



GENEVA
BEAT PLASTIC POLLUTION
DIALOGUES

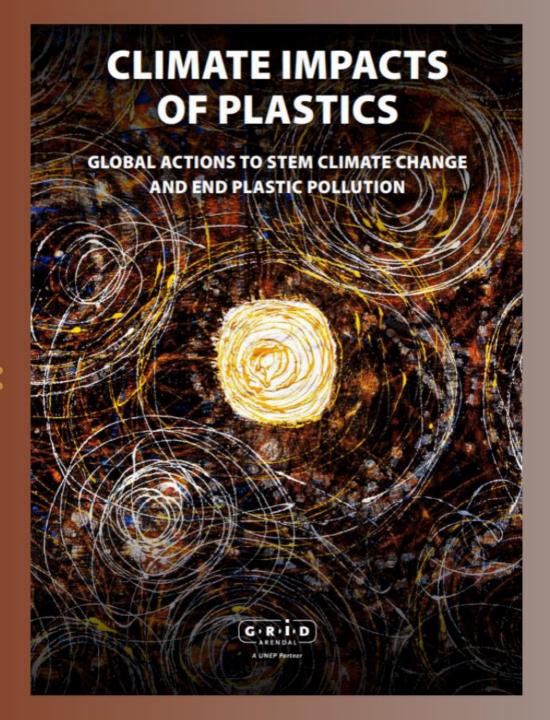
# Launch and Panel Discussion

## **CLIMATE IMPACTS OF PLASTICS:**

Global Actions to Stem Climate Change and End Plastic Pollution

20 March 2024 | 14:00-15:30 CET | Online (Webex)

>>> tiny.cc/GEN20Mar24







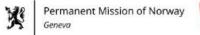






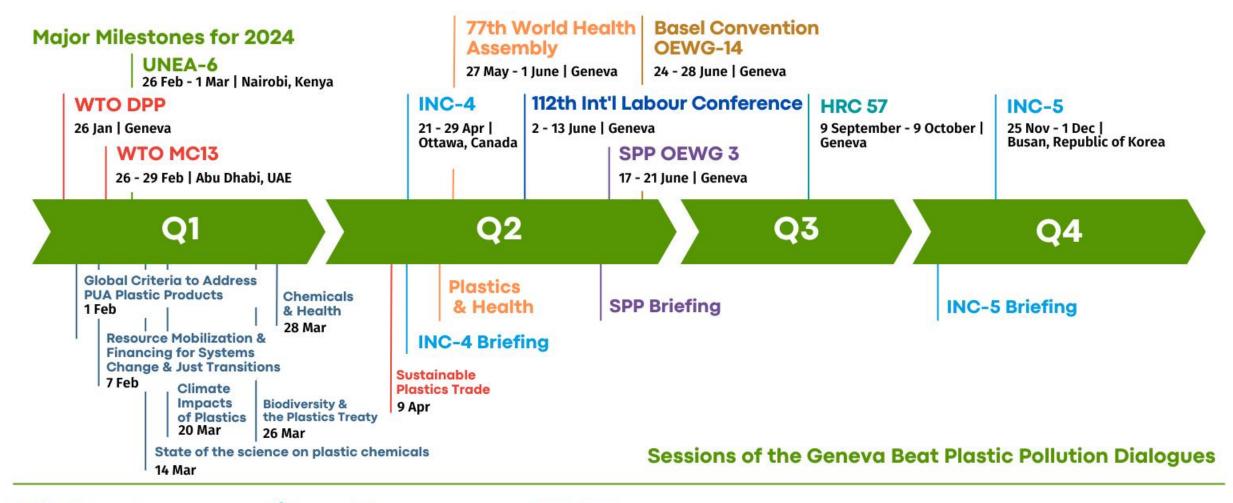








## GENEVA BEAT PLASTIC POLLUTION DIALO









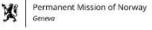


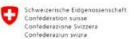












Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution

### SPEAKERS

By order of intervention.



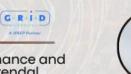
### H.E. Amb. Luke DAUNIVALU



Permanent Representative of Fiji to the United Nations Office and other international organizations in Geneva



### Natalia SKRIPNIKOVA



Expert, Transboundary Governance and Environmental Crime, GRID-Arendal



### Eirin HUSABØ



Associate Expert, Waste and Marine Litter, GRID-Arendal



### Karen RAUBENHEIMER



Lecturer at Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong



### Karl HOLMBERG



STEPS - Sustainable Plastics and Transition Pathways, Lund University



### Max MOHAMMADI



Founder, CTO & Chairman, PlasticFri



### Daniela DURAN



Senior Legal Campaigner, Upstream Plastics Treaty, CIEL

### Richard THOMPSON



Professor of Marine Biology, Director of the University of Plymouth's Marine Institute | Scientists' Coalition for an Effective Plastics Treaty



### Kartik VERMA



Plastic Action Facilitator, Children and Youth Major Group (CYMG)



### Lena ESTRADA

Indigenous Peoples Representative, Major Groups Facilitating Committee of the UN Environment Programme (UNEP)



### Carolyn **DEERE BIRKBECK** TESS

Executive Director, Forum on Trade, Environment & SDGs (TESS) Moderator

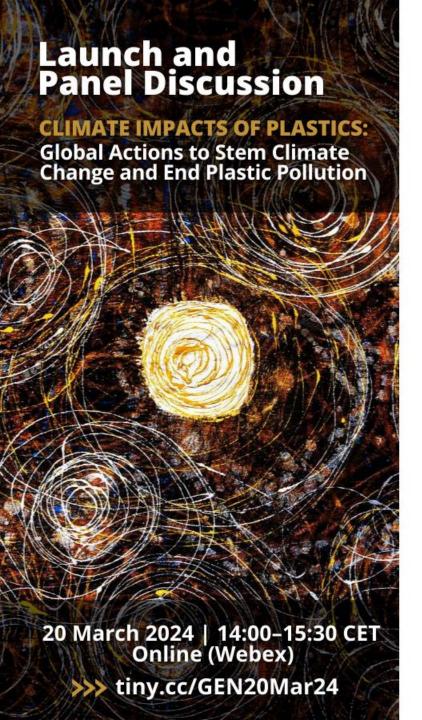
>>> tiny.cc/GEN20Mar24

20 March 2024 | 14:00-15:30 CET Online (Webex)



GENEVA ENVIR NMENT

BEAT PLASTIC POLLUTION DIALOGUES



### **AGENDA**

Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

**Opening Remarks** 

**Presentation of the Report** 

**Panel Discussion** 

Q&A

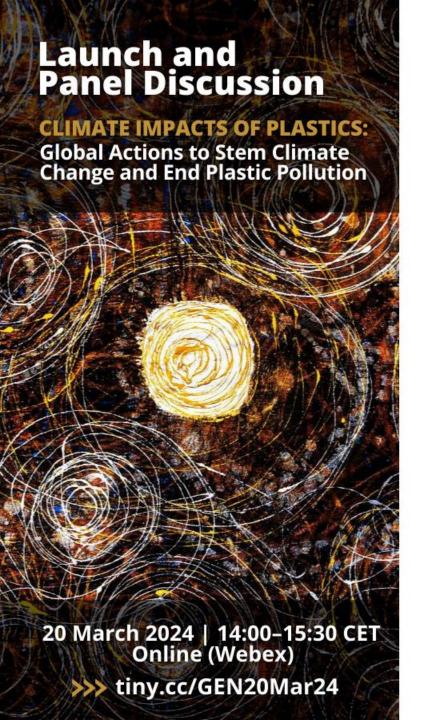
Closing











### **AGENDA**

Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

### **Opening Remarks**

• H.E. Amb. Luke DAUNIVALU | Permanent Representative of Fiji to the United Nations Office and other international organizations in Geneva

### **Presentation of the Report**

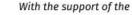
**Panel Discussion** 

Q&A

Closing







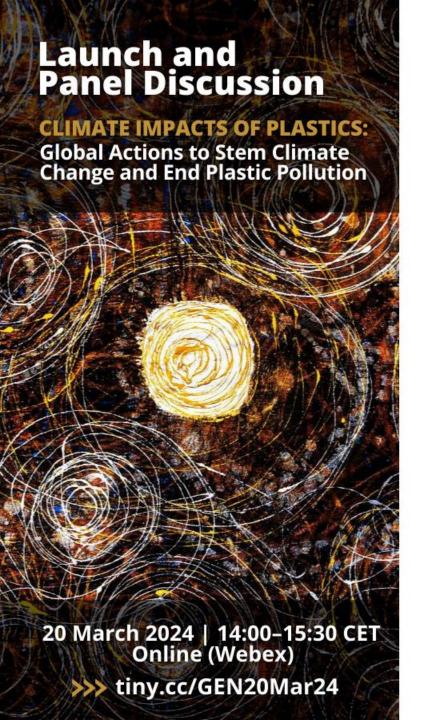




### Launch and **Panel Discussion**

CLIMATE IMPACTS OF PLASTICS:
Global Actions to Stem Climate Change and End Plastic Pollution





### **AGENDA**

Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

### **Opening Remarks**

• H.E. Amb. Luke DAUNIVALU | Permanent Representative of Fiji to the United Nations Office and other international organizations in Geneva

### **Presentation of the Report**

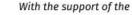
**Panel Discussion** 

Q&A

Closing





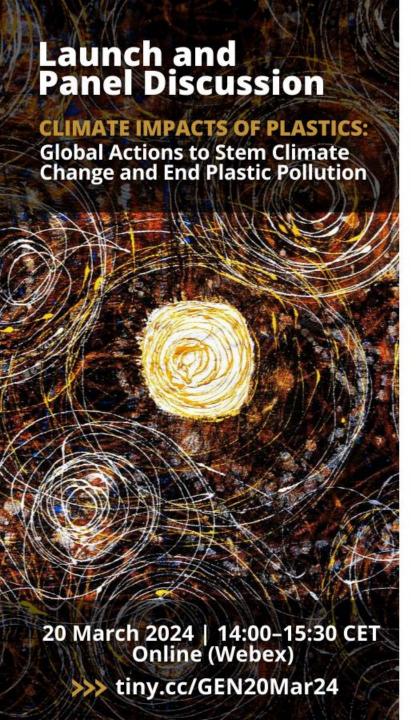




## Launch and

Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution





### **AGENDA**

Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

### **Opening Remarks**

### **Presentation of the Report**

**Overarching Information About the Report** 

 Natalia SKRIPNIKOVA | Expert, Transboundary Governance and Environmental Crime, GRID-Arendal

## Latest Scientific Findings Regarding Plastics-Related Greenhouse Gas Emissions

• Eirin HUSABØ | Associate Expert, Waste and Marine Litter, GRID-Arendal

## How Plastic-Relevant Reporting is Undertaken by the UNFCCC and the Paris Agreement

 Natalia SKRIPNIKOVA | Expert, Transboundary Governance and Environmental Crime, GRID-Arendal

## How the Plastics Treaty Can Include Measures to Reduce Climate Impacts of Plastics

 Karen RAUBENHEINER | Lecturer at Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong

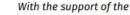
### **Panel Discussion**

Q&A

Closing











Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution



### Natalia SKRIPNIKOVA

Expert, Transboundary Governance and Environmental Crime, GRID-Arendal





### Eirin HUSABØ

Associate Expert, Waste and Marine Litter, **GRID-Arendal** 





### Karen RAUBENHEIMER

Lecturer at Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong



20 March 2024 | 14:00-15:30 CET Online (Webex)



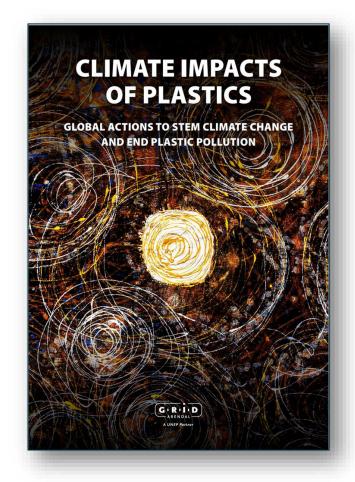


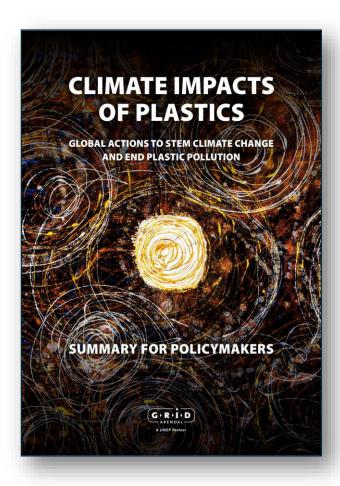
With the support of the BEAT PLASTIC POLLUTION DIALOGUES

# Climate Impacts of Plastics: Global Actions to Stem Climate Change and End Plastic Pollution















### Aim and Objectives

The report aims to identify options for measures and strengthen governmental accountability in addressing the climate impacts of plastics. Specifically, the objectives include the following:

- To identify the existing plastics-climate efforts and provide additional options strengthening the accountability of governments to address plastic pollution and climate change at the global level
- 2. To maximise the climate benefits by providing measures through the global plastics instrument
- 3. To improve institutional capacity to jointly minimise the effects on climate change across the plastics life cycle at the national and global levels, including relevant multilateral environmental agreements (MEAs) and United Nations entities





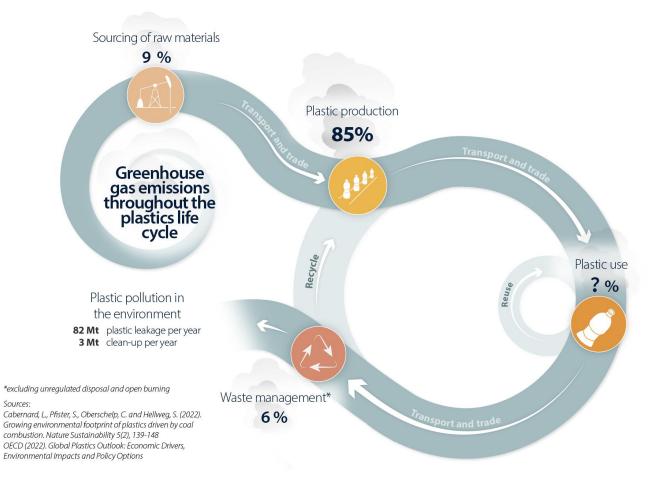
### Methodology

- **Literature review** of the latest available scientific evidence of the drivers of climate change across the plastics life cycle
- **Empirical study:** analysis of the reports submitted by the Parties under the UNFCCC and the Paris Agreement as well as Member States' written submissions prior to the INC-3 on Plastic Pollution
- Analysis of official documents prepared by the Secretariat of the INC on Plastic Pollution
- Database assessment: a review of available data on greenhouse gas emissions from the plastics life cycle
- Review of Multilateral Environmental Agreements: mapping of MEAs obligations related to the impacts of plastics on climate change across life cycle





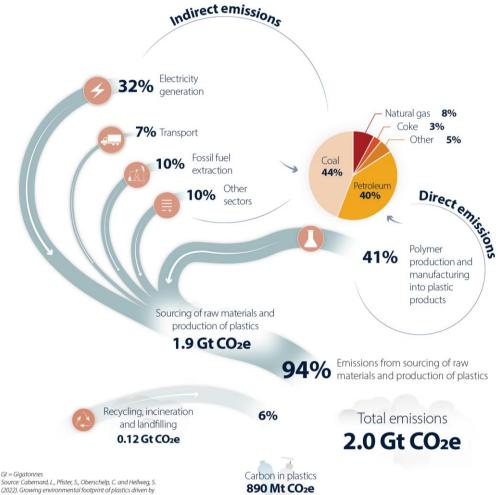
## Technical foundation







## Emissions from sourcing of feedstocks and plastic production











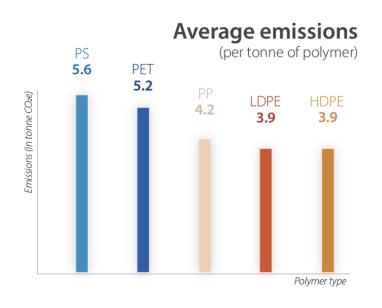
## Sourcing of feedstock

- The use of fossil fuels in plastic production

- Accounts for 9% of greenhouse gas emissions across the plastic lifecycle.
- 90% of plastics is derived from fossil-based feedstocks.
- Methane emissions likely underestimated by 25-40 percent.







### The production of plastic

- 85% of the greenhouse gas emissions, generated directly and indirectly in the process of creating finished polymers
- Refining fossil fuels constitute about 40% of emissions from the oil and gas industry
- Polymerisation and conversion stage accounts for 30% of emissions
- Heavily relies on fossil fuels for energy





## Plastic use and reuse

- Rapid economic growth has led to increased plastic consumption worldwide
- Replacing plastic packaging with reusables could cut emissions significantly
- Limited alignment between governance, markets, materials, and technology perpetuates plastic's carbon lock-ins

### Average lifespan per use case

(in years)







### Waste management

- 6% of overall emissions from the plastic lifecycle
- Does not account for open burning and mismanaged plastic waste - total GHG emissions are assumed to be higher
- Plastic bottle recycling can cut emissions by 30% compared to landfilling and over 40% compared to incineration
- Countries move towards substantial investments in waste incineration with energy generation





## Plastic pollution in the environment



Image: GRID-Arendal

- Microplastic is found in all corners of our planet
- Plastic degradation emit greenhouse gases like methane and ethylene
- Plastic feedback loops exacerbates climate effects





## The empirical part





# Reporting on plastics under the UNFCCC and the Paris Agreement

- Analysis of 219 documents (NDCs, biennial reports, biennial update reports) submitted by Parties in English
- Key finding: the current reporting practice under the UNFCCC and the Paris Agreement does <u>not</u> provide a systematised approach for tracking plastic-related greenhouse gas emissions and traceability of the impacts of plastics on climate change





# Strategies to reduce greenhouse gas emissions relevant for plastics

### Decarbonisation

- Improvements of industrial processes
- Use of new technologies, including hydrogen
- Methanol with high CO<sub>2</sub> content natural gas
- Carbon capture, utilisation and storage
- Bio-based sources of energy, fuels, and chemicals
- Development of national policies, including low-carbon roadmaps and regulations.

### **Emissions reduction**

- Introduction of new technologies
- Improvement of production processes and energy consumption
- Circular economy
- Reducing and recycling plastic waste
- Reducing of plastics incineration

### Energy efficiency

- Implementation of energy efficiency standards and plans
- Energy intensity targets
- Introduction of new technologies and upgrading facilities

### Circularity

- Policies and legislation promoting circularity
- Specific areas of focus are reduction in consumption of plastic items and improvement of waste management
- EU Circular Economy Action Package





# Life cycle stages of plastic under the UNFCCC and the Paris Agreement



### Sourcing

- CO<sub>2</sub> utilisation as a raw material through innovative technologies
- Plastic as secondary raw material or secondary source
- Circular economy is a recognised approach to the recycling of plastic waste as a raw material



### Production

- Bans and restrictions on manufacturing of single-use plastic and polythene bags, single-use products, expanded polystyrene (EPS) and export of polystyrene products
- Design is recognised as a significant element in achieving circularity of plastics
- Energy use for plastic production constitutes a gap



### Plastic Use

- Strong tendency to tackle climate impacts of plastics by focusing on plastic bags and single-use products
- Policies and regulation aimed at eliminating certain plastic items
- Import bans
- Financial incentives (taxes, payments and fees), transforming plastics consumption
- Sustainable procurement policies covering plastics
- Raising awareness about consumption of plastics



## Waste management

- More extensively reported on than other life cycle stages
- Plastics category in the composition of municipal solid waste
- Reduction of plastic waste landfilling
- Focus on increasing recycling and collection
- Open burning is weakly featured
- One case: reduction of CO<sub>2</sub> emissions associated with the incineration of petroleumbased waste, such as plastics
- WEEE: prevention, separate collection, recycling and regulation of waste management



## Plastics in the environment

- Poorly covered
- Monitoring of microplastics in the marine environment
- Monitoring of plastic waste
- Beach clean-ups
- Collection of marine plastic litter
- Rehabilitating of sea turtles' entanglements in fishing gear





# What else do we know about plastics from the UNFCCC and the Paris Agreement?

• List of reported polymers:

Polystyrene (PS)
Expanded polystyrene (EPS)
Extruded polystyrene (XPS)
Polyethylene (PE)
Polyurethane (PU)
Polyethylene terephthalate (PET)
Polyvinyl chloride (PVC)
Polyurethane (PU)

• Bio-based, biodegradable, compostable, biomass plastics and bioplastics:

No clear definitions for these types of plastics

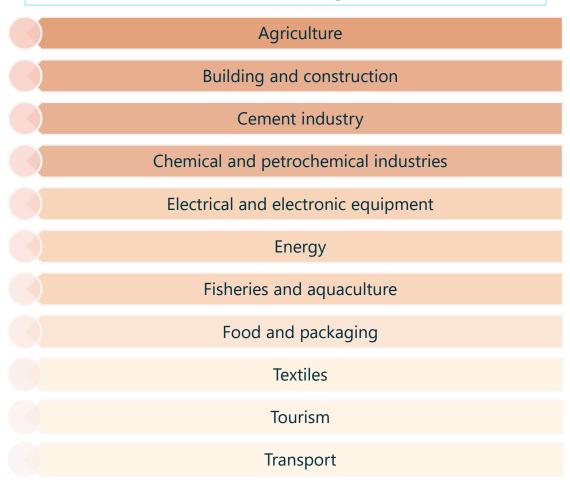
Plastics through a sectoral approach





## Plastics through a sectoral approach

## 11 sectors recognising plastics in the context of climate change







Major gaps of reporting on plastics under the UNFCCC and the Paris Agreement

- No specifical reporting on greenhouse gas emissions in the plastics industry
- Energy use throughout plastics life cycle, including production stage
- Fragmented nature of reporting on plastics



Image: GreenBiz





## Expectations for addressing climate change aspects of plastics based on INC-3 submissions



Image: IISD Earth Negotiation Bulletin

- 101 country submissions (group and individual in English)
- a total of 125 countries provided inputs related to climate change
- This indicates support for the inclusion of greenhouse gas emissions as a plastic pollutant under the plastics instrument, and for the plastics instrument to strengthen action to address climate change





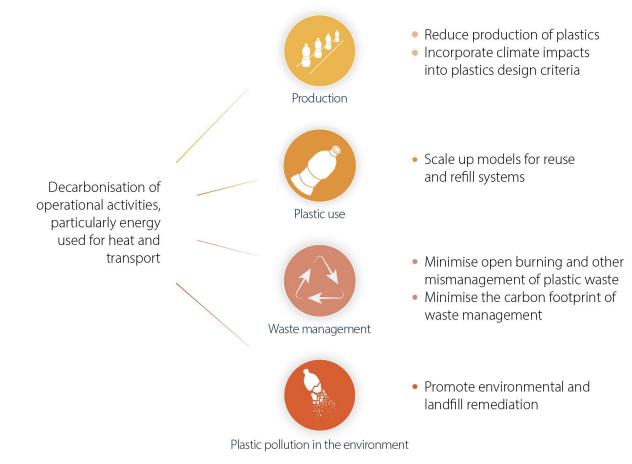
## Measures for optimising climate benefits across the plastics life cycle





### **UNFCCC / Paris Agreement**

### **Plastics instrument**



### **UNFCCC / Paris Agreement + Plastics instrument**

Strengthen transparency and accountability

Scale sustainable financing

Accelerate research, innovation and low-carbon technology







# Core measures under the plastics instrument to reduce production and conversion

- Reduce production and conversion
- Increase the use of secondary plastics
- Minimise the production of problematic, unnecessary and avoidable products
- Increase use of sustainable, safe and low-carbon non-plastic substitutes





# Core measures under the plastics instrument for low-carbon design

### Develop design criteria that focus on:

- employing low-carbon feedstocks
- using polymers with low net-energy requirements
  - consider full life cycle, particularly production
  - suitable for reuse/refill systems
  - suitable for mechanical recycling
- minimizing the release of microplastics





# Core measures under the plastics instrument targeting plastic use and reuse

- Develop and expand scalable models for reuse and refill systems
  - closely linked to transport decarbonisation





# Core measures under the plastics instrument waste management and plastic pollution in the environment

- Minimise open burning and other forms of plastic waste mismanagement
- Minimise carbon footprint in plastic waste management
  - Acknowledge varying levels of GHG emissions from different waste management options
  - Develop criteria to support LCA towards:
    - 1) investment in lower-emitting technologies and
    - 2) avoiding lock-ins in high-emitting technologies
  - Promote offset of GHG
  - Remediation of environment & landfill





# Measures under the UNFCCC and Paris Agreement to decarbonise the plastic life cycle

- Promote renewable energy sources across plastic life cycle
- Incentivize energy efficiency across the plastics life cycle
- Reduce greenhouse gas emissions from the transport sector





# Supporting measures under the plastics instrument and UNFCCC

- Increase transparency, accountability and information-sharing
  - Develop an indicator framework to track plastic material flows towards national reporting of plastic-related emissions under the UNFCCC
  - Improve private sector reporting on plastic-related GHG emissions
- Accelerate research, innovation and low-carbon technology development
  - Identify low-carbon non-plastic substitutes, feedstocks, polymers, practices and technologies
  - Identify more environmentally friendly chemical conversion technologies
  - Carbon capture and utilization
- Scale sustainable financing
  - Financial institutions should prioritise investing in lowemissions technologies





# Institutional collaboration





# Opportunities for collaboration

- Sharing data and information on plastic related GHG emissions and their sources with the Paris Agreement and plastics instrument
- Coordinating policies and measures among MEAs related to plastics with broader climate goals and targets
- Research, analysis, and assessment efforts to deepen understanding of the climate implications of plastics and identify mitigation opportunities
- Paris Agreement decarbonize plastic life cycle
   Guidance for preparation of Nationally Determined Contributions
   (NDCs) and Long-term Low-emission Development Strategies
   (LT-LEDS)
- Science-policy interface (SPI) for plastic pollution





# Summary





# Key activities

- Plastics instrument:
  - Consider GHG a plastic pollutant
  - Reduce production of primary polymers
  - Develop design criteria to limit GHG emissions
- Decarbonise operational activities (UNFCCC)
  - Greatest potential
- Expedite research, innovation and low-carbon technology







leva Rucevska



Natalia Skripnikova



Carina Thomassen



Eirin Husabø





Elisabeth Berglihn



Karen Raubenheimer

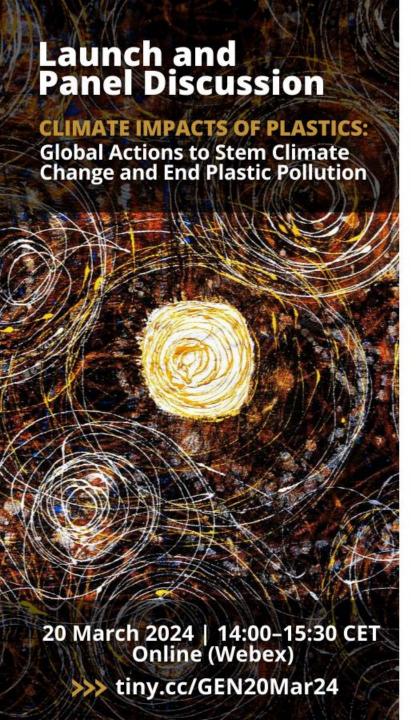


Niko Urho









Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

### **Opening Remarks**

### **Presentation of the Report**

**Overarching Information About the Report** 

 Natalia SKRIPNIKOVA | Expert, Transboundary Governance and Environmental Crime, GRID-Arendal

## Latest Scientific Findings Regarding Plastics-Related Greenhouse Gas Emissions

• Eirin HUSABØ | Associate Expert, Waste and Marine Litter, GRID-Arendal

# How Plastic-Relevant Reporting is Undertaken by the UNFCCC and the Paris Agreement

 Natalia SKRIPNIKOVA | Expert, Transboundary Governance and Environmental Crime, GRID-Arendal

# How the Plastics Treaty Can Include Measures to Reduce Climate Impacts of Plastics

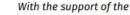
 Karen RAUBENHEINER | Lecturer at Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong

### **Panel Discussion**

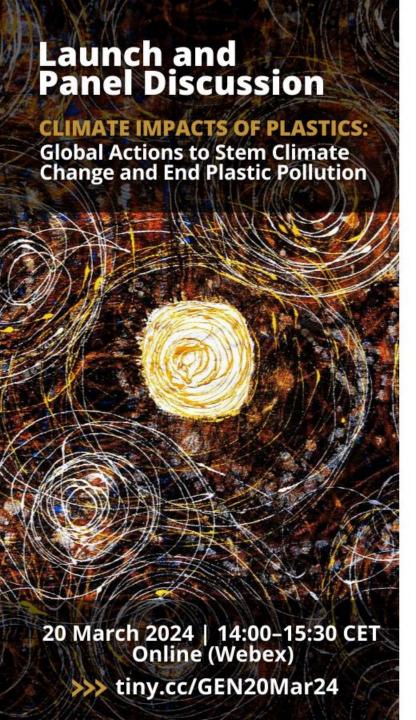
Q&A











Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

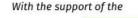
# Opening Remarks Presentation of the Report Panel Discussion

- Karl HOLMBERG | STEPS Sustainable Plastics and Transition Pathways, Lund University
- Max MOHAMMADI | Founder, CTO and ChairmanFounder, PlasticFri
- Daniela DURAN | Senior Legal Campaigner, Upstream Plastics Treaty, Center for International Environmental Law (CIEL)
- Richard THOMPSON | Professor of Marine Biology, Director of the University of Plymouth's Marine Institute | Scientists' Coalition for an Effective Plastics Treaty
- Kartik VERMA | Plastic Action Facilitator, Children and Youth Major Group (CYMG)
- Lena ESTRADA | Indigenous Peoples Representative, Major Groups Facilitating Committee of the United Nations Environment Programme (UNEP)

### Q&A Closing











# Launch and

Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution



## Karl HOLMBERG



STEPS - Sustainable Plastics and Transition Pathways, Lund University



Naciones Unidas

20 March 2024 | 14:00-15:30 CET Online (Webex)

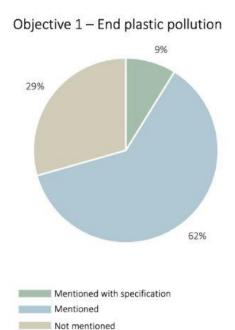


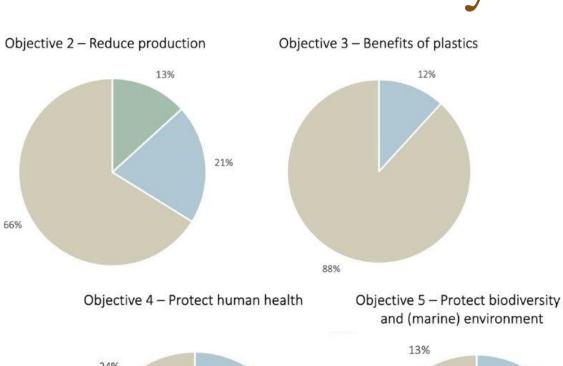
With the support of the **BEAT PLASTIC POLLUTION** DIALOGUES

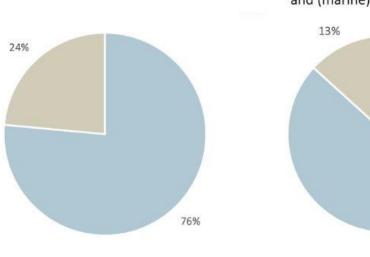


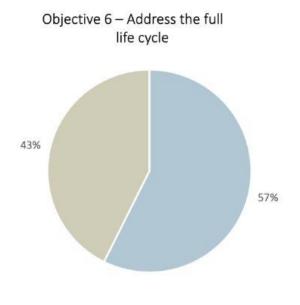
# Stated objectives of the treaty

Not mentioned



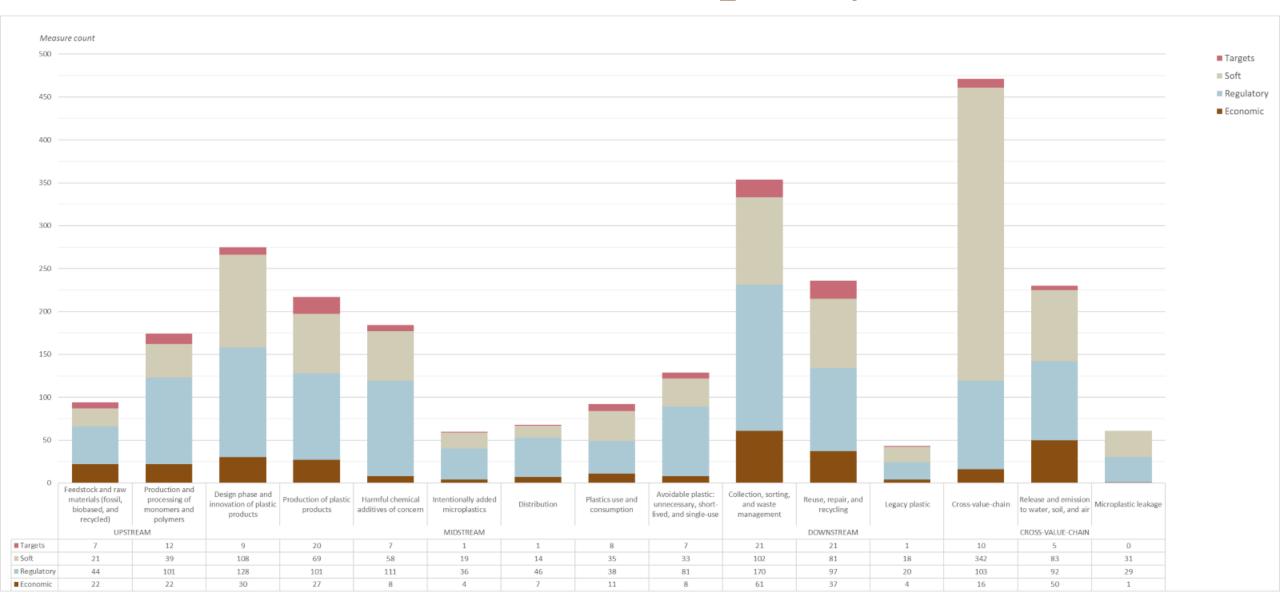




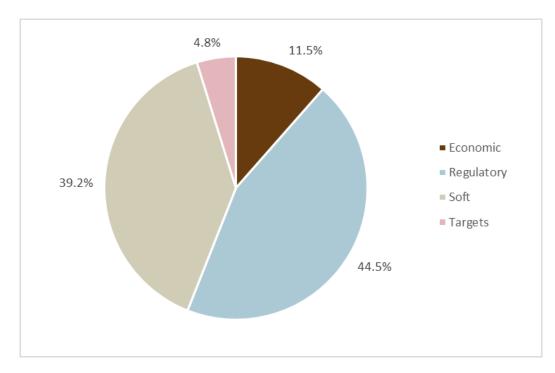


87%

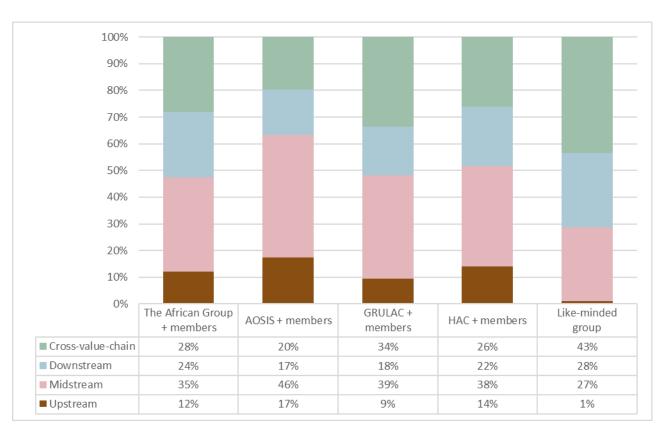
# Matrix: value chain and policy measures



# Distribution of measures



Types of measures proposed in INC-2 and INC-3 pre-session submissions.



The distribution of measures proposed by five key coalitions along the value chain.

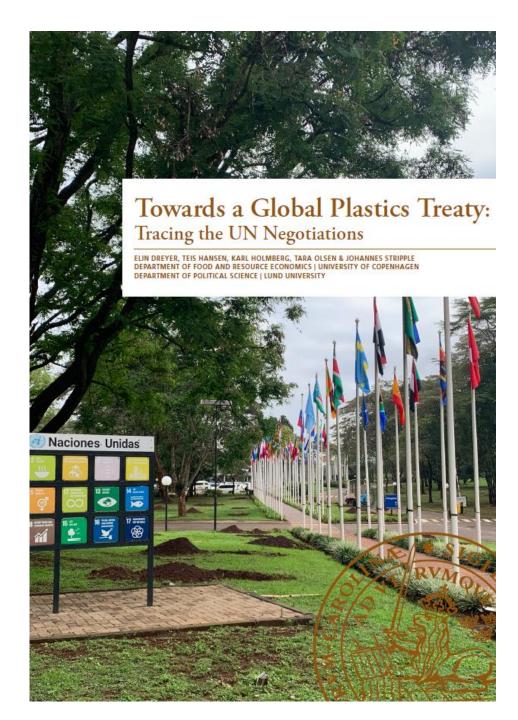


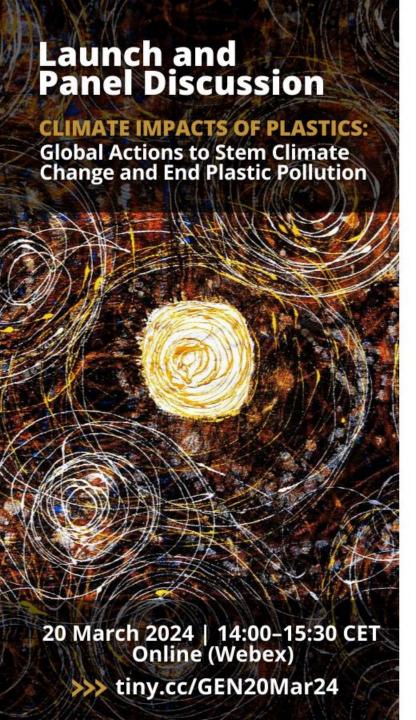




# Takeaways

- Review and coding of 182 pre-session submissions, directly or indirectly representing 170 UN states in the INC process
- Pre-session submissions by member states provides considerable attention to waste management and recycling related issues.
- Relatively little attention is being given to upstream, climate, and production related measures.
- Since there are common ground around waste management and recycling, we can expect these issues to feature heavily in the Treaty in its final form, with the risk that other parts of the value chain becomes comparatively neglected.
- However, the sheer quantity of plastics being produced each year undermines any efforts either to 'end' plastic pollution or to reach any net-zero carbon emissions targets.





Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

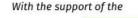
# Opening Remarks Presentation of the Report Panel Discussion

- Karl HOLMBERG | STEPS Sustainable Plastics and Transition Pathways, Lund University
- Max MOHAMMADI | Founder, CTO and ChairmanFounder, PlasticFri
- Daniela DURAN | Senior Legal Campaigner, Upstream Plastics Treaty, Center for International Environmental Law (CIEL)
- Richard THOMPSON | Professor of Marine Biology, Director of the University of Plymouth's Marine Institute | Scientists' Coalition for an Effective Plastics Treaty
- Kartik VERMA | Plastic Action Facilitator, Children and Youth Major Group (CYMG)
- Lena ESTRADA | Indigenous Peoples Representative, Major Groups Facilitating Committee of the United Nations Environment Programme (UNEP)

### Q&A Closing









Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution

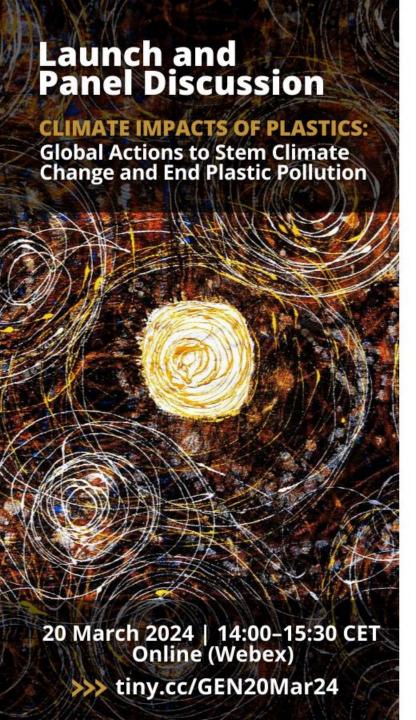


20 March 2024 | 14:00-15:30 CET Online (Webex)





BEAT PLASTIC POLLUTION DIALOGUES



Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

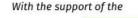
# Opening Remarks Presentation of the Report Panel Discussion

- Karl HOLMBERG | STEPS Sustainable Plastics and Transition Pathways, Lund University
- Max MOHAMMADI | Founder, CTO and ChairmanFounder, PlasticFri
- Daniela DURAN | Senior Legal Campaigner, Upstream Plastics Treaty, Center for International Environmental Law (CIEL)
- Richard THOMPSON | Professor of Marine Biology, Director of the University of Plymouth's Marine Institute | Scientists' Coalition for an Effective Plastics Treaty
- Kartik VERMA | Plastic Action Facilitator, Children and Youth Major Group (CYMG)
- Lena ESTRADA | Indigenous Peoples Representative, Major Groups Facilitating Committee of the United Nations Environment Programme (UNEP)

### Q&A Closing



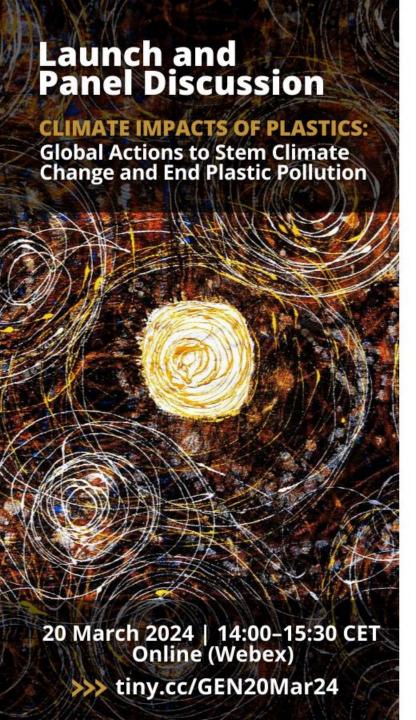






Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution





Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

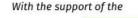
# Opening Remarks Presentation of the Report Panel Discussion

- Karl HOLMBERG | STEPS Sustainable Plastics and Transition Pathways, Lund University
- Max MOHAMMADI | Founder, CTO and ChairmanFounder, PlasticFri
- Daniela DURAN | Senior Legal Campaigner, Upstream Plastics Treaty, Center for International Environmental Law (CIEL)
- Richard THOMPSON | Professor of Marine Biology, Director of the University of Plymouth's Marine Institute | Scientists' Coalition for an Effective Plastics Treaty
- Kartik VERMA | Plastic Action Facilitator, Children and Youth Major Group (CYMG)
- Lena ESTRADA | Indigenous Peoples Representative, Major Groups Facilitating Committee of the United Nations Environment Programme (UNEP)

### Q&A Closing

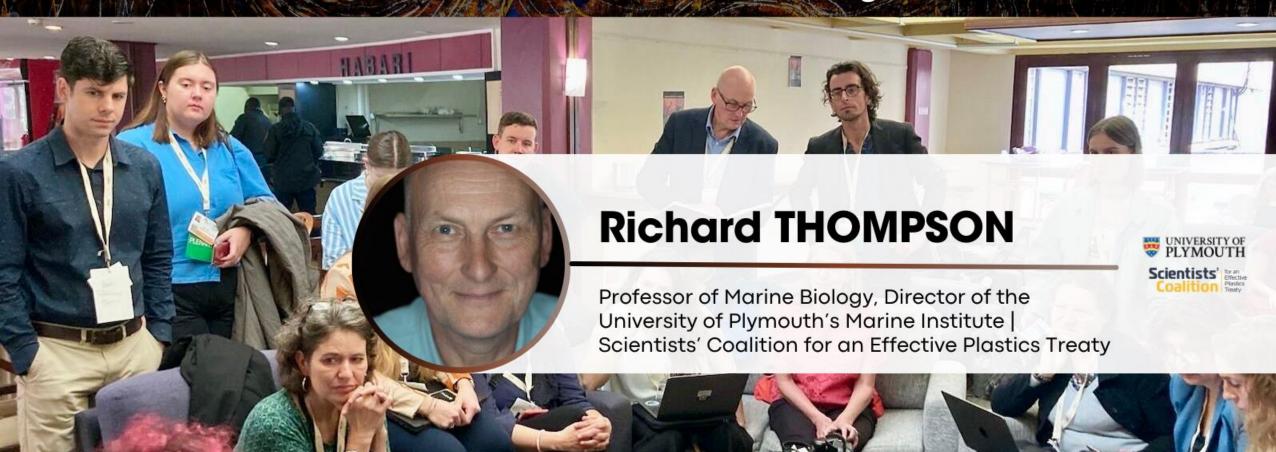








Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution



20 March 2024 | 14:00-15:30 CET Online (Webex)



With the support of the BEAT PLASTIC POLLUTION DIALOGUES





Our goal:

To achieve an effective global plastics treaty centered on and around evidence-based decision making based on the best available science, pursuant to <u>UNEA Resolution 5/14</u>.

Objective 1: To mobilise a diverse international and multidisciplinary network of scientific experts to engage with and provide evidence to government delegations throughout treaty negotiations.

Objective 2: To identify, analyse and address biases, misunderstandings or misrepresentations that may be promoted in attempts to weaken the new global framework.

# Membership of the Scientists' Coalition for an Effective Plastics Treaty





# CLIMATE IMPACTS OF PLASTICS

## Key points

- 85% of GHG emission production (9% sourcing of raw material)
- Need for comprehensive full life-cycle approach
- Recognition of GHG emissions associated with waste management open burring, land fill incineration (waste to energy)
- Critical role of dedicated SPI



# Non-plastic **Substitutes** and **Alternative** plastics

### Key points substitutes

- Environmentally sound, lower foot print Reference to full LCA (low carbon, water, energy) need for safety and sustainability essentiality criteria products and associated chemicals
- low carbon / non fossil minerals, plants (<u>carbon is not just GHG Emissions</u>)

### Key points alternatives

- Bio-based perceived as environmentally friendly
- Bio-based Does not link to degradation properties
- Land use
- Waste (food waste, agri waste)

HS codes (world Customs Harmonised System) UNCTAT / WTO Critical role of dedicated SPI





### Activities

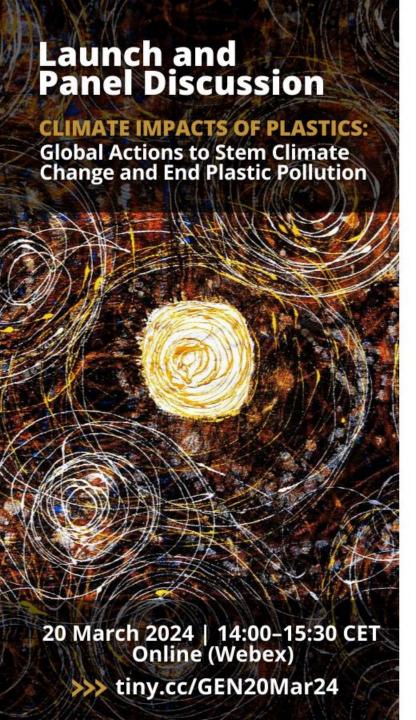
- Review of background documents and scientific syntheses to the negotiation process.
- Mobilisation of scientific experts for the Plastics Treaty
- Participation and representation in webinars and side-events relating to the Plastics Treaty.
- Engagement with government delegates on scientific questions



Https://ikhapp.orgscientistscoalition



INC 4 Side event on Alternatives and substitutes University of Plymouth, Friday 26<sup>th</sup> April (lunchtime)



Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

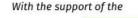
# Opening Remarks Presentation of the Report Panel Discussion

- Karl HOLMBERG | STEPS Sustainable Plastics and Transition Pathways, Lund University
- Max MOHAMMADI | Founder, CTO and ChairmanFounder, PlasticFri
- Daniela DURAN | Senior Legal Campaigner, Upstream Plastics Treaty, Center for International Environmental Law (CIEL)
- Richard THOMPSON | Professor of Marine Biology, Director of the University of Plymouth's Marine Institute | Scientists' Coalition for an Effective Plastics Treaty
- Kartik VERMA | Plastic Action Facilitator, Children and Youth Major Group (CYMG)
- Lena ESTRADA | Indigenous Peoples Representative, Major Groups Facilitating Committee of the United Nations Environment Programme (UNEP)

### Q&A Closing









Launch and

Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution



### Kartik VERMA

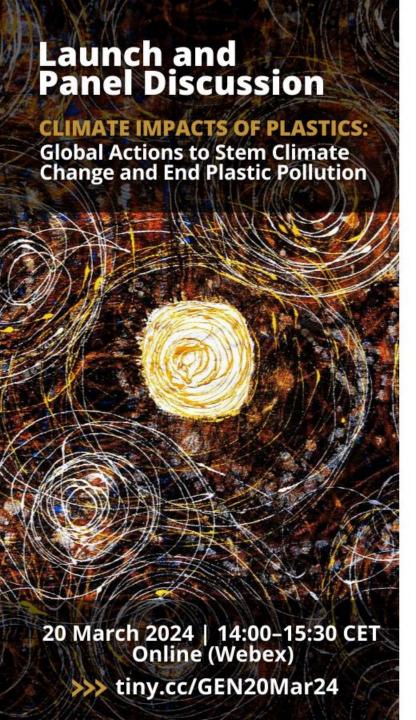


Plastic Action Facilitator, Children and Youth Major Group (CYMG)

20 March 2024 | 14:00-15:30 CET Online (Webex)



With the support of the **BEAT PLASTIC POLLUTION** DIALOGUES



Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

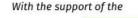
# Opening Remarks Presentation of the Report Panel Discussion

- Karl HOLMBERG | STEPS Sustainable Plastics and Transition Pathways, Lund University
- Max MOHAMMADI | Founder, CTO and ChairmanFounder, PlasticFri
- Daniela DURAN | Senior Legal Campaigner, Upstream Plastics Treaty, Center for International Environmental Law (CIEL)
- Richard THOMPSON | Professor of Marine Biology, Director of the University of Plymouth's Marine Institute | Scientists' Coalition for an Effective Plastics Treaty
- Kartik VERMA | Plastic Action Facilitator, Children and Youth Major Group (CYMG)
- Lena ESTRADA | Indigenous Peoples Representative, Major Groups Facilitating Committee of the United Nations Environment Programme (UNEP)

### Q&A Closing









Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution



### Lena ESTRADA

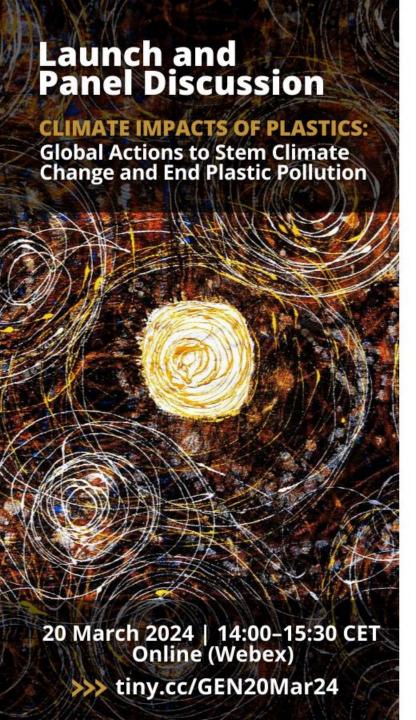
Indigenous Peoples Representative, Major Groups Facilitating Committee of the United Nations Environment Programme (UNEP)

20 March 2024 | 14:00-15:30 CET Online (Webex)





With the support of the BEAT PLASTIC POLLUTION DIALOGUES



Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

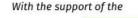
# Opening Remarks Presentation of the Report Panel Discussion

- Karl HOLMBERG | STEPS Sustainable Plastics and Transition Pathways, Lund University
- Max MOHAMMADI | Founder, CTO and ChairmanFounder, PlasticFri
- Daniela DURAN | Senior Legal Campaigner, Upstream Plastics Treaty, Center for International Environmental Law (CIEL)
- Richard THOMPSON | Professor of Marine Biology, Director of the University of Plymouth's Marine Institute | Scientists' Coalition for an Effective Plastics Treaty
- Kartik VERMA | Plastic Action Facilitator, Children and Youth Major Group (CYMG)
- Lena ESTRADA | Indigenous Peoples Representative, Major Groups Facilitating Committee of the United Nations Environment Programme (UNEP)

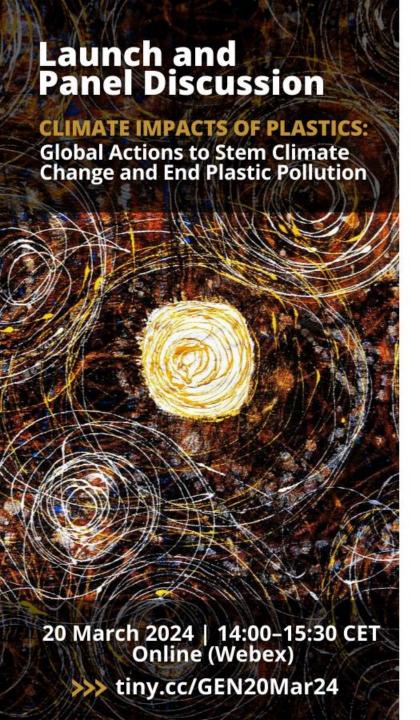
### Q&A Closing











Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

**Opening Remarks** 

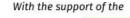
**Presentation of the Report** 

**Panel Discussion** 

Q&A

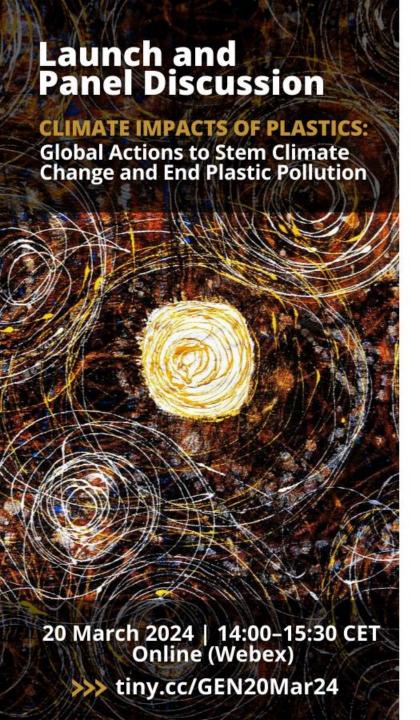












Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

**Opening Remarks** 

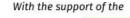
**Presentation of the Report** 

**Panel Discussion** 

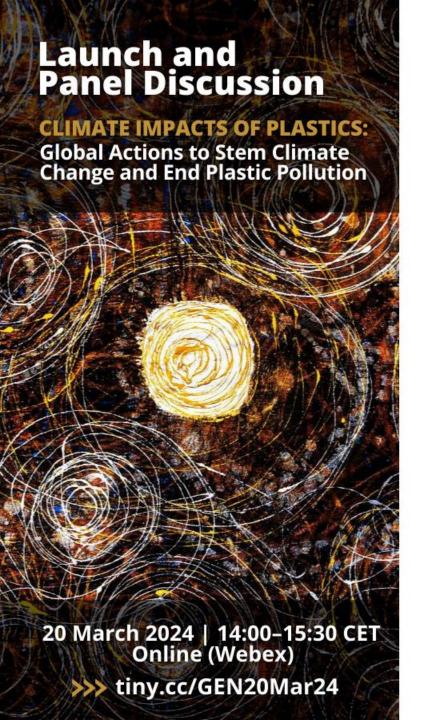
Q&A











Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

**Opening Remarks** 

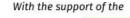
**Presentation of the Report** 

**Panel Discussion** 

Q&A

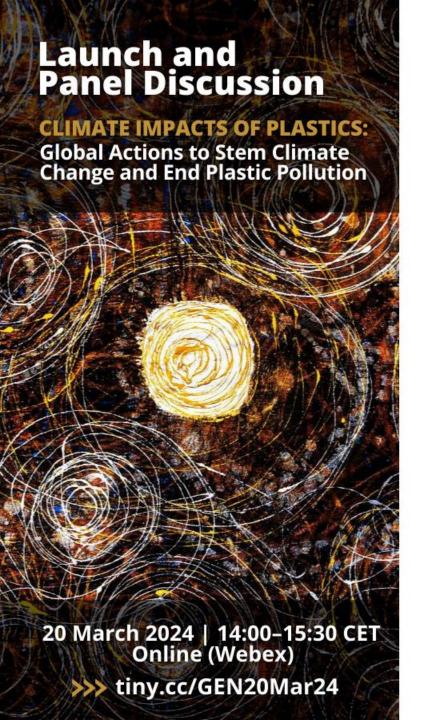












Moderated by Carolyn DEERE BIRKBECK | Executive Director, Forum on Trade, Environment & SDGs (TESS)

**Opening Remarks** 

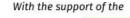
**Presentation of the Report** 

**Panel Discussion** 

Q&A









Launch and CLIMATE IMPACTS OF PLASTICS:
Panel Discussion Global Actions to Stem Climate Change and End Plastic Pollution

### THANK YOU!



### H.E. Amb. Luke DAUNIVALU



Permanent Representative of Fiji to the United Nations Office and other international organizations in Geneva



### Natalia SKRIPNIKOVA



Expert, Transboundary Governance and Environmental Crime, GRID-Arendal



### Eirin HUSABØ



Associate Expert, Waste and Marine Litter, GRID-Arendal



### Karen RAUBENHEIMER



Lecturer at Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong

Senior Legal Campaigner, Upstream



### Karl HOLMBERG



STEPS - Sustainable Plastics and Transition Pathways, Lund University



### Max MOHAMMADI



Founder, CTO & Chairman, PlasticFri



### Daniela DURAN

Plastics Treaty, CIEL

Lena ESTRADA



Richard THOMPSON



Kartik VERMA



Professor of Marine Biology, Director of the University of Plymouth's Marine Institute | Scientists' Coalition for an Effective Plastics Treaty



### Carolyn DEERE BIRKBECK TESS



Plastic Action Facilitator, Children and Youth Major Group (CYMG)



Indigenous Peoples Representative, Major Groups Facilitating Committee of the UN Environment Programme (UNEP) Executive Director, Forum on Trade, Environment & SDGs (TESS) Moderator

>>> tiny.cc/GEN20Mar24

20 March 2024 | 14:00-15:30 CET Online (Webex)



GENEVA ENVIR NMENT

BEAT PLASTIC POLLUTION DIALOGUES

# NEXT ON GENEVA BEAT PLASTIC POLLUTION DIALOGUES



### CONFERENCE

Biodiversity and the Global Plastics Treaty: IUCN's Proposal for a Specific Article on "Biodiversity Aspects" in the Future Treaty

26 MAR 2024 13:00 - 14:30 International Environment House I. Room 3 & Online | Webex IUCN, GEN

Chemicals and Pollution | Nature | Plastics

O SDG12 SDG14 SDG15



### VIRTUAL

Chemicals in the Plastics Treaty: Perspectives on Protecting Human Health

28 MAR 2024 12:00 - 13:30 Online | Webex IPEN, GEN

 Chemicals and Pollution | Plastics O SDG3 | SDG12



### VIRTUAL

**Plastics Pollution and Environmentally Sustainable Plastics Trade: Call for Action** 

09 APR 2024 14:00 - 15:30 Online I Webex WTO, GEN

O Chemicals and Pollution | Plastics O SDG3 SDG12

# >>> tiny.cc/GENBeatPlasticPollution









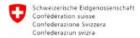




















# **BIODIVERSITY AND THE GLOBAL PLASTICS TREATY:**

IUCN's Proposal for a Specific Article on *Biodiversity Aspects* in the Future Treaty

26 MARCH 2024 | 13:00 - 14:30 CET | IEH I, ROOM 3 & ONLINE (WEBEX)









BEAT WASTE POLLUTION

# The International Geneva Day of Zero Waste Celebration

27 MARCH 2024 | 14:00 - 15:30 CET | PALAIS DES NATIONS, ROOM VIII & ONLINE

> TINY.CC/GEN27MAR24

With the participation of





























With the support of the

GENEVA

BEAT PLASTIC POLLUTION

DIALOGUES

# Launch and Panel Discussion

## **CLIMATE IMPACTS OF PLASTICS:**

Global Actions to Stem Climate Change and End Plastic Pollution

20 March 2024 | 14:00-15:30 CET | Online (Webex)

>>> tiny.cc/GEN20Mar24

