LIFE CYCLE INITIATIVE PROGRESS REPORT 2018

Life Cycle Initiative

hosted by

UN environment

THE LIFE CYCLE INITIATIVE IN BRIEF

The Life Cycle Initiative is a public-private, multi-stakeholder partnership enabling the global use of credible life cycle knowledge by private and public decision makers.

Hosted by the United Nations Environment Programme (UNEP), the Life Cycle Initiative is at the interface between users and experts of Life Cycle approaches. It provides a global forum to ensure a science-based, consensus-building process to support decisions and policies towards the shared vision of sustainability as a public good. It delivers authoritative opinion on sound tools and approaches by engaging its multi-stakeholder partnership (including governments, businesses, scientific and civil society organizations and individuals).

The Initiative facilitates the application of life cycle knowledge in the global sustainable development agenda in order to achieve global goals faster and more efficiently.

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FOREWORD

It is exciting to introduce this progress report of the Life Cycle Initiative, so packed with deliverables barely 18 months after the launch of the new strategy. And more so at a time where the world is coming together around the need to transform our economy towards circularity and sustainable systems of consumption and production. Life cycle approaches are the backbone of the circular economy, and we need life cycle metrics to inform the decisions that will help us mend the leaks in our linear system. In this sense, the Life Cycle Initiative has a lot to contribute from its solid foundations in science and clear hooks in relevant decision- and policy-making processes.

During 2018, the Initiative continued to build a comprehensive project portfolio to realise its mission and vision: to support global sustainable decision making for both the public and the private sectors. The Initiative has been active in providing technical advice for specific sectors (tourism, plastics, chemicals, and textile, to name a few), policy themes (national hotspots and footprints, measuring the progressive achievement of sustainable development goals for business), as well as developing life cycle capacity and fundamental life cycle knowledge on (both environmental and social) impact indicators and interoperable data.

We could not achieve the vision of the Initiative alone, and I am particularly pleased to see the growing numbers of individuals and institutions who join the Initiative as members. Also, two new funding partners joined us in 2018: Braskem and The Alliance for Beverage Cartons and the Environment. Numerous Life Cycle Initiative members met during the Initiative's virtual 2nd General Assembly in September 2018, and 3 rotating Steering Committee seats were elected. An effective and dynamic decision-making process was established with the Steering Committee, allowing for more transparency to members.

I would like to take the opportunity to thank all steering committee members for their dedication to make decisions for the Initiative; all project leaders for their hard work to implement the Initiative's activities, as well as the continuing support from the Initiative's members and the life cycle community. Through you, we continue to co-create and spread the work about the results of our work together.

Looking forward, the Life Cycle Initiative will continue to deliver through scaled-up activities and partnerships, engaging with high-level policy processes, as well as strengthening interactions with our members and users of life cycle knowledge. As I write these lines, the Secretariat and several partners and members of the Life Cycle Initiative are working at full capacity towards delivering a truly successful 4th Session of the UN Environment Assembly, which has a strong focus on life cycle approaches. 2019 will definitely be a defining moment in the history of the Life Cycle Initiative, and we look forward to working with you to make it an outstanding success.

Steven Stone

Head of the Resources and Markets Branch
UN Environment Programme

2018 HIGHLIGHTS

An expert consultation was convened by UN Environment in mid-February to harness existing knowledge and experience on marine plastics throughout their life cycles. It brought together plastics and marine experts from different horizons and resulted in a foundation for a stock-taking exercise and a hotspot analysis report.

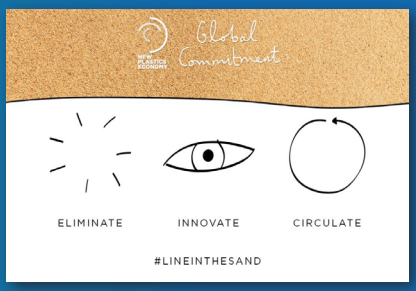
The Steering Committee members of the Initiative gathered in Brussels for a very fruitful meeting on 26 April, hosted by courtesy of our member and funding partner PlasticsEurope! This was the first physical Steering Committee meeting since the launch of our new strategy in September 2017.

In late April, the Global LCA Data Access Network (GLAD) was launched during the 6th meeting of the International Forum on LCA Cooperation in Brussels. Since then, GLAD has been open for new dataset providers to join the network. GLAD can be accessed at: http://www.globallcadataaccess.org/

A second Pellston WorkshopTM was held in Valencia, Spain in late June 2018 to build consesus for the report "Global Guidance for Life Cycle Impact Assessment Indicators and Methods".

In September the 2nd (virtual) General Assembly of the Life Cycle Initiative was held. During the Assembly, 3 new Steering Committee members were elected.

The Life Cycle Initiative Secretariat, on behalf of its members and with approval of the Steering Committee, joined over 250 other global organisations and companies in the New Plastics Economy Global Commitment, formalising its support as an endorser in October 2018.



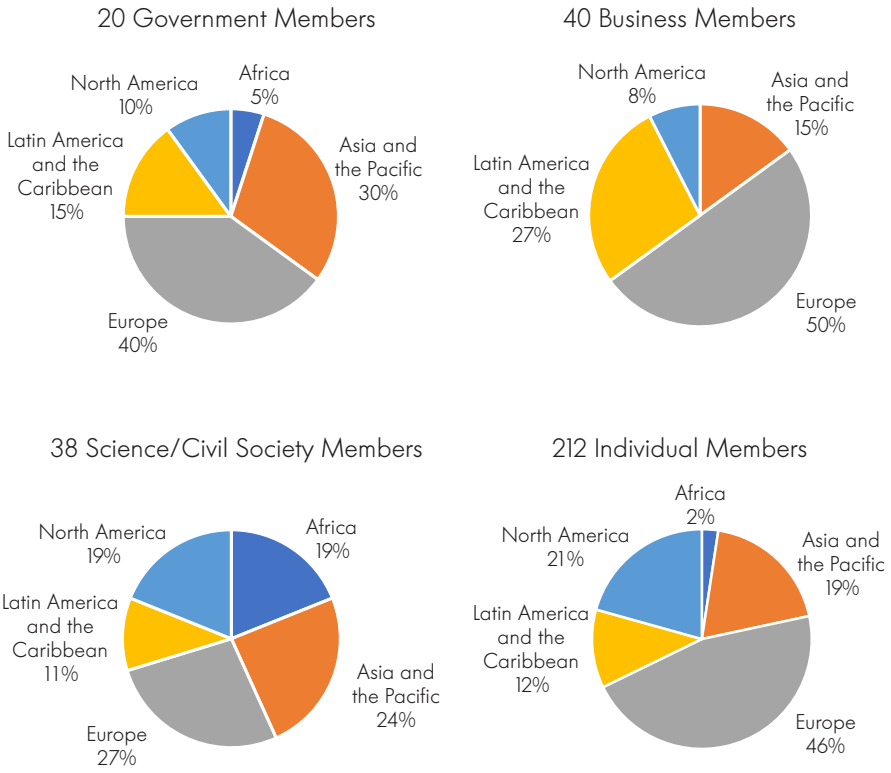
In late 2018, the Life Cycle Initiative launched the Sustainable Consumption and Production-Hotspots Analysis Tool to help countries identify hotspot areas. Access it at: http://scp-hat.lifecycleinitiative.org/

1. SUMMARY OF ACHIEVEMENTS

1.1 Rising Support and Interest in 2018

The engaged and active membership base of the Initiative continues to expand. In 2018, 42 new Individual members, 7 new Business members, 4 new Science/ Civil Society members as well as 2 new Government members joined the Life Cycle Initiative from a diverse set of backgrounds as well as from a variety of regions.

Become a member of the Initiative by following this link.



1.2 Resource Mobilization

The Life Cycle Initiative relies on funding from funding partners and projects, who provide core funding and additional, programmatic funding to the Initiative. Core funding is needed to run the structure of the Initiative as well as to have available budget to provide seed funding to get projects off the ground. In the new strategy, projects also contribute to fundraising. For more information of the funding rules, follow this link.

Direct project funding represents the largest share of the Initiative budget, and mainly comes from national governments and the Global Environment Facility. All projects started resource mobilisation activities to attract funding from both the public and private sector, to ensure the impacts and uptake of the projects by its users.

In 2018, two new funding partners joined the Life Cycle Initiative: The Alliance for Beverage Cartons and the Environment, as a gold partner and Braskem as a silver partner.

THE ALLIANCE FOR BEVERAGE CARTONS AND THE ENVIRONMENT

Braskem

Join us and become a Life Cycle Initiative funding partner! Three benefits of becoming a funding partner include, but are not limited by:

1. Gaining VISIBILITY as a supporter – through conferences, reports, our website and newsletters.
2. Exerting INFLUENCE – maintain close links to the debate, the discussion spaces and assembly.
3. Accessing ADVICE and EXPERTISE – through a global forum of experts and practitioners.

Follow this link for more information.

1.3 Steering Committee/General Assembly

In September, the 2nd General Assembly of the Life Cycle Initiative was held. This gave members an update on the achievements over the past 12 months, discussed future activities, and explored cooperation among members. Another important objective of the General Assembly was for members to elect 3 new representatives to the Steering Committee. A total of 62 members participated online. Three new Steering Committee members were voted by the members within their constituencies:

» Government: The Government of Sweden (Europe)

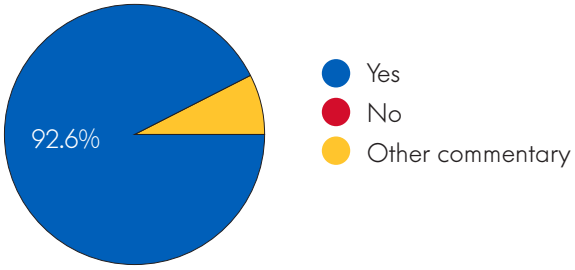
» Business: The HUB EPD of Latin America (Latin America and the Caribbean)

» Science and Civil Society (individual member): Bárbara M. Civit (Latin America and the Caribbean)

This results in the latest composition of the Steering Committee are in Table 1 below.

Results of the General Assembly participants survey revealed that the vast majority of respondents were very satisfied with the organization and realization of the General Assembly, including the webex platform, content, facilitation, presentations and outcomes. Non-participants cited time zone and schedule conflict most often as the reason for not being able to participate.

Are you generally satisfied with the outcomes of the virtual General Assembly?



Improvements in the interactivity and engagement with members were noted as areas for improvement, in general. As a start in the right direction, starting in 2019 the Initiative will organise regular webinars to update the progress on specific projects, and seek the support and feedback from members, and will look into organising regional member gatherings or events. Follow us on Twitter and Linkedin to get the latest information on webinar dates and topics.

Table 1: Composition of the Life Cycle Initiative Steering Committee

Government	Business	Science/Civil Society/Individuals
IBICT (Latin America and the Caribbean), *represented by Tiago Braga*	Plastics Europe (Europe), *represented by Guy Castelan*	World Resource Forum (Europe), *represented by Sonia Valdivia*
The Government of Sweden (Europe), *represented by Sven-Olof Ryding*	FICCI (Asia and Pacific), *represented by Sanjeevan Bajaj*	CIRAIG (North America), *represented by Manuele Margni*
South Asia Co-operative Environment Programme (SACEP) (Asia and Pacific), *represented by W.K. Rathnadeera*	The HUB EPD of Latin America (Latin America and the Caribbean), *represented by Claudia Peña*	Bárbara M. Civit (Latin America and the Caribbean)

2. PROJECT PROGRESS IN A NEW PHASE

The Life Cycle Initiative achieves its vision and mission through a set of key programme areas. After 3 previous phases, which involved creating a community (Phase 1), becoming a stakeholder (Phase 2) and mainstreaming LCA (Phase 3), the new phase (2017-2022) consists of programmes that aim to promote life cycle knowledge and thinking. The Life Cycle Initiative will deliver across three main programme areas: Technical and policy advice, Capacity development, and Knowledge. Here, we present some of the important progressions made within projects within the programme areas.

2.1 Technical and Policy Advice/ Stewardship for LCA Approaches

By 2022, the Life Cycle Initiative will, through partnerships, mainstream the use of Life Cycle Thinking into four global areas of decision and policy making, in at least 15 countries and 30 companies. Key partners include the One Planet network, the International Resource Panel, the Strategic Approach to International Chemicals Management (SAICM), others.

Sustainable Consumption and Production Hotspot Analysis Tool (SCP-HAT)

The Life Cycle Initiative launched the SCP-HAT in late 2018. Together with the One Planet Network and the International Resource Panel, the Life Cycle Initiative commissioned this project and now the tool is finally ready to be used. With the help of our implementing partners, WU Vienna and CSIRO, as well as support from KGM & Associates, an intuitive and online tool is now ready to help countries identify hotspot areas. The tool has already been piloted in Argentina, Ivory Coast and Kazakhstan. The tool provides three modules to analyse hotspot areas:

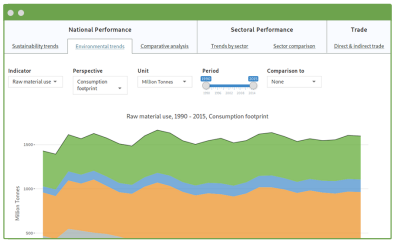
Module 1 – Country Profile: Provides the key information regarding the country's environmental performance, in the context of the most relevant policy questions.

Module 2 – SCP Hotspots: Provides a wide range of SCP indicators to analyse hotspots of unsustainable consumption and production at country and sector levels.

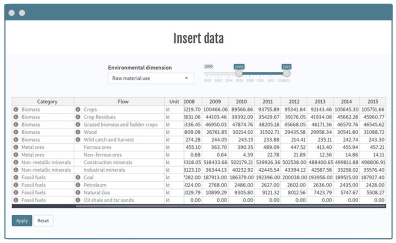
Module 3 – National Data Systems: Provides the option of inserting national data to receive more tailored results.

Country Profile module

SCP Hotspots module



Data Systems module



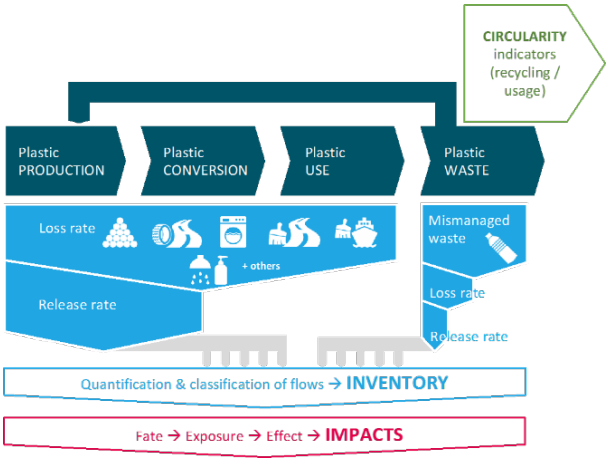
Strategic Approach to International Chemical Management (SAICM)

The overall objective of SAICM is the achievement of the sound management of chemicals throughout their life cycle so that by the year 2020, chemicals are produced and used in ways that minimize significant adverse impacts on the environment and human health. The Life Cycle Initiative is supporting this project by coordinating the further development of the USEtox tool, especially by driving the inclusion of near-field scenarios, allowing the assessment of chemical alternatives in building products and toys. 2018-2019 activities include identifying chemicals of concern and potential alternatives, the compilation of chemical properties databases as well as the adaptation of USEtox for priority CoC-product combinations in toys and building materials.

Information and actions towards marine plastics

The Life Cycle Initiative has been working actively to provide scientific knowledge and technical advice to answer to the pressing concern of the marine plastics. The overarching goal is to provide more consistent data for inventory data on plastics flows, and to construct assessment methods for evaluating impacts to the marine ecosystems, in order to generate better LCA results. By applying the life cycle knowledge, suggestions are provided to policy makers to ensure that actions are throughout the whole plastic value chain, to address key environmental hotspots and avoid burden shifting.

This project "National Guidance for Marine Plastic Hotspotting and Actions" works towards identifying key hotspots towards the most relevant plastic polymers, products, and pathways leaking into the marine environment. It is a project that has been on-going since February 2018 and specifically aims to develop guidance to support government and the private sector to map national plastic value chains, identify environmental hotspots, and develop intervention measures related to marine plastics. The methodology is expected to provide a harmonized approach for generating consistent data and information for decision making at the national, provincial, or city level. The project is funded by UNEP, and implemented by the consortium of EA - Shaping Environmental Action, International Union for Conservation of Nature (IUCN), Quantis and Plastic Soup Foundation.



In 2018, the project has developed a draft guidance with modules on quantifying plastics inputs and outputs, leakage to the environment and marine system, risks and impacts assessment, hotspots analysis and prioritizing key areas of interventions. In 2019, the draft guidance will be made public for consultation, and will be further tested in 15 countries before deployment for comprehensive application at the global level.

Linking UN Sustainable Development Goals to Life Cycle Impact Pathway Frameworks

In April 2018, the Steering Committee gave the go-ahead for this project. This project aims to develop a clear linkage between the top-down process that led to the creation of the SDGs and all the bottom-up knowledge, data and methodology in the Life Cycle Sustainability Assessment. It will provide an actionable and rational method for businesses and governments to integrate the SDGs into decision making and monitoring, therefore contributing substantially

to streamlining and coordinating action as well as increasing efficiency in implementing the 2030 Agenda. Through its co-development and capacity development activities, the project provides policy makers, business decision makers, and LCA practitioners new tools to enhance the effectiveness of their decision making and strategy development. The outcomes will also be applicable for streamlining and harmonisation of sustainability reporting. The project is implemented by 2.-0 LCA and PRé Consultants.

In July, a short joint report was published as part of this collaboration. "Making the SDGs relevant to business" summarises the current knowledge on the interests of companies and policymakers to link the UN Sustainable Development Goals to business needs and exploring the interest in using Life Cycle Assessment as a tool to support the use of SDGs.

In September, the project organized its first online stakeholder consultation. The consultation allowed for a wider understanding for the following points:

1. The context of how SDGs are being used by decision makers
2. How LCA-based metrics can contribute
3. The requirements and wishes of the various stakeholders
4. The need for capacity building.

The project continues the engagement with businesses to participate in and get insight from this project development in 2019.

2.2 Life Cycle Capacity Development

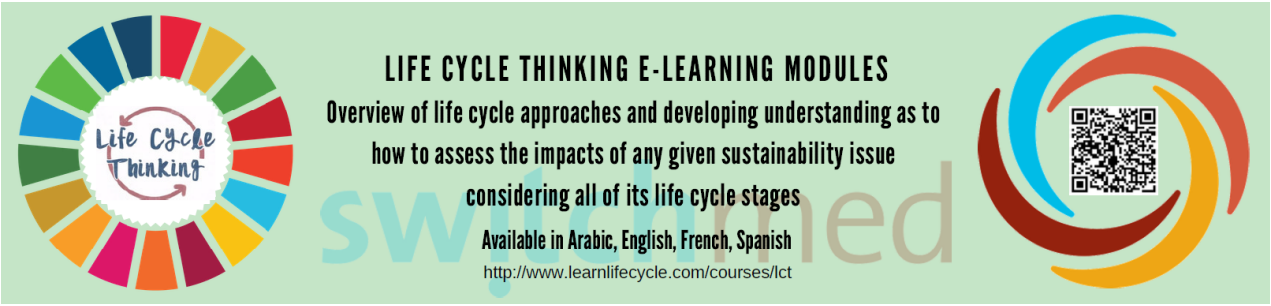
By 2022, the Life Cycle Initiative will train at least 2,500 policy makers, business decision makers and LCA practitioners, and share at least 20 Life Cycle Thinking success stories.

REAL E-Learning

Under the project Resource Efficiency through Application of Life cycle thinking (REAL) funded by the European Commission, the Life Cycle Initiative co-developed the e-learning module "Introduction to Life Cycle Thinking". The module continues to attract many subscribers. As of December 2018, a total of 339 people have fully completed the e-learning module (the number of actual enrolments is 1776). Thanks to financial support from the Switch-Med project, the module is now also available in Arabic and French.

Currently in the works are two further e-learning modules, namely:

1. The application of Life Cycle Thinking in policy decision-making
2. The application of Life Cycle Thinking in business decision-making



2.3 Life Cycle Knowledge Consensus and Platform

By 2022, the Life Cycle Initiative will offer a solution to access all LCA databases globally in an interoperable way, alongside a library of recommended impact assessment factors linked through a global nomenclature system.

Global LCA Data Access network (GLAD)

In April 2018, the Global LCA Data Access network (GLAD) was launched during the 6th meeting of the International Forum on LCA Cooperation in Brussels. Since then, GLAD has been open for new dataset providers to join the network.

The process of connecting datasets (i.e. nodes) to GLAD is still ongoing. Nevertheless, users can access a limited number of datasets. In 2019, the process is expected to be finalized, at which point users will be able to explore a more comprehensive set of globally available LCA datasets via GLAD. Datasets currently being connected to GLAD include: IDEA (Japan), USA LCA Digital Commons, SICV Brazil (Brazil, IBICT), ELCD (European Life Cycle Data Network) and ecoinvent.

With many of the international GLAD partners present at the meeting, the launch of GLAD constitutes a highlight in an extensive international consensus-building process around access to data and interoperability. In the future, the GLAD community will continue to work on these aspects under the structure of the Life Cycle Initiative. GLAD can be accessed at: http://www.globallcadataaccess.org/

LCA Technical Helpdesk

UN Environment launched a Technical Helpdesk for National LCA Databases which provides stakeholders wishing to establish and operate LCA databases with both training and support by international experts. A number of experts are already listed and stand ready to answer your questions. Whether you are an expert willing to share your views or a beginner in the field of LCA Data in need of advice, we invite you to register under the Helpdesk and explore its many resources. Access the technical helpdesk here.

In September 2018, a project to develop national LCA data base roadmaps was launched as part of the REAL project. Under this project, road mapping exercises have been initiated in India, Sri Lanka, South Africa and Brazil in collaboration with ecoinvent Association. Ecuador and Uganda are undertaking initial road mapping exercises as part of the same project. Finalization is expected for June 2019.

Global Guidance for Life Cycle Impact Assessment Indicators and Methods (GLAM)

Following on the successful first set of recommended life cycle impact indicators by the Life Cycle Initiative a second Pellston Workshop was held in Valencia, Spain in late June 2018 to further provide "Global Guidance for Life Cycle Impact Assessment Indicators and Methods". The goal of the workshop was to reach consensus on recommended environmental indicators and characterisation factors for Life Cycle Impact Assessment (LCIA) in the areas of human toxicity, ecotoxicity, acidification and eutrophication, soil quality and related ecosystem services, mineral resources, as well as crosscutting issues. The workshop was supported by the funding partners of the Life Cycle Initiative, as well as additional contribution from the International Copper Association, ifu Hamburg iPoint Group and MERA (the Metals Environmental Research Association).

After a review by an ad hoc Review Committee set up by the Life Cycle Initiative and SETAC as

Pellston Workshop participants in Valencia, Spain in late June 2018 on "Global Guidance for Life Cycle Impact Assessment Indicators and Methods" (GLAM)

well as final editing the workshop report will be published. In parallel a scientific paper is being prepared summarising the main achievements and recommendations. The official launch of the Valencia Global Guidance on LCIA for this second set of indicators is scheduled for Summer 2019.

Guidelines for Social Life Cycle Assessment (SoLCA)

In April, the Life Cycle Initiative formally launched a new project on Social LCA, to include the revision of the guidelines, and also to road-test it in different organisations for practical application. The project is implemented by the Social LCA Alliance and has two phases. The first phase consists of the revision of the 2009 Guidelines with the publication of the open-source Guidelines update planned for August 2019. The work in this phase includes the development of initial drafts in topic-based working groups of experts and users, internal review of the drafts by experts and users, 2 technical workshops, 2 external consultations and a final review.

The first face-to-face workshop was held in Pescara, Italy, in September. The workshop brought together 44 participants from 17 countries and from a range of sectors (academia, consulting, industry, international organisations). It offered a concrete opportunity for S-LCA practitioners to get involved in the revision process and to improve an initial draft that was developed by working groups. The revised guidelines aim to reflect current state-of-the-art in both S-LCA and SOLCA, focus on capacity building, and broaden the audience of the current guidelines. Read more here.

The second phase of the project consists of the road testing, where the updated Guidelines will be applied to a range of products or organizations and industrial sectors. The results of these pilot projects will enable the generation of additional resources to support implementation (Q&A, advice, testimonies, examples), as well as training materials. The road-testing process is planned to last two years.

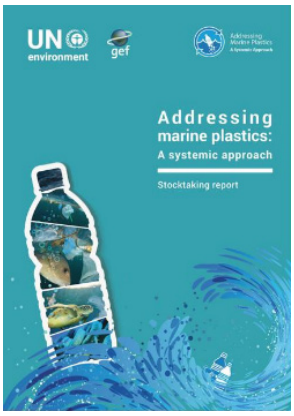
The participants of the SoLCA workshop in Pescara, Italy, in September 2018

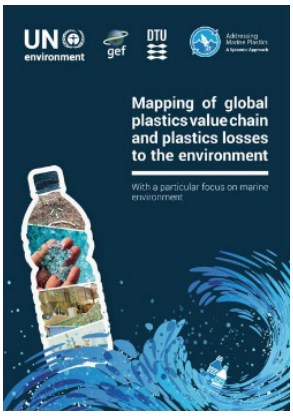
2.4 Other Highlights

A Systemic Approach to Marine Plastics

A multi-stakeholder consultation workshop on a systemic approach to marine plastics was held in February at the UN Environment in Paris. The workshop resulted in the identification of current gaps in knowledge and action (policy, technology and awareness); recommendations on priority hotspots in the life cycle of plastics; and related actions (policy and technical) along the value chain of plastics. In January 2019 there was a follow-up workshop that continued the discussion by going deeper into recommended actions to address the identified hotspots in specific sectors. The workshops contribute to a project run by a collaboration between UN Environment, the Ellen MacArthur Foundation, the Ocean Conservancy and Grid Arendal and is funded by the Global Environment Facility (GEF).

In 2018, UN Environment published 2 reports under the GEF funded project "Addressing Marine Plastics – A systemic Approach", with the technical support from the Life Cycle Initiative. These two reports have fully considered life cycle thinking in assessing the key environmental hotspots and developing recommendations:



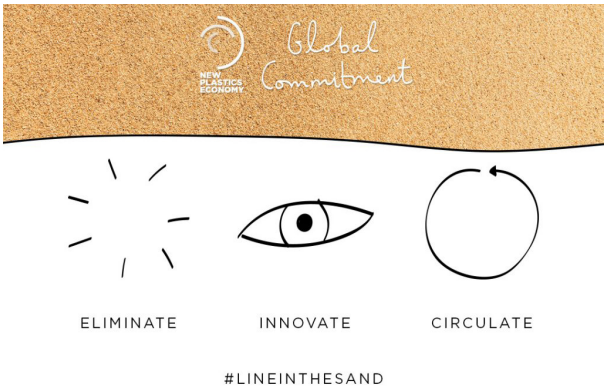


1. Addressing marine plastics: A systemic approach – Stocktaking report
2. Mapping of global plastics value chain and plastics losses to the environment – With a particular focus on marine environment

New Plastic Economy Global Commitment

The Life Cycle Initiative joined over 250 other actors (plastics manufacturers; fast moving consumer goods producers; retailers; waste managers; finance community; local and national governments; NGOs…) in the New Plastics Economy Global Commitment, formalising its support as an endorser. The Global Commitment presents a unique opportunity for businesses and governments to step forward as global leaders working on solutions addressing the root causes of plastic waste and pollution and transitioning to a circular plastics economy.

The key actions that signatories align to were also informed by the above-mentioned reports on marine plastics, based on life cycle thinking and systemic perspective. The Life Cycle Initiative will continue developing life cycle based



guidance and tools to support the decision making and actions related to marine plastics. The Life Cycle Initiative has a key role to play in providing support for a transition to a circular economy for plastics. The commitment the Initiative has undertaken is:

» We endorse the New Plastics Economy Global Commitment and common vision.

» Additionally, we make the following relevant ambitious commitments in line with the vision's recognised "importance of taking a full life-cycle and systems perspective, aiming for better economic and environmental outcomes overall": We will strive to facilitate access to life cycle based tools and approaches to enhance the knowledge on amounts of plastic leaking into the environment, and ways to assess the impacts associated to those amounts for use in Life Cycle Assessment.

Accelerating Actions for a Sustainable Textile Value Chain within a Circular Economy

As of 2018, the Life Cycle Initiative is part of a project that aims to tackle environmental and social impacts associated with the textile value chain. In short, the project aims to increase the uptake of life cycle based approaches in public (policy related) and private (business related) organizations along the textile value chains and their related sectors. In late 2018, the Federation of Indian Chambers of Commerce and Industry (FICCI) and Quantis worked together with Initiative to prepare a short report on "*Mapping the textile value chain, identifying key hotspots at the global level and assessing trade barriers & opportunities*".

Pilot testing life cycle thinking in the food sector in four developing countries

The Pilot Projects have also progressed significantly in 2018. Pilot projects have been initiated in four countries (India, Thailand, Guatemala, and Nicaragua) and address the application of Life Cycle Thinking and tools in specific value chains (food, palm oil, and coffee).

A Pilot study based in Nagaland, India, is using life-cycle based information tools and methodologies to identify hotspots where interventions can be made for improving sustainability along the fruits and vegetables supply chain. The pilot aims to provide enabling conditions for promoting better sustainable consumption choices and is being carried out in two categories of local fruits and vegetables: produce from conventional farms and produce from organic farms. Possible intervention points were identified after extensive hotspot analyses and are currently being implemented for four groups of stakeholders, i.e. farmer, wholesaler, retailer and consumer.

Addressing land use impacts

In early October, the Life Cycle Initiative was honoured to participate in the Gimo workshop on "Empowering decision makers across value chain to protect and restore life on land", hosted and organised by our recent funding partner, the Alliance for Beverage Cartons and the Environment. The workshop gathered a multi-disciplinary group of international experts in forestry, ecosystem science and life cycle assessment to discuss how life cycle assessment (LCA) can better address land use impacts on

biodiversity – supported by a forest visit to study responsible forest management. Life Cycle information addressing biodiversity should drive decisions across the value chain that restore and protect components of biodiversity including the ones for which society has already set targets as in the SDGs, Science Based Targets (SBTs), etc. Acknowledging the strengths and limitations of LCA and other tools, the participants developed the "Gimo recommendations", which address the reference situation, appropriate spatial granularity for addressing forest land, as well as ways of providing better decision support.

3. OTHER EVENTS

Steering Committee Meeting

The Steering Committee members of the Initiative gathered in Brussels and also online for a very fruitful meeting on the 26th of April 2018, hosted by courtesy of our member and funding partner PlasticsEurope! This was the first physical Steering Committee meeting since the launch of our new strategy in September 2017.

Gordon Research Conference on Industrial Ecology

In May, the Life Cycle Initiative participated at the Gordon Research Conference on Industrial Ecology with a plenary speech on "Data and Metrics to Inform Progress toward Sustainable Development". Additionally the new strategy of the Life Cycle Initiative was presented to engage the scientific community with the ongoing projects of the Initiative: such as the Global LCA Data Access Network (GLAD) and the consensus building for impact assessment indicators (GLAM project).

Brazilian Conference on Life Cycle Management

In June, the Initiative contributed to the 6th edition of the Brazilian Conference on Life Cycle Management (GCV2018). While the conference addressed in particular topics around Databases and Public Data in LCA, the Initiative facilitated a workshop on GLAD and the contributions of Brazilian databases.

The [avniR] Conference 2018 on life cycle management

In November, the Initiative delivered a plenary speech at the 8th edition of the [avniR] Conference 2018 on linking life cycle thinking to support global policy agenda. The conference has the theme on Circular economy, innovate with Life Cycle Thinking, bringing together industrials, researchers, public authorities, NGOs, international experts and policy makers of a wide range of sectors: textile, construction, food, etc, to promote the use of life cycle thinking and LCA.

4. OUTLOOK

In 2019, the Life Cycle Initiative is running up towards the 4th UN Environment Assembly, where success will be measured by the adequate consideration of life cycle approaches in relevant decisions for resource efficiency and energy, chemicals and waste management, as well as enhanced uptake of the Life Cycle Initiative outputs by global policy processes.

The Life Cycle Initiative will get closer to seeing life cycle thinking influencing decisions and advancing faster and more efficiently towards the Sustainable Development Goals.

Interaction with Life Cycle Initiative's members and the life cycle community will be deepened in project collaboration, in conferences, industry meetings and policy gatherings.

THANK YOU TO OUR FUNDING PARTNERS!

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