAL MA	SS 4 INSTITUTIONALIZATION
4 22	
t of ber he ical	 Accelerate and facilitate collaboration between businesses & FIs via the use of CoP & technical working groups Support the standardisation of B&NC accounting is standardised & in-line with generally accepted environmental accounting principles Continue to showcase successful business cases and engage with first movers to inspire the critical mass Support the development of an ambitious post-2020 biodiversity framework at EU and international level allowing for future institutionalization in businesses, FIs and governments
Business Biodivers	@ ity

Giving all Platform WS activities a functional perspective:

WS 1

Methods

- Support the convergence of methodologies towards a certain level of standardisation of B&NC accounting in-line with environmental accounting principles.
- Focus on biodiversity measurement approaches

WS 2

Pioneers

- Facilitate dialogue and cooperation between pioneering financial institutions and businesses to gain deeper understanding from practice, consolidate lessons learned and identify opportunities and solutions for further up-scaling.
- Focus on the CoP Finance@Biodiversity

WS 3

Mainstreaming

- and key players for makers.



 Mainstream biodiversity across a critical mass of businesses and financial institutions by linking up with other networks, associations institutionalisation such as policy

Focus to be defined given the numerous other initiatives.

Measuring your biodiversity footprint

2018 and 2019 EU Business & Biodiversity Platform assessment reports

- > Assessment of 10 to 12 biodiversity measurement approaches for businesses and FIs which rely on quantitative indicators that provide information on the significance of impacts on biodiversity, and which are not case-specific
- > Completely based on information from tool developers
- > Assessment elements: type of **business applications** covered by the tool, methodology and metrics, impact drivers, input data and level of detail / real data or modeling, user friendliness, which sectors, development phase and involved stakeholders, etc.
- In-depth discussions on Globio and Recipe
- > Many more company specific measurement and valuation approaches, but out of scope for this assessment

Risk of confusion! Need for common ground and

independent guidance!





BUSINESS	ORGANISATIONAL FOCUS									
APPLICATIONS SUPPORTED	PRODUCT/ SERVICE	SITE/ PROJECT	SUPPLY CHAIN	CORPORATE	PORTFOLIO/ SECTOR	COUNTRY/ REGION				
1.Current performance	ABD PBF	ABD LIFE BIE STAR BD BMS BMT	ABD LIFE BD PBF BIM BMS EPL	BD GBS BIE LIFE BIM BMS EPL	BFFI LIFE GBS	ABD LIFE				
2.Future performance	PBF	LIFE STAR BMT	LIFE PBF	GBS	BFFI LIFE GBS	LIFE				
3.Tracking target progress	ABD PBF	ABD BIE BD LIFE STAR	ABD STAR BD LIFE	ABD BIE BD LIFE GBS STAR	ABD LIFE BFFI STAR GBS	ABD STAR				
4.Comparing options	ABD PBF	ABD STAR BIE	ABD LIFE BIM EPL	ABD BIM BIE GBS EPL	ABD GBS BFFI LIFE	ABDLIFE				
5.Third party assessments/ ratings		LIFE		GBS LIFE	GBS LIFE BFFI	LIFE				
6.Third party certification		BD LIFE BMS	BD LIFE BMS	BD LIFE BMS	LIFE	LIFE				
7.Risk & opportunity assessment	ABD	ABD BIE BMT	ABD EPL	ABD BIE EPL	ABD	ABD				
8. Biodiversity accounting		BD	BD	BD						

Business @ liodiversity

Commission

Decision tree

Only initial assessment – much more work to be done Dependencies to add **Company specific approaches** or 'tailored' approaches to add Pilots are necessary





LIFE LIFE Impact Index

PBF Product Biodiversity Footprint

STAR Species Threat Abatement & Recovery

BPT Biodiversity performance tool

Biodiversity & ecosystem services







environnement et stratégie

Business @ Biodiversity, Webinar on biodiversity metrics Webinar 2: Case studies on product level biodiversity measurement approaches



Product Biodiversity Footprint



Agenda

- Product Biodiversity Footprint approach in a nutshell
- Case Study 1: shower gel from L'Oréal
- Case Study 2: Salmon, wild vs. farmed



Objective of Product Biodiversity Footprint (PBF): hybridize Biodiversity methodologies & data with LCA methodologies





PBF: An initiative supported by public authorities, academics and companies





PBF output: one simple spider comparative impact on the 5 pressures on Natural Capital



Calculated on whole life cycle and value chain, absolute Impact on species expressed in pdf and in m2eq pdf



Life cycle assessment and ecological analysis to cover the 5 pressures on biodiversity



Product Biodiversity Footprint

& consult

PBF is a « global indicator », based on impact modelization of pressures, but aiming for focused and maximal integration of real impact data



The combination of model and observation is absolutely necessary when evaluating impact at product or corporate level

- Model enables screening and hotspot identification
- Observation enables refining the model



PBF update



Case studies

- 4 case studies finalized
 - Shower gel
 - Cooking oil
 - Textile
 - Salmon
- 5 on going case studies

Sector coverage

- All sectors with generic approach
- Sector-specific approach developed for
 - Agriculture
 - Food
 - Textile
 - Packaging (ongoing)
 - Electricity (ongoing)

On going Accelerated sector coverage based on synergies with Corporate Biodiversity Footprint Expansion project (with IDL for investors)





Agenda

- Product Biodiversity Footprint approach in a nutshell
- Case Study 1: shower gel from L'Oréal
- Case Study 2: Salmon, wild vs. farmed



ĽORÉAL

PBF case study on a cosmetic product (I)

Objective	 Evaluate the impact of the actions of L'Oreal with its suppliers to reduce impact on biodiversity of ingredients at farming phase Integrate Biodiversity impact in eco-design process of L'Oréal
Valorization	 Analysis conducted over 2018/2019 (littérature analysis, data collection, result analysis) Valorization in 2019/2020 Internal presentation Posters in scientific LCA conferences and Sustainability conferences Scientific publication in 2019 (Journal of Cleaner Production)
Next steps	 Integration of eco-toxicity pressure and downstream impact analysis Roll-out to other products



ĽORÉAL

PBF case study on a cosmetic product (II)



- Illustration: Test and evaluate the specific impact of sustainable practices at agricultural phase
 - ✓ Reference : standard culture
 - ✓ Variant : Sustainable culture



PBF case study on a cosmetic product (III)

Results Lower yields, partially No land transformation on field compensated by less biodiversity according to LCA standards (> 20 impact intensity years) Land occupation 140% 120% Invasive species Land transformation 100 Impact of specific 80% agricultural practices 60% 40% Species management Water stress 20% 0% Climate Change Acidification No-land transformation Limited change and Less mechanization Photochemical Ozone Eutrophication between reference and variants Reference Variant

Reference and variant systems evaluated with the PBF methodology (cradle-to-gate perimeter)



12

Conclusions

L'ORÉAL

Relative to the results of the simulation

- ✓ The different drivers on biodiversity have to be covered to capture all impacts
- ✓ Strong effect of the yield on results

Relative to the methodology

- ✓ Useful to compare in a quantitative way the potential benefit for Natural Capital of a sustainable variant scenario
- ✓ First step to embed this method in company innovation process

Agenda

- Product Biodiversity Footprint approach in a nutshell
- Case Study 1: shower gel from L'Oréal
- Case Study 2: Salmon, wild vs. farmed



Goal and Scope : cradle-to-harbor-gate Norway salmon



Product Biodiversity Footprint

& consult

Case study on Salmon: a need for improvement of the methodology on 2 indicators



Development of additional features of PBF to better assess

- Species management overexploitation
- Invasive species





Cas study on Salmon: Focus on overexploitation



Product Biodiversity Footprint

& consult

Upcoming publication...

Cas study on Salmon: Focus on Invasive Species





Upcoming publication...





Foster your Business. Nurture the planet.

environnement et stratégie

guillaume.neveux@i-care-consult.com

anne.asselin@sayari.co

I Care & Consult 28 rue du 4 Septembre 75 002 Paris www.i-care-consult.com Sayari 6 rue Carnot 78112 Saint Germain en Laye <u>www.sayari.co</u>



Product Biodiversity Footprint

Biodiversity Footprinting using ReCiPe: A case study on hand

drying systems

Measuring biodiversity for busines and finance: building up understanding through case study analysis

Daniël Kan LCA Consult<u>ant</u>

PRé

In 1990 we developed the first version of SimaPro with the goal of making sustainability more fact-based.

That is still our driving value.

About me



DANIËL KAN

Consultant @ PRé

#BIODIVERSITY









Life Cycle Assessment studies

Biodiversity Footprint for Financial Institutions

LCA and SimaPro Training

I will answer the following questions

- What is an impact assessment method?
- How does ReCiPe work?
- How did we use ReCiPe in our case study: a comparison of hand drying systems

What is life cycle assessment?

ρ

Life cycle assessment (LCA) is a science-based methodology used to evaluate the environmental and social impacts associated with a product or service from cradle to grave.

The LCA methodology is a standardized, which ensures its reliability and transparency.

In each life cycle stage there is the potential to reduce resource consumption and improve the performance of products.





ρ



Steps of LCIA

1. Classification

- Identifying the connections between types of environmental pollution and impact
- Sorting the interventions into classes according to the effect they have on the environment



1. Classification



2. Characterization

- Next step is to quantify how much impact a product or service has in each impact category
- All interventions are multiplied by a factor (characterization factor) which reflects their relative contribution to the environmental impact

2. Characterization

LCI resu	ılts	Climate	Climate change		ication	Particula	ite matter
1000 g	CO ₂	x 1	= 1000				
10 g	SO ₂			x 1.31	= 13.1	x 0.061	= 0.61
5 g	NO _x			x 0.74	= 3.7	x 0.007	= 0.036
5 g	N ₂ O	x 298	= 1490				
4 g	PM _{2.5}					x 1	= 4
				+		·	
Characterized results		2.49	kg CO ₂ -eq.	0.0168	mol H⁺-eq.	0.0046	kg PM _{2.5} -eq.

2. Characterization: Analyzing 1 product



2. Characterization factors are based on causeeffect pathways

Cause-effect pathway shows the causal relationship between the intervention and its potential effects **Example: climate change**



LCA professionals can choose Emissions into the atmosphere impact indicators at different stages in this pathway Time integrated concentration Depends on goal and scope Radiative forcing Audience Use of results midpoint Climate change Effects on Effects on humans ecosystems Net primary Changing Wild Other Mal-Infectious Heat Flooding endpoint production fires biomes nutrition diseases impacts stress Decreasing biodiversity Why LCIA | Steps of LCIA | IAM selection | ReCiPe

2. Characterization can be done at midpoint and endpoint

۲

Mid-point and end-point modelling in ReCiPe



ReCiPe2016 developers:









What does PFD.m2.yr mean?

PDF = Potentially Disappeared Fraction of species

10 PDF.m2.yr, can be interpreted as:

- 10 m2 has lost all its species during a year
- 100 m2 has lost 10% of its species during a year
- 10 m2 has lost 10% of its species during 10 years

We only know the combined effect



PDF = 1

PDF = 0

Goal and Scope of our case study



Results can be overwhelming



ρ

Sometimes we prefer end-point modelling





Or even single score results





The initiative to improve biodiversity coverage in the Product Environmental Footprint (PEF)

Serenella Sala

Case studies on product level biodiversity measurement approaches for business– 01st October 2020

Contents

- Biodiversity in Life Cycle Assessment (LCA)
- Biodiversity in the PEF and synergies with other initiatives
- Review of existing biodiversity models and metrics in LCA
- Case study: Biodiversity impacts of consumption in EU
- Possible way forward



Main drivers of biodiversity loss

Recently, the IPBES Global Assessment, confirmed the main drivers of biodiversity loss and ecosystem degradation:

- Land/sea use change
- Direct exploitation of resources/ecosystems
- Climate change
- Pollution
- Invasive alien species



From IPBES (2019)



Biodiversity in Life Cycle Assessment (LCA)





- Production and consumption patterns are critical drivers of biodiversity loss
- LCA is pivotal to understand the contribution of different stages along the supply chain to biodiversity loss
- LCA help to systematically addressing drivers of biodiversity loss, pressures (emissions and resource use), related environmental impacts and their implications to biodiversity loss



Biodiversity in Life Cycle Assessment (LCA)



Biodiversity impacts in LCA are usually assessed at the **endpoint level**. Currently **EF** is addressing impacts which ultimately may lead to biodiversity loss, such as climate change, ecotoxicity, land use etc



Potentially Disappearing Fraction of Species (PDFs)

- The endpoint unit used to assess the impacts on biodiversity in operational LCIA methods is PDF(potentially disappearing fraction of species).
- PDF accounts for a fraction of species richness that may be potentially lost due to an environmental pressure (land use, ecotoxicity, climate change, eutrophication). The underlying environmental mechanism depends on the pressure being assessed.



Natural state



Modified state

Potential number of species in natural state: 4

Potential number of species in the modified state: 2

Potential disappeared fraction of species: 2/4 = 0.5



Hierarchy of complexity in measuring biodiversity impacts





Biodiversity in the PEF Current initiatives and possible synergies



Review of existing biodiversity methods in LCA



pubs.acs.org/est

Critical Review

Biodiversity Assessment of Value Chains: State of the Art and Emerging Challenges

Eleonora Crenna, Alexandra Marques, Alessandra La Notte, and Serenella Sala*



- "Operational models" and methods¹" include all 'endpoint' models and methods available in LCA software or recently developed with the aim of being operational for LCA practitioners.
- "Not yet operational models and methods" refer mainly to models available in literature but still not widely used/implemented.

* Models refer to the approaches used to determine environmental impacts (e.g. Chaudhary et al. 2015, IPCC, etc)

¹ Methods are groups of models (e.g. Recipe, LC-Impact, EF)



Elements assessed in existing methods/models

Recipe 2016

LC-Impact

Impact World +

Stepwise

Ecological Scarcity 2013

- Impact categories covered
- Spatial resolution
- Biodiversity metrics (the most used metric is PDF*)

The review focuses on most recent ones, which were capitalising on older methods, such as Ecoindicator 99, Recipe 2008, Impact 2002 etc.

* Stepwise uses another metric: biodiversity adjusted hectare year (BAHY) that corresponds to 10.000 PDF m² year, Ecological Scarcity is a distance to target method that uses ecopoints.



Operational methods

impact categories and spatial resolution

	Climate	Photochemical	Acidification			Euthrophication			Toxicity			Land	Water	lonizing
	change	Ozone Formation	Ter	Fres	Mar	Ter	Fres	Mar	Ter	Fres.	Mar	use	use	radiation
Recipe 2016	G	G [SE]	G [SE]				G [SE]	G	G	G	G	G	C [SE]	
LC-Impact	G	R	SE				FE	R, ME	R	R	R	TE	SE	
Impact World +	G		SE	SE	G		SE	SE	Ce	Ce	Ce	B, L	W	G
Stepwise	G	G	G			G	G		G	G		G		
Ecological Scarcity 2013												G		



- G Global, not regionalized
- C Country
- R Regions
- SE Spatially explicit/GRID
- FE Freshwater ecoregions
- R River basins
- ME Marine ecosystems
- TE Terrestrial ecoregions
- Ce Continental
- B Biomes

- L Holdridge lifezones W – Watershed
- NR Not regionalized



Operational methods *Taxonomic coverage*



Considered depending on IC Not considered



Not yet operational models and methods

At midpoint level, focusing on aspects related with biodiversity:



Hemeroby indicator degree of 'naturalness' of a landscape (Geyer et al. 2010)

Functional diversity indicator middle point between the impact on biodiversity and the damage caused to ecosystem quality, in terms of functions lost (de Souza et al., 2013)

Although these studies bring new dimensions of biodiversity to LCA, the driver of biodiversity loss covered is **land use only**.



Not yet operational models and methods

At endpoint level:

Land-use intensity 3 intensity levels (minimal, light and intense use) (Chaudhary and Brooks 2018)

Land fragmentation for bird species and forest ecoregions (Larrey-Lassalle et al., 2018)

Species richness and habitat evenness biodiversity impact potential (Geyer et al. 2010)

Invasive species Introduction of exotic fish species related to the transport of goods (Hanafiah et al. 2013)

Effect factor for marine macroplastic entanglement impact for marine species (Woods et al., 2019)

At the endpoint level, there are advancements in the amount of drivers of biodiversity loss covered as well refinement in current approaches (e.g. Land use intensity).



Review of existing biodiversity metrics in LCA

Covering <u>existing or</u> <u>additional impacts</u> (such as overexploitation of resources, invasive species) or <u>different</u> <u>aspects of ecological</u> <u>concern</u> (functional diversity, landscape fragmentation)

AREA	METRIC	RELATION TO ESSENTIAL BIODIVERSITY VARIABLES (EBVs)
1. Operational models and methods	PDFs, Biodiversity Adjusted Hectare Year (BAHY)	Community composition
2. Not yet operational models and methods – midpoint	Average renewal time, Lost potential yield, Depleted stock fraction, Functional Diversity Index, Free net primary production in primary carbon equivalent, Hemeroby	Ecosystem function, Species populations, Ecosystem structure, Species traits
 Not yet operational models and methods - endpoint 	PDFs, Potentially Affected Fraction of Species (PAFs)	Community composition



Case study Biodiversity impacts of consumption in EU



1. Determine typical baskets of products for the average EU citizen in 5 areas of consumption.

- 2. Perform for each a LCA
- 3. Assessment of the impacts on the area of protection Ecosystem quality (biodiversity loss in terms of PDFs) – <u>RECIPE 2016</u>

Sala S., Beylot A., Corrado S., Crenna E., Sanyé-Mengual E, Secchi M. (2019) Indicators and Assessment of the environmental impact of EU consumption. Consumption and Consumer Footprint for assessing and monitoring EU policies with Life Cycle Assessment. Science for policy report. Publications Office of the European Union.



Biodiversity loss (SDGs 14,15) assessed as Potentially Disappeared Fraction of species over a certain area, during a certain period of time (PDF).

Main drivers: **land use, climate change** (respectively responsible for 39% and 36% of the damage on biodiversity loss).



Case study Biodiversity impacts of food consumption in EU



CC-T: Global warming, Terrestrial ecosystems; CC-F: Global warming, Freshwater ecosystems; POF-T: Ozone formation, Terrestrial ecosystems; AC: Terrestrial acidification; FEU: Freshwater eutrophication; ECOTOX-T: Terrestrial ecotoxicity; ECOTOX-F: Freshwater ecotoxicity; ECOTOX-M: Marine ecotoxicity; LU: Land use; WU-T: Water consumption, Terrestrial ecosystem; WU-F: Water consumption, Aquatic ecosystems



Biodiversity impacts due to food consumption in Europe



E. Crenna, T. Sinkko, S. Sala*

European Commission, Joint Research Centre (JRC), Via Enrico Fermi 2749, I-21027, Ispra, Italy





Comparative assessment of products – PEF



- Product environmental footprint current set of models is already capturing the main environmental drivers, pressures, and impacts leading to biodiversity loss
- Need of explicit biodiversity footprinting was expressed by policy makers and stakeholders
- Green claims policy initiative aiming at adopting a structured approach to product comparison based on LCA.
- Dedicated working group on biodiversity has been established



Possible ways forward

- Mutual exchange and cross fertilization between LCA and biodiversity experts is needed
- Identification of commonalities and complementarities among existing approaches
- Building common case studies with B@B, comparing results/ ranking/ hotspots



Relationship between LCA and other approaches to biodiversity loss assessment

LCA Systematic approach to address Drivers, Pressure and Impacts



References

- Chaudhary, A., Brooks, T.M., 2018. Land Use Intensity-Specific Global Characterization Factors to Assess Product Biodiversity Footprints. Environ. Sci. Technol. 52, 5094–5104. https://doi.org/10.1021/acs.est.7b05570
- Chaudhary, A., Verones, F., de Baan, L., Hellweg, S., 2015. Quantifying Land Use Impacts on Biodiversity: Combining Species–Area Models and Vulnerability Indicators. Environ. Sci. Technol. 49, 9987–9995. https://doi.org/10.1021/acs.est.5b02507
- Crenna, E., Marques, A., La Notte, A., Sala, S., 2020. Biodiversity Assessment of Value Chains: State of the Art and Emerging Challenges. Environ. Sci. Technol. 54, 9715–9728. https://doi.org/10.1021/acs.est.9b05153
- Crenna, E., Sozzo, S., Sala, S., 2018. Natural biotic resources in LCA: Towards an impact assessment model for sustainable supply chain management. Journal of Cleaner Production 172, 3669–3684. https://doi.org/10.1016/j.jclepro.2017.07.208
- de Souza, D.M., Flynn, D.F.B., DeClerck, F., Rosenbaum, R.K., de Melo Lisboa, H., Koellner, T., 2013. Land use impacts on biodiversity in LCA: proposal of characterization factors based on functional diversity. Int J Life Cycle Assess 18, 1231–1242. https://doi.org/10.1007/s11367-013-0578-0
- Emanuelsson, A., Ziegler, F., Pihl, L., Sköld, M., Sonesson, U., 2014. Accounting for overfishing in life cycle assessment: new impact categories for biotic resource use. Int J Life Cycle Assess 19, 1156–1168. https://doi.org/10.1007/s11367-013-0684-z
- Geyer, R., Lindner, J.P., Stoms, D.M., Davis, F.W., Wittstock, B., 2010. Coupling GIS and LCA for biodiversity assessments of land use. Part 2: Impact assessment. Int J Life Cycle Assess 15, 692–703. https://doi.org/10.1007/s11367-010-0199-9
- Hanafiah, M.M., Leuven, R.S.E.W., Sommerwerk, N., Tockner, K., Huijbregts, M.A.J., 2013. Including the Introduction of Exotic Species in Life Cycle Impact Assessment: The Case of Inland Shipping. Environ. Sci. Technol. 47, 13934–13940. https://doi.org/10.1021/es403870z



References

- Hélias, A., Langlois, J., Fréon, P., 2018. Fisheries in life cycle assessment: Operational factors for biotic resources depletion. Fish and Fisheries 19, 951–963. https://doi.org/10.1111/faf.12299
- IPBES, 2019. Summary for policymakers of the global assessment report on biodiversity and ecosystem services of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services. IPBES secretariat, Bonn, Germany.
- Langlois, J., Fréon, P., Delgenes, J.-P., Steyer, J.-P., Hélias, A., 2014. New methods for impact assessment of biotic-resource depletion in life cycle assessment of fisheries: theory and application. Journal of Cleaner Production, Towards eco-efficient agriculture and food systems: Selected papers from the Life Cycle Assessment (LCA) Food Conference, 2012, in Saint Malo, France 73, 63–71. https://doi.org/10.1016/j.jclepro.2014.01.087
- Langlois, J., Fréon, P., Steyer, J.-P., Delgenès, J.-P., Hélias, A., 2015. Sea use impact category in life cycle assessment: characterization factors for life support functions. Int J Life Cycle Assess 20, 970–981. https://doi.org/10.1007/s11367-015-0886-7
- Larrey-Lassalle, P., Loiseau, E., Roux, P., Lopez-Ferber, M., Rosenbaum, R.K., 2018. Developing characterisation factors for land fragmentation impacts on biodiversity in LCA: key learnings from a sugarcane case study. Int J Life Cycle Assess 23, 2126–2136. https://doi.org/10.1007/s11367-018-1449-5
- UNEP, 2019. Global Guidance on Environmental Life Cycle Impact Assessment Indicators Volume 2.
- Woods, J.S., Rødder, G., Verones, F., 2019. An effect factor approach for quantifying the entanglement impact on marine species of macroplastic debris within life cycle impact assessment. Ecological Indicators 99, 61–66. https://doi.org/10.1016/j.ecolind.2018.12.018



Thank you



Serenella.sala@ec.europa.eu



© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the <u>CC BY 4.0</u> license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

Slide xx: element concerned, source: e.g. Fotolia.com; Slide xx: element concerned, source: e.g. iStock.com



Q&A and closing remarks

Johan Lammerant, Methods Workstream Leader EU Business @Biodiversity Platform, Arcadis





The next webinars in the series will be:

- Webinar 3 (8 October): Supply chain level approaches
- Webinar 4 (15 October): Corporate and sector level approaches
- Webinar 5 (22 October): Approaches for the financial sector

Each webinar takes place from 3:30 – 5:00pm

https://ec.europa.eu/environment/biodiversity/business/index en .htm







2