

# Global NIP Update Webinar 1

## The BASICS

### of the National Implementation Plan (NIP)

# Role of the NIP at national level (1)

Serves as **national strategic document** for implementation of SC at national level

Ensures **mainstreaming** of SC related chemicals and wastes management into national and sectoral strategies and plans

## Main roles

Supports attracting the **external financial resources** for SC Implementation through priority identification

Serves as **basis for national budget allocation** for SC implementation at national level

Supports the Parties in meeting their **reporting obligations** under the SC, through the baseline data and information provided

Ensures **mainstreaming** of SC related scientific and monitoring data needs into the national research and monitoring programmes

## Main roles

Triggers:

- the **development, review and update** of **relevant national legislation** for SC implementation
- an **integrated approach** for chemicals and wastes management
- **establishment of national coordination mechanisms** that could serve as overarching mechanism for the implementation of chemicals and waste management agenda

Brings further clarity into the **interlinkages between chemicals and wastes and SDGs, SAICM, climate change, biodiversity** etc

## Role of the NIP at national level (2)

### **Provides Clarity**

Gives Parties a clarity of thought and improves their understanding on the POPs presence and impact dimension at national level. This enables to better document as well as communicate the plan to all relevant stakeholders and get everyone on board with the selected implementation strategy.

### **Keeps Relevant Stakeholders on Track**

The Implementation Plan lays down exactly what tasks need to be done, how to do them, who needs to do them, keeping all relevant stakeholders on board, and removing any sort of confusion or doubts. When relevant stakeholders know what their roles and responsibilities are, it's easier to stay on track and keep everyone accountable.

## **Benefits**

### **Improved Cooperation**

Successful implementation of the plan requires the cooperation and collaboration of many stakeholders. The better the cooperation amongst the stakeholders, the better the synergy and the overall execution of the plan.

### **Increased Buy-In**

Having a solid Implementation Plan that is well researched, documented, and presented, the buy-in from all key stakeholders, ensuring easier access to resources and ensuring smooth activities execution.

# Different uses of POPs data at national level

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- Comply with the reporting obligations under the Stockholm Convention
  - Evidence basis for policy and decision-making as regards to POPs management
  - Mainstream the environment protection into sectoral policies, plans, programmes
  - Background information for discussing and attracting external and internal donors
  - Background information for development of new projects, including GEF projects
  - Informing the relevant government ministries, agencies, industry, NGOs, general public on status of POPs elimination/reduction
  - Designing and/or further strengthening the national monitoring and research and development on POPs
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# NIP structure and information to be reflected in its chapters (1)



## Guidance for Developing a National Implementation Plan for the Stockholm Convention on Persistent Organic Pollutants

2017

Secretariat of the Basel, Rotterdam and Stockholm Conventions

### Annex 10: Recommended Elements for Consideration in Outline of NIP

In the case of NIP review and updating, Parties will typically focus on reassessing national priorities (e.g. new priorities due to new POPs, earlier priorities in the initial/last updated NIP); updating of earlier action plans to reflect progress made in implementation and to include additional newly listed POPs where relevant; and developing separate new action plans for newly listed POPs as necessary.

#### National Implementation Plan for Persistent Organic Pollutants

##### Executive summary

The executive summary would provide a concise overview of the major points in the NIP, two to four pages in length, suitable for circulation as a stand-alone document. It would typically cover a country's commitment to implement a NIP, implementation progress to date, the objectives of the Convention, (updated) national priorities and key issues, (updated) targets for implementation, and (updated) resource requirements.

##### 1. Introduction

Chapter 1 would outline the purpose and structure of the NIP, including a summary of the Stockholm Convention, its aims, and obligations. It would describe the mechanism used to develop or review/update the NIP and the stakeholder consultation process. A summary of the POPs issue would provide context and background outlining the chemicals, their uses, and the problems they cause. Brief details on progress to date in implementing the Convention could also be included.

##### 2. Country baseline

Chapter 2 would provide basic background information relevant to the NIP. It would describe the current situation and state of knowledge in the country about POPs and the status of institutional and other capacity to address the problem. For countries that are updating their NIP, a revision of the former profiles could also be assessed and included as baseline information.

##### 2.1 Country profile

This subchapter would give a brief country profile in order to place the NIP strategies and action plans in a country-specific context. It would summarize information on geography and population, membership in regional and subregional organizations, the country's political and economic profile, profiles of potentially important economic sectors in the context of the POPs issue, and overall environmental conditions and priorities in the country.

##### 2.2 Institutional, policy, and regulatory framework

This subchapter would describe the present overall institutional framework within which the NIP would be implemented. It would also cover more detailed baseline information about the POPs issue such as the status of action and implementation activities under related Conventions or regional and subregional agreements. It can also describe the participation of national sectors in NIP implementation.

##### 2.2.1 Policy framework

##### 2.2.2 Regulatory framework

##### 2.2.3 Stakeholders roles

##### 2.3 Assessment of the POPs issue in the country

This subchapter would contain specific information on POPs listed under the three annexes of the Stockholm Convention, including: historical, current, and projected future production, use, import, export and waste management; existing policy and regulatory framework.

##### 2.3.1 Assessment of POPs pesticides (Annex A, Part I)

##### 2.3.2 Assessment of PCBs (Annex A, Part II)

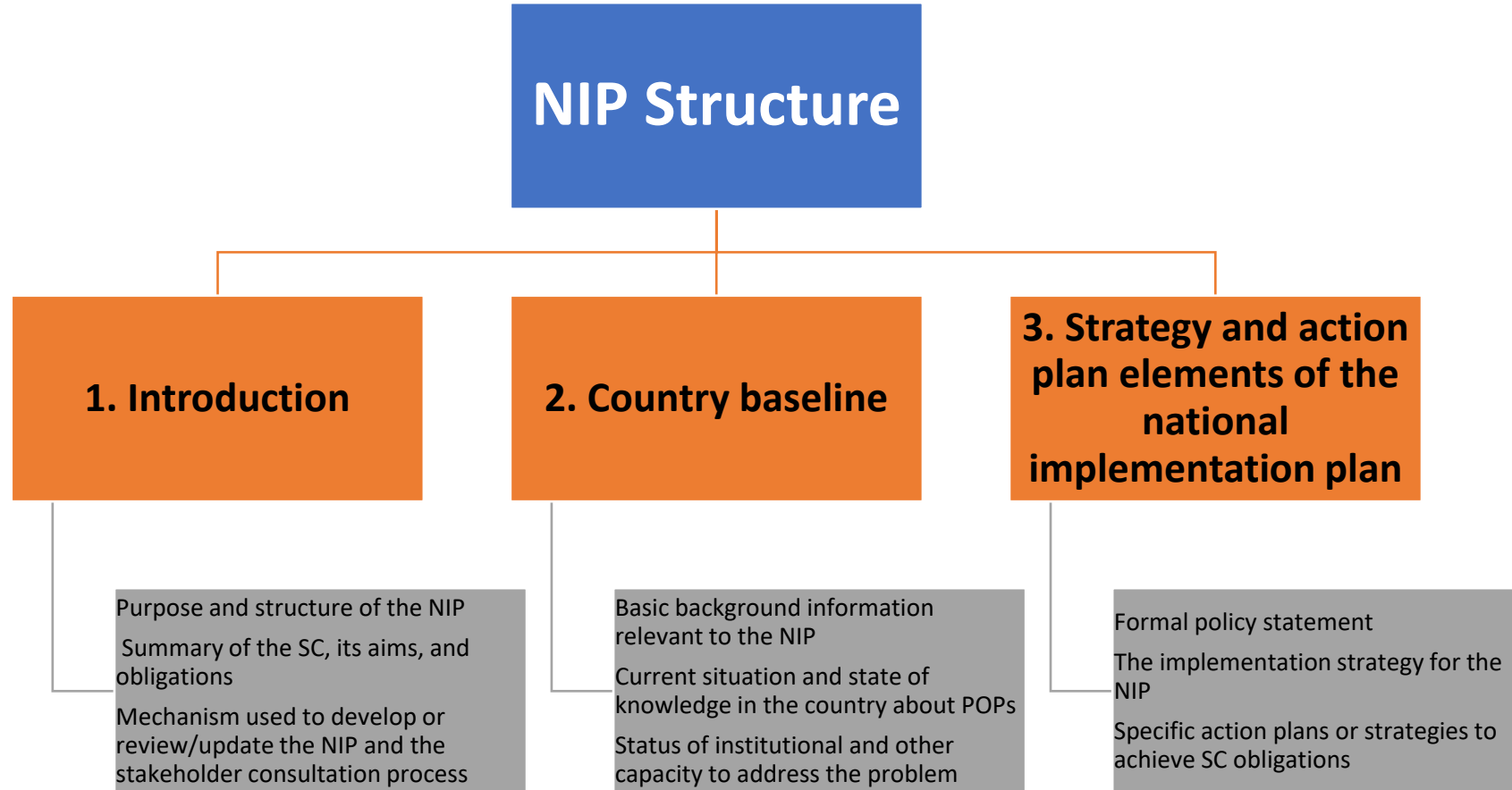
##### 2.3.3 Assessment of POP-PBDEs (Annex A, Part IV and Part V), HCB (Annex A, Part I) and HBCD (Annex A, Part I and Part VI)

##### 2.3.4 Assessment of HCBD (Annex A, Part I)

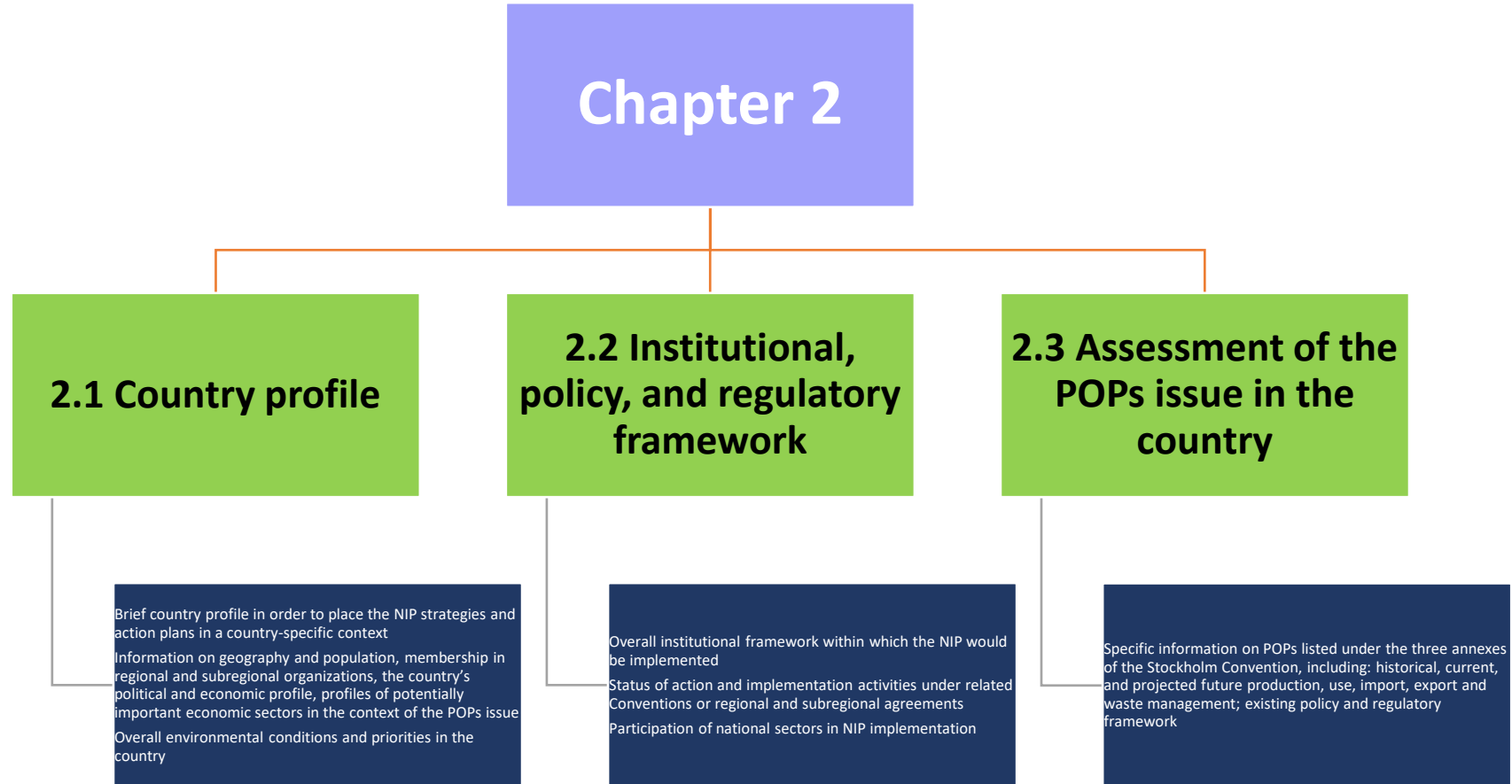
##### 2.3.5 Assessment of POPs (Annex A, part II)

##### 2.3.6 Assessment with respect to DDT (Annex B, Part II)

# NIP structure and information to be reflected in its chapters (2)

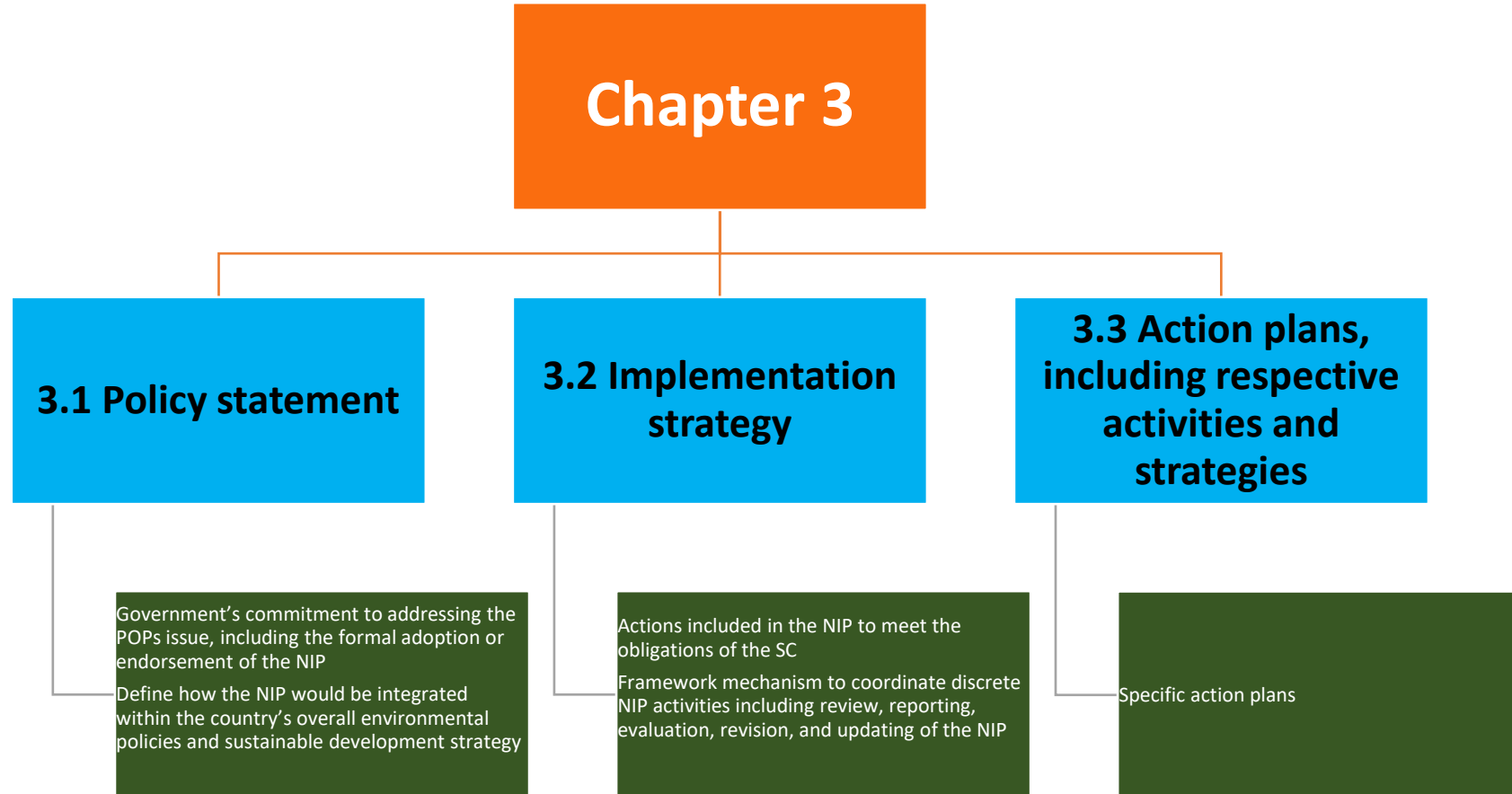


# NIP structure and information to be reflected in its chapters (3)



# NIP structure and information to be reflected in its chapters (4)

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# Inventories to be developed during the NIP update

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1. Inventory of POPs pesticides
  2. Inventory of Pentachlorophenol, its salts and esters (PCP)
  3. Inventory of Polychlorinated biphenyls (PCBs)
  4. Inventory of Polybromodiphenyl ethers (POP-PBDEs) – HBB, c-octaBDE and c-pentaBDE
  5. Inventory of Hexabromocyclododecane (HBCD)
  6. Inventory of Decabromodiphenyl ether (c-Deca-BDE)
  7. Inventory of Hexachlorobutadiene (HCBd)
  8. Inventory of Polychlorinated naphthalenes (PCNs)
  9. Inventory of Short chain chlorinated paraffins (SCCPs)
  10. Inventory of Dicofol
  11. Inventory of Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
  12. Inventory of Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds
  13. Inventory of DDT
  14. Inventory of Perfluorooctane sulfonic acid, its salts and perfluorooctane sulfonyl fluoride (PFOS, its salts and PFOSF)
  15. Inventory of Annex C Persistent Organic Pollutants
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# POPs Pesticides

Aldrin	Annex A	No specific exemption/acceptable purpose
Chlordane	Annex A	No specific exemption/acceptable purpose
Chlordecone	Annex A	No specific exemption/acceptable purpose
Dicofol	Annex A	No specific exemption/acceptable purpose
Dieldrin	Annex A	No specific exemption/acceptable purpose
Endrin	Annex A	No specific exemption/acceptable purpose
Heptachlor	Annex A	No specific exemption/acceptable purpose
Hexachlorobenzene	Annex A	No specific exemption/acceptable purpose
Alpha hexachlorocyclohexane	Annex A	No specific exemption/acceptable purpose
Beta hexachlorocyclohexane	Annex A	No specific exemption/acceptable purpose
Lindane	Annex A	No specific exemption/acceptable purpose
Mirex	Annex A	No specific exemption/acceptable purpose
Pentachlorobenzene	Annex A	No specific exemption/acceptable purpose
Pentachlorophenol and its salts and esters	Annex A	Specific exemption (no registration is allowed anymore)
Technical endosulfan and its related isomers	Annex A	Specific exemption (no registration is allowed anymore)
Toxaphene	Annex A	No specific exemption/acceptable purpose
DDT	Annex B	Acceptable purpose
Perfluorooctane sulfonic acid, its salts and perfluorooctane sulfonyl fluoride	Annex B	Acceptable purpose

# Objectives of the POPs pesticides inventory

Review and summarize the production, use, import and export, disposal of the pesticides listed in Annexes A and B of the Convention

Gather information on stockpiles and wastes containing, or thought to contain, POPs pesticides

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the pesticide wastes listed in Annexes A and B of the Convention

Identify gaps in information required to complete the assessment

Identify suitable alternative products, methods and strategies to the POPs pesticides

Determine need of exemptions and register for those POPs pesticides that exemptions are still allowed

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential POPs pesticides contaminated sites

# Quantitative data to be generated for POPs pesticides

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production	POPs pesticides produced	Tonnes	Data requested by Art. 15 report
Import/export	POPs pesticides imported/exported	Tonnes	Data requested by Art. 15 report
	POPs pesticides containing waste imported/exported for environmental sound disposal	Tonnes	
Use	POPs pesticides used	Tonnes	
Stockpiles	POPs pesticides stockpiles stored	Tonnes	
Waste stockpiles	POPs pesticides containing waste stockpiles	Tonnes	Data requested by Art. 15 report
Contaminated sites	Potentially contaminated/contaminated sites	Number	



# Pentachlorophenol, its salts and esters

Listed in Annex A with  
specific exemption for  
production and use in utility  
poles and cross-arms (no  
registration for specific  
exemptions is allowed  
anymore)

# Pentachlorophenol, its salts and esters listed under Stockholm Convention

	CAS No:
Pentachlorophenol	87-86-5
Sodium pentachlorophenate	131-52-2
As monohydrate	27735-64-4
Pentachlorophenyl laurate	3772-94-9
Pentachloroanisole	1825-21-4

# Objectives of the PCP inventory

Review and summarize the use, import and export for environmental sound disposal for PCP, its salts and esters

Gather information on stockpiles and wastes containing, or thought to contain PCP, its salts and esters

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the PCP, its salts and esters

Identify gaps in information required to complete the assessment

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential PCP, its salts and esters contaminated sites

# Quantitative data to be generated for PCP, its salts and esters

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical/current)	PCP, its salts and esters produced	Tonnes	Data requested by Art. 15 report
Import/export (historical/current)	PCP, its salts and esters imported/exported	Tonnes	Data requested by Art. 15 report
	PCP, its salts and esters treated timber imported/exported (for utility poles and cross-arms)	Tonnes	
	PCP, its salts and esters containing waste imported/exported for environmental sound disposal	Tonnes	
Use (historical/current)	PCP, its salts and esters used, especially for timber treatment (for utility poles and cross-arms)	Tonnes	
	PCP, its salts and esters treated timber in use (for utility poles and cross-arms)	Tonnes	
Stockpiles	PCP, its salts and esters stockpiles stored	Tonnes	
Waste stockpiles	PCP containing waste stockpiles (especially from timber treatment (for utility poles and cross-arms))	Tonnes	Data requested by Art. 15 report
Contaminated sites	Potentially contaminated/contaminated sites	Number	



# Polychlorinated Biphenyls (PCBs)



Listed under Annexes A and C



2025 – remove PCBs  
containing equipment from  
use



2028 – completely eliminate  
the PCBs containing wastes

# Objectives of the PCBs inventory

Review and summarize the use, import and export for environmental sound disposal for PCBs in closed and open applications

Gather information on stockpiles and wastes containing, or thought to contain PCBs from closed and open applications

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the PCBs in closed and open applications

Identify gaps in information required to complete the assessment

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential PCBs contaminated sites

# Quantitative data to be generated for PCBs in closed applications

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical)	PCBs produced	Tonnes	Data requested by Art. 15 report
Import/export for environmentally sound disposal	PCBs imported/exported	Tonnes	Data requested by Art. 15 report
Use/ Stockpiles/ Waste stockpiles	Equipment in service/ out of service	Number	Data requested by Art. 15 report
	Mass of equipment in service/out of service	Tonnes	Data requested by Art. 15 report
	Mass of liquids (oil) of equipment in service/out of service	Tonnes	Data requested by Art. 15 report
	PCB content in oil of equipment in service/out of service	Percentage (%)	Data requested by Art. 15 report
Waste disposal	PCBs containing waste stockpiles locally destroyed	Tonnes	Data requested by Art. 15 report
	PCBs containing waste stockpiles destroyed abroad	Tonnes	Data requested by Art. 15 report
Contaminated sites	Potentially contaminated/contaminated sites	Number	

# Information and data for PCBs in open applications



Information on former PCBs production for open applications



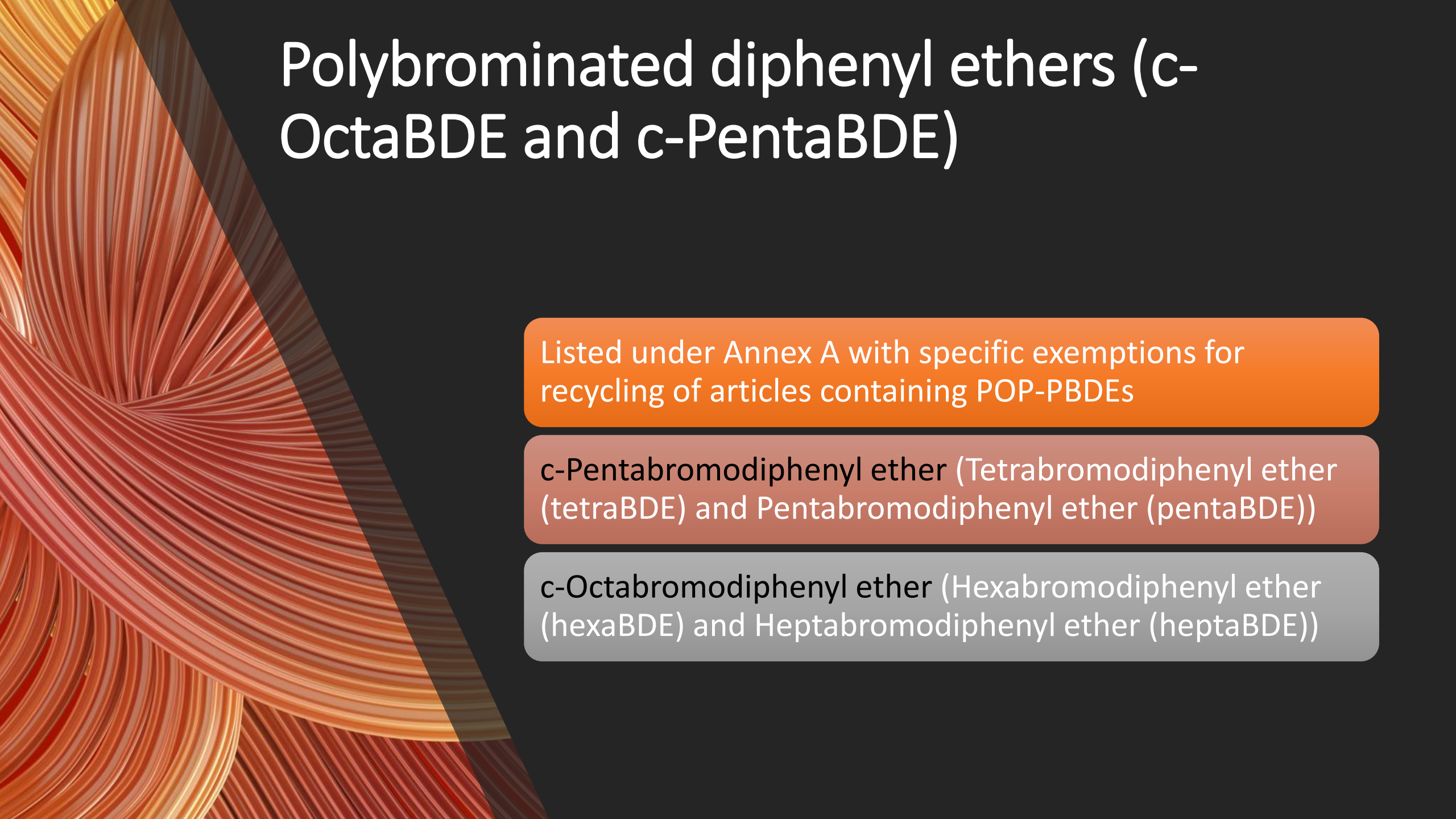
Information on former PCBs import/export in open applications



Information on former PCBs use in open applications: Caulks / sealants; Paints / plasters; Anti-corrosion coatings; Cable-sheaths; Cable insulation; Lubricating fluids; Adhesives; Flame retardants; Floor finish; Carbonless copy paper; Fluorescent light ballasts and small capacitors (products that may still contain PCBs)



Information on PCB from open applications in wastes



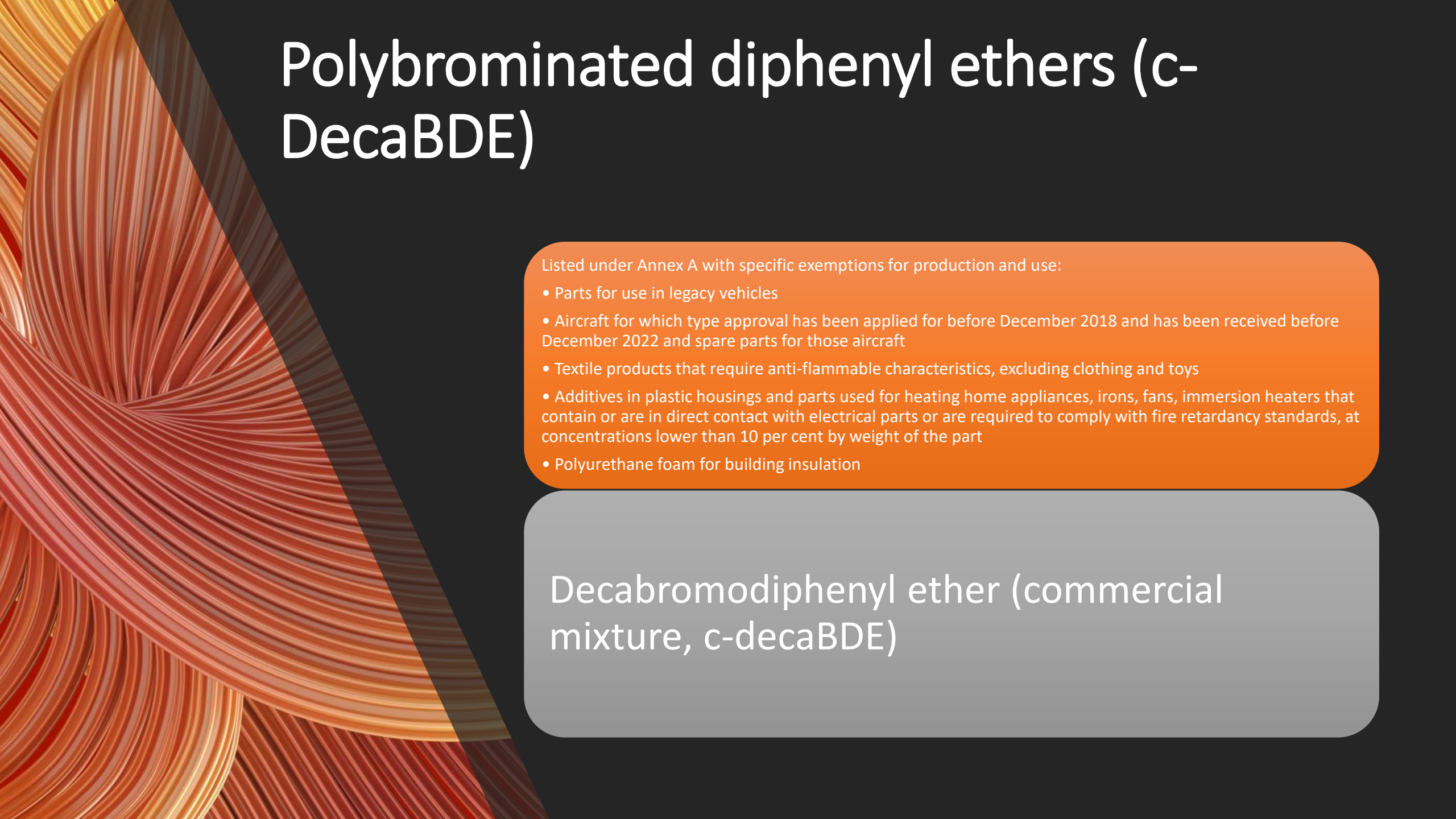
# Polybrominated diphenyl ethers (c-OctaBDE and c-PentaBDE)

Listed under Annex A with specific exemptions for recycling of articles containing POP-PBDEs

c-Pentabromodiphenyl ether (Tetrabromodiphenyl ether (tetraBDE) and Pentabromodiphenyl ether (pentaBDE))

c-Octabromodiphenyl ether (Hexabromodiphenyl ether (hexaBDE) and Heptabromodiphenyl ether (heptaBDE))





# Polybrominated diphenyl ethers (c-DecaBDE)

Listed under Annex A with specific exemptions for production and use:

- Parts for use in legacy vehicles
- Aircraft for which type approval has been applied for before December 2018 and has been received before December 2022 and spare parts for those aircraft
- Textile products that require anti-flammable characteristics, excluding clothing and toys
- Additives in plastic housings and parts used for heating home appliances, irons, fans, immersion heaters that contain or are in direct contact with electrical parts or are required to comply with fire retardancy standards, at concentrations lower than 10 per cent by weight of the part
- Polyurethane foam for building insulation

Decabromodiphenyl ether (commercial mixture, c-decaBDE)

# Objectives of the POP-PBDEs inventory

Review and summarize the production, use, import and export for POP-PBDEs

Gather information on stockpiles and wastes containing, or thought to contain POP-PBDEs

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the POP-PBDEs

Identify gaps in information required to complete the assessment

Determine need of exemptions and register for the exemptions still allowed

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential POP-PBDEs contaminated sites

# Quantitative data to be generated for tetra-, penta-, hexa- and heptaBDEs

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical)	POP-PBDEs produced	Tonnes	Data requested by Art. 15 report
Import/export	POP-PBDEs imported/exported (historical)	Tonnes	Data requested by Art. 15 report
	POP-PBDEs in articles/products (EEE and vehicles) imported/exported	Tonnes	
	POP-PBDE containing waste imported/exported (WEEE and ELVs) for environmental sound disposal	Tonnes	
Use	POP-PBDEs used to manufacture article/products (EEE and vehicles) (historical)	Tonnes	
	POP-PBDEs in article/products (EEE and vehicles) in use	Tonnes	Data requested by Q III of the Reporting format for the submission of information for the evaluation and review of brominated diphenyl ethers pursuant to paragraph 2 of parts IV and V of Annex A to the Stockholm Convention
	Polymeric fraction containing POP-PBDEs (contained in EEE and vehicles)	Tonnes	Data requested by Q III of the Reporting format for the submission of information for the evaluation and review of brominated diphenyl ethers pursuant to paragraph 2 of parts IV and V of Annex A to the Stockholm Convention



# Quantitative data to be generated for tetra-, penta-, hexa- and heptaBDEs

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Stockpiles	POP-PBDEs in stockpiled article/products (EEE and vehicles)	Tonnes	Data requested by Q V of the Reporting format for the submission of information for the evaluation and review of brominated diphenyl ethers pursuant to paragraph 2 of parts IV and V of Annex A to the Stockholm Convention
	Polymeric fraction containing POP-PBDEs (contained in EEE and vehicles)	Tonnes	
Recycling	POP-PBDEs containing articles/products (EEE and vehicles) recycled	Tonnes	
	Articles/products produced from recycled articles/products containing POP-PBDEs	Tonnes	
Waste stockpiles	POP-PBDEs containing wastes stockpiles (wastes of electric and electronics equipment (WEEE) and end-of-life vehicles (ELVs))	Tonnes	Data requested by Art. 15 report
	Polymeric fraction containing POP-PBDEs, (contained in WEEE and ELVs)	Tonnes	
Contaminated sites	Potentially contaminated/contaminated sites	Number	

# Quantitative data to be generated for decaBDE (commercial mixture)

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical/current)	DecaBDE produced	Tonnes	Data requested by Art. 15 report
Import/Export	DecaBDE imported/exported (historical/current)	Tonnes	Data requested by Art. 15 report
	DecBDE in articles/products (EEE, textiles, insulation foams, vehicles) imported/exported	Tonnes	
	DecaBDE containing waste imported/exported (WEEE, textiles, insulation foams and ELVs) for environmental sound disposal	Tonnes	
Use (historical/current)	DecaBDE used to manufacture article/products (EEE, textiles, insulation foams, vehicles) (historical/current)	Tonnes	
	DecaBDE in article/products (EEE, textiles, insulation foams, vehicles) in use	Tonnes	
	Polymeric fraction containing DecaBDE (contained in EEE and vehicles)	Tonnes	

# Quantitative data to be generated for decaBDE (commercial mixture)

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Stockpiles	DecaBDE in stockpiled article/products (EEE, textile, insulation foam and vehicles)	Tonnes	
	Polymeric fraction containing DecaBDEs (contained in EEE and vehicles)	Tonnes	
Recycling	DecaBDE containing articles/products (EEE, textiles, insulation foam and vehicles) recycled	Tonnes	
	Articles/products produced from recycled articles/products containing DecaBDE	Tonnes	
Waste stockpiles	DecaBDE containing wastes stockpiles (WEEE, textiles, insulation foams and ELVs)	Tonnes	Data requested by Art. 15 report
	Polymeric fraction containing DecaBDE (contained in WEEE and ELVs)	Tonnes	
Contaminated sites	Potentially contaminated/contaminated sites	Number	



## Hexabromocyclododecane (HBCD)

- Listed under Annex A with specific exemption for production and use in expanded polystyrene and extruded polystyrene in buildings (no registration for specific exemptions is allowed anymore)

# Objectives of the HBCD inventory

Review and summarize the production, use, import and export for HBCD

Gather information on stockpiles and wastes containing, or thought to contain HBCD

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the HBCD

Identify gaps in information required to complete the assessment

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential HBCD contaminated sites



# Quantitative data to be generated for HBCD

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical/current)	HBCD produced	Tonnes	Data requested by Art. 15 report
Import/export	HBCD imported/exported (as powder or pellets, as masterbatches, as HBCD containing EPS beads and high impact polystyrene (HIPS) pellets)	Tonnes	Data requested by Art. 15 report
	HBCD in articles/products imported/exported (especially EPS and XPS in construction sector and flame retarded textile applications)	Tonnes	
	HBCD containing waste imported/exported for environmental sound disposal	Tonnes	
Use	HBCD used to manufacture article/products (historical/current, especially EPS and XPS in construction sector and flame retarded textile applications)	Tonnes	
	HBCD in article/products in use (especially EPS and XPS in construction sector and flame retarded textile applications)	Tonnes	

# Quantitative data to be generated for HBCD

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Recycling	EPS/XPS materials containing HBCD recycled	Tonnes	
	Articles/products made from recycled HBCD containing materials	Tonnes	
	Content of HBCD in articles/products made from recycled materials	Mg/Kg	
Waste stockpiles ((a) HBCD as chemical; (b) HBCD containing mixtures and articles; (c) HBCD-containing waste from demolition; d) HBCD-containing other wastes; (e) waste generated during recycling	HBCD containing waste stockpiles	Tonnes	Data requested by Art. 15 report
	Related HBCD content	Percentage (%)	
Contaminated sites	Potentially contaminated/contaminated sites	Number	



# Hexachlorobutadiene (HCBD)

Listed under Annex A without specific  
exemptions/acceptable purposes and  
Annex C



# Objectives of the HCBD inventory

Review and summarize the production, use, import and export for HCBD

Gather information on stockpiles and wastes containing, or thought to contain HCBD

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the HCBD

Identify gaps in information required to complete the assessment

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential HCBD contaminated sites

# Quantitative data to be generated for HCBD

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production as by-product from chlorinated hydrocarbons production (historical/current)	HCBD produced (historical)	Tonnes	Data requested by Art. 15 report
	HCBD by-product	Tonnes	
	Related HCBD content	Percentage (%)	
Import/export (historical/current)	HCBD imported/exported as by-product (especially for use in agricultural sector, industrial manufacture, purification of gas streams and electrical equipment)	Tonnes	Data requested by Art. 15 report
	HCBD containing products and articles imported/exported	Tonnes	
	HCBD containing waste imported/exported for environmental sound disposal	Tonnes	

# Quantitative data to be generated for HCBD

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Use (historical/current)	HCBD used as by-product (especially for use in agricultural sector, industrial manufacture, purification of gas streams, electrical equipment and re-distillation and reutilization in the production process (only in case of closed applications))	Tonnes	
	HCBD used to manufacture article/products (especially transformers, heat exchange and hydraulic fluids)	Tonnes	
	HCBD containing products and articles in use (especially transformers, heat exchange and hydraulic fluids)	Tonnes	
Waste stockpiles	HCBD containing waste stockpiles	Tonnes	Data requested by Art. 15 report
	Related HCBD content	Percentage (%)	
Contaminated sites	Potentially contaminated/contaminated sites	Number	



# Polychlorinated naphthalenes (PCNs)

- Listed under Annex A and C with specific exemptions for use in the production of polyfluorinated naphthalenes, including octafluoronaphthalene

# PCNs listed in Stockholm Convention

PCNs name	CAS number	Molecular formula
Dichloronaphthalene	28699-88-9	C <sub>10</sub> H <sub>6</sub> Cl <sub>2</sub>
Trichloronaphthalene	1321-65-9	C <sub>10</sub> H <sub>5</sub> Cl <sub>3</sub>
Tetrachloronaphthalene	1335-88-2	C <sub>10</sub> H <sub>4</sub> Cl <sub>4</sub>
Pentachloronaphthalene	1321-64-8	C <sub>10</sub> H <sub>3</sub> Cl <sub>5</sub>
Hexachloronaphthalene	1335-87-1	C <sub>10</sub> H <sub>2</sub> Cl <sub>6</sub>
Heptachloronaphthalene	32241-08-0	C <sub>10</sub> HCl <sub>7</sub>
Octachloronaphthalene	2234-13-1	C <sub>10</sub> Cl <sub>8</sub>

**PCNs were replaced by PCBs and PCBs were replaced by SCCPs – Regrettable substitution**

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# Objectives of the PCN inventory

Review and summarize the production, use, import and export for PCNs

Gather information on stockpiles and wastes containing, or thought to contain PCNs

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the PCNs

Identify gaps in information required to complete the assessment

Determine need of exemptions and register for the exemptions still allowed

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential PCNs contaminated sites

# Quantitative data to be generated for PCNs

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical/current)	PCNs produced (for using as intermediate for the production of polyfluorinated naphthalenes (PFNs) or for other purposes)	Tonnes	Data requested by Art. 15 report
Import/export (historical/current)	PCNs imported/exported	Tonnes	Data requested by Art. 15 report
	PCN in articles/products imported/exported	Tonnes	
	PCN containing waste imported/exported for environmental sound disposal	Tonnes	
Use (historical/current)	PCNs used (as intermediate for the production of polyfluorinated naphthalenes (PFNs) or for other purposes like electrical cables, leather jacket, cable sheaths)	Tonnes	
	PCN in articles/products in use	Tonnes	
Waste stockpiles	PCN containing waste stockpiles (especially cables containing PCNs, including POP-PBDEs and PCBs)	Tonnes	Data requested by Art. 15 report
	Related PCNs content, including POP-PBDEs and PCBs	ppm	
Contaminated sites	Potentially contaminated/contaminated sites	Number	



# Short-chained chlorinated paraffins (SCCPs)

Listed under Annex A with specific exemptions for production and use in:

- a) Additives in the production of transmission belts in the natural and synthetic rubber industry
- b) Spare parts of rubber conveyor belts in the mining and forestry industries
- c) Leather industry, in particular fatliquoring in leather
- d) Lubricant additives in particular for engines of automobiles, electric generators and wind power facilities, and for drilling in oil and gas exploration, petroleum refinery to produce diesel oil
- e) Tubes for outdoor decoration bulbs
- f) Waterproofing and fire-retardant paints
- g) Adhesives
- h) Metal processing
- i) Secondary plasticizers in flexible polyvinyl chloride, except in toys and children's products



# SCCPs listed in Stockholm Convention

Short-chain chlorinated paraffins (Alkanes, C10-13, chloro)<sup>+</sup>: straight-chain chlorinated hydrocarbons with chain lengths ranging from C10 to C13 and a content of chlorine greater than 48 per cent by weight

For example, the substances with the following CAS numbers may contain short-chain chlorinated paraffins:

CAS No. 85535-84-8;

CAS No. 68920-70-7;

CAS No. 71011-12-6;

CAS No. 85536-22-7;

CAS No. 85681-73-8;

CAS No. 108171-26-2.

*Note (i) of Part I of Annex A* “(i) Except as otherwise specified in this Convention, quantities of a chemical occurring as unintentional trace contaminants in products and articles shall not be considered to be listed in this Annex;” *does not apply to quantities of a chemical that has a plus sign (“+”) following its name in the “Chemical” column in Part I of this Annex that occurs in mixtures at concentrations greater than or equal to 1 per cent by weight. In other words, if SCCPs occurs in mixtures at concentrations greater than or equal to 1 per cent by weight are considered listed under Stockholm Convention.*

# Objectives of the SCCPs inventory

Review and summarize the production, use, import and export for SCCPs

Gather information on stockpiles and wastes containing, or thought to contain SCCPs

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the SCCPs

Identify gaps in information required to complete the assessment

Determine need of exemptions and register for the exemptions still allowed

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential SCCPs contaminated sites

# Quantitative data to be generated for SCCPs

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical/current)	SCCP produced, as allowed by the specific exemptions	Tonnes	Data requested by Art. 15 report
Import/export	SCCP imported/exported as allowed by the specific exemptions	Tonnes	Data requested by Art. 15 report
	SCCP in articles/products imported/exported	Tonnes	
	SCCP containing waste imported/exported for environmental sound disposal	Tonnes	
Use (historical/current)	SCCP used to manufacture articles/products	Tonnes	
	SCCP in articles/products in use	Tonnes	
Stockpiles	SCCP in article/products stockpiles	Tonnes	
Waste stockpiles	SCCP containing wastes stockpiles	Tonnes	Data requested by Art. 15 report
	Related SCCP content	Percentage (%)	
Contaminated sites	Potentially contaminated/contaminated sites	Number	

Chemical	Activity	Specific exemption
<p><b>PFOA, its salts and PFOA-related compounds</b> mean the following:</p> <p>(i) Perfluorooctanoic acid (PFOA; CAS No. 335-67-1), including any of its branched isomers;</p> <p>(ii) Its salts;</p> <p>(iii) PFOA-related compounds which, for the purposes of the Convention, are any substances that degrade to PFOA, including any substances (including salts and polymers) having a linear or branched perfluoroheptyl group with the moiety (C<sub>7</sub>F<sub>15</sub>)C as one of the structural elements;</p> <p>The following compounds are not included as PFOA-related compounds:</p> <p>(i) C<sub>8</sub>F<sub>17</sub>-X, where X= F, Cl, Br;</p> <p>(ii) Fluoropolymers that are covered by CF<sub>3</sub>[CF<sub>2</sub>]<sub>n</sub>-R', where R'=any group, n&gt;16;</p> <p>(iii) Perfluoroalkyl carboxylic and phosphonic acids (including their salts, esters, halides and anhydrides) with ≥8 perfluorinated carbons;</p> <p>(iv) Perfluoroalkane sulfonic acids (including their salts, esters, halides and anhydrides) with ≥9 perfluorinated carbons;</p> <p>(v) Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOSF), as listed in Annex B to the Convention.</p>	Production	<ul style="list-style-type: none"> <li>• Fire-fighting foam: None</li> <li>• For other production, as allowed for the Parties listed in the Register in accordance with the provisions of part X of Annex A</li> </ul>
	Use	<p>In accordance with the provisions of part X of Annex A:</p> <ul style="list-style-type: none"> <li>• Photolithography or etch processes in semiconductor manufacturing</li> <li>• Photographic coatings applied to films</li> <li>• Textiles for oil and water repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety</li> <li>• Invasive and implantable medical devices</li> <li>• Fire-fighting foam for liquid fuel vapour suppression and liquid fuel fires (Class B fires) in installed systems, including both mobile and fixed systems, in accordance with paragraph 2 of part X of Annex A</li> <li>• Use of perfluorooctyl iodide for the production of perfluorooctyl bromide for the purpose of producing pharmaceutical products, in accordance with the provisions of paragraph 3 of part X of Annex A</li> <li>• Manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: <ul style="list-style-type: none"> <li>○ High-performance, corrosion-resistant gas filter membranes, water filter membranes and membranes for medical textiles</li> <li>○ Industrial waste heat exchanger equipment</li> <li>○ Industrial sealants capable of preventing leakage of volatile organic compounds and PM2.5 particulates</li> </ul> </li> <li>• Manufacture of polyfluoroethylene propylene (FEP) for the production of high-voltage electrical wire and cables for power transmission</li> <li>• Manufacture of fluoroelastomers for the production of O-rings, v-belts and plastic accessories for car interiors</li> </ul>

# Objectives of the PFOA, its salts and PFOA- related compounds inventory

Review and summarize the production, use, import and export for PFOA, its salts and PFOA-related compounds

Gather information on stockpiles and wastes containing, or thought to contain PFOA, its salts and PFOA-related compounds

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the PFOA, its salts and PFOA-related compounds

Identify gaps in information required to complete the assessment

Determine need of exemptions and register for the exemptions still allowed

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential PFOA, its salts and PFOA-related compounds contaminated sites

# Quantitative data to be generated for PFOA, its salts and PFOA-related compounds

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical/current)	PFOA, its salts and PFOA-related compounds produced as allowed by the specific exemptions	Tonnes	Data requested by Art. 15 report
Import/export (historical/current)	PFOA, its salts and PFOA-related compounds imported/exported as allowed by the specific exemptions	Tonnes	Data requested by Art. 15 report
	PFOA, its salts and PFOA-related compounds in articles/products imported/exported (especially firefighting foams, textiles etc.)	Tonnes	
	PFOA, its salts and PFOA-related compounds containing waste imported/exported for environmental sound disposal	Tonnes	
Use (historical/current)	PFOA, its salts and PFOA-related compounds used to manufacture article/products as allowed by the specific exemptions	Tonnes	Data requested by Art. 15 report
	PFOA, its salts and PFOA-related compounds in article/products in use as allowed by the specific exemptions	Tonnes	
Stockpiles	PFOA, its salts and PFOA-related compounds in article/products stockpiles (especially firefighting foams, textiles wastes)	Tonnes	
Waste stockpiles	PFOA, its salts and PFOA-related compounds containing wastes stockpiles (especially firefighting foams, textiles wastes)	Tonnes	Data requested by Art. 15 report
Contaminated sites	Potentially contaminated/contaminated sites	Number	

Chemical	Activity	Specific exemption
<p><b>Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds</b></p> <p><b>“Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds” means the following:</b></p> <ul style="list-style-type: none"> <li>(i) <b>Perfluorohexane sulfonic acid (CAS No. 355-46-4, PFHxS), including branched isomers;</b></li> <li>(ii) <b>Its salts;</b></li> <li>(iii) <b>Any substance that contains the chemical moiety <math>C_6F_{13}SO_2^-</math> as one of its structural elements and that potentially degrades to PFHxS.</b></li> </ul>	<p>Production</p> <hr/> <p>Use</p>	<p>None</p> <hr/> <p>None</p>

# Objectives of the PFHxS, its salts and PFHxS-related compounds inventory

Review and summarize the production, use, import and export for PFHxS, its salts and PFHxS-related compounds

Gather information on stockpiles and wastes containing, or thought to contain PFHxS, its salts and PFHxS-related compounds

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the PFHxS, its salts and PFHxS-related compound

Identify gaps in information required to complete the assessment

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential PFHxS, its salts and PFHxS-related compounds contaminated sites



# Quantitative data to be generated for PFHxS, its salts and PFHxS-related compounds

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical)	PFHxS, its salts and PFHxS-related compounds produced	Tonnes	Data requested by Art. 15 report
Import/export (historical)	PFHxS, its salts and PFHxS-related compounds imported/exported	Tonnes	Data requested by Art. 15 report
	PFHxS, its salts and PFHxS-related compounds in articles/products imported/exported (especially firefighting foams, textiles etc.)	Tonnes	
	PFHxS, its salts and PFHxS-related compounds containing waste imported/exported for environmental sound disposal	Tonnes	
Use (historical)	PFHxS, its salts and PFHxS-related compounds used to manufacture article/products	Tonnes	Data requested by Art. 15 report
	PFHxS, its salts and PFHxS-related compounds in article/products in use	Tonnes	
Stockpiles	PFHxS, its salts and PFHxS-related compounds in article/products stockpiles (especially firefighting foams, textiles wastes)	Tonnes	
Waste stockpiles	PFHxS, its salts and PFHxS-related compounds containing wastes stockpiles (especially firefighting foams, textiles wastes)	Tonnes	Data requested by Art. 15 report
Contaminated sites	Potentially contaminated/contaminated sites	Number	

# Perfluorooctane sulfonic acid (PFOS) and related compounds



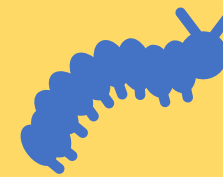
## Listed in Annex B with:



## Specific exemptions for production and use in:

Metal plating (hard-metal plating) only in closed-loop systems

Fire-fighting foam for liquid fuel vapour suppression and liquid fuel fires (Class B fires) in installed systems, including both mobile and fixed systems



## Acceptable purposes for production and use against:

Insect baits with sulfluramid (CAS No. 4151-50-2) as an active ingredient for control of leaf-cutting ants from *Atta* spp. and *Acromyrmex* spp. for agricultural use only

# Objectives of the PFOS, its salts and PFOSF inventory

Review and summarize the production, use, import and export for perfluorooctane sulfonic acid (PFOS) and related compounds

Gather information on stockpiles and wastes containing, or thought to contain perfluorooctane sulfonic acid (PFOS) and related compounds

Assess the legal and institutional framework for control of the production, use, import, export and environmentally sound disposal of the perfluorooctane sulfonic acid (PFOS) and related compounds

Identify gaps in information required to complete the assessment

Determine need of exemptions and register for the exemptions still allowed

Identify whether the current situation meets the requirements of the Stockholm Convention and detail areas where it does not

Identify the potential perfluorooctane sulfonic acid (PFOS) and related compounds contaminated sites

# Quantitative data to be generated for perfluorooctane sulfonic acid (PFOS) and related compounds

Life-cycle step	NIP Quantitative data to be generated	Unit measure	Remarks
Production (historical/current)	PFOS, its salts and PFOS-F produced as allowed by the specific exemptions/acceptable purposes	Tonnes	Data requested by Art. 15 report
Import/export (historical/current)	PFOS, its salts and PFOS-F imported/exported as allowed by the specific exemptions/acceptable purposes	Tonnes	Data requested by Art. 15 report
	PFOS, its salts and PFOS-F in articles/products imported/exported (especially firefighting foams and hydraulic fluids)	Tonnes	
	PFOS, its salts and PFOS-F containing waste imported/exported for environmental sound disposal	Tonnes	
Use (historical/current)	PFOS, its salts and PFOS-F used to manufacture article/products as allowed by the specific exemptions/acceptable purposes	Tonnes	Data requested by Art. 15 report
	PFOS, its salts and PFOS-F in article/products in use as allowed by the specific exemptions/acceptable purposes	Tonnes	
Stockpiles	PFOS, its salts and PFOS-F in article/products stockpiles (especially firefighting foams and hydraulic fluids wastes)	Tonnes	
Waste stockpiles	PFOS, its salts and PFOS-F containing wastes stockpiles (especially firefighting foams and hydraulic fluids wastes)	Tonnes	Data requested by Art. 15 report
Contaminated sites	Potentially contaminated/contaminated sites	Number	

# Objectives of the UPOPs inventory

Carry out initial and regularly updated evaluations of current and projected releases of the chemicals listed in Annex C of the Convention

Assess the situation regarding BAT/BEP within industries and facilities listed in Annex C

Detail existing laws and policies relating to the management of releases of these chemicals and to evaluate their effectiveness and deficiencies

Link and where feasible integrate the action plan on reduction of unintentionally produced POPs with other relevant activities, such as waste/resource management and cleaner production, and to assess synergies with the reduction of mercury and greenhouse gas emissions

Identify the potential UPOPs contaminated sites

# Information and data for UPOPs release estimates

- Information on the 10 source groups from the new/current UNEP toolkit 2013 (<http://toolkit.pops.int>) present in the country
  - Information on individual source categories in the source groups present or possibly present in the country
  - Information on activity rates and other detailed information for all source groups and related source categories present or potentially present in the country
  - Selection of relevant emission factors for all source groups and related source categories present or potentially present in the country
- 
- ✓ As some source categories can be similar with those for mercury, GHG emissions, the activity rates collected for compiling those inventories could be used to estimate UPOPs release estimates
  - ✓ If those inventories do not exist, the information on UPOPs activity rates collected during this inventory can be made available to those inventories (development of one database for UPOP, GHG, mercury and possibly other releases; evaluation of PRTR)

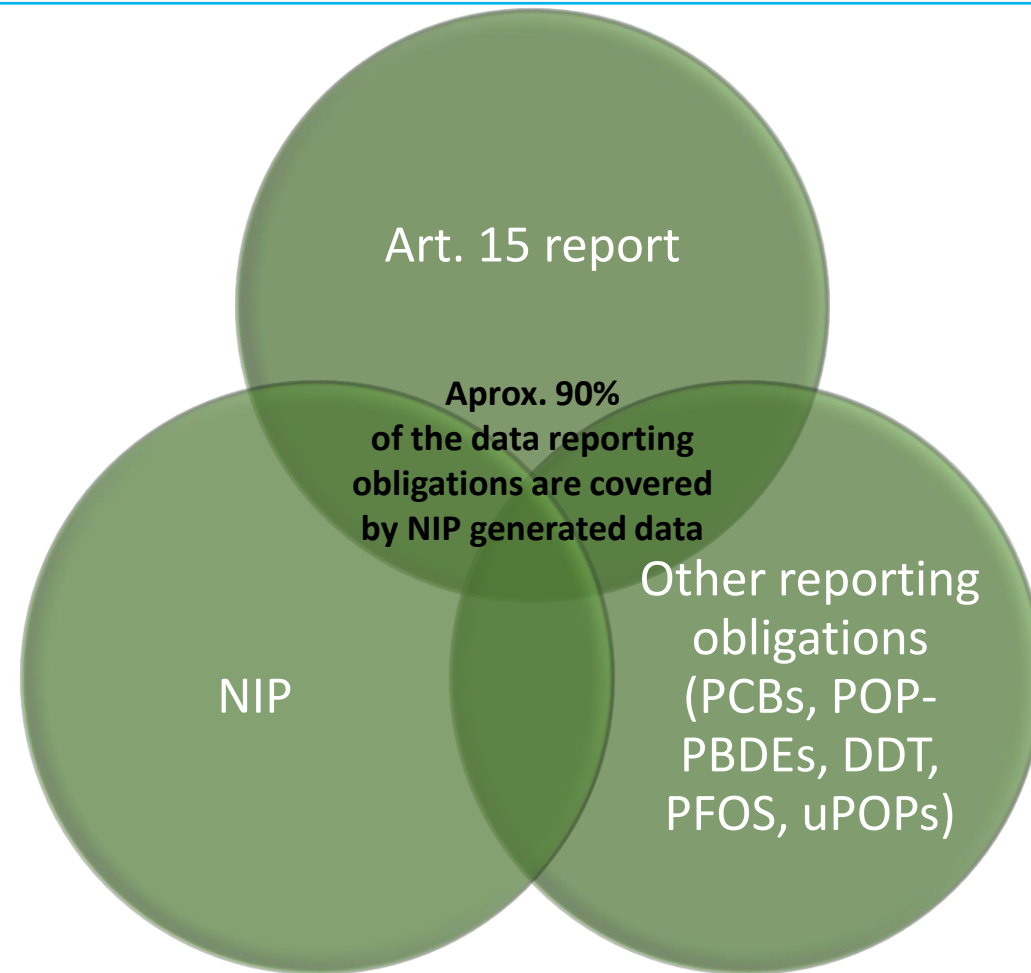
# Global NIP Update Webinar 2

## The BASICS

### of the National Implementation Plan (NIP)

# Interlinkages between NIP & national reporting requested POPs data (1)

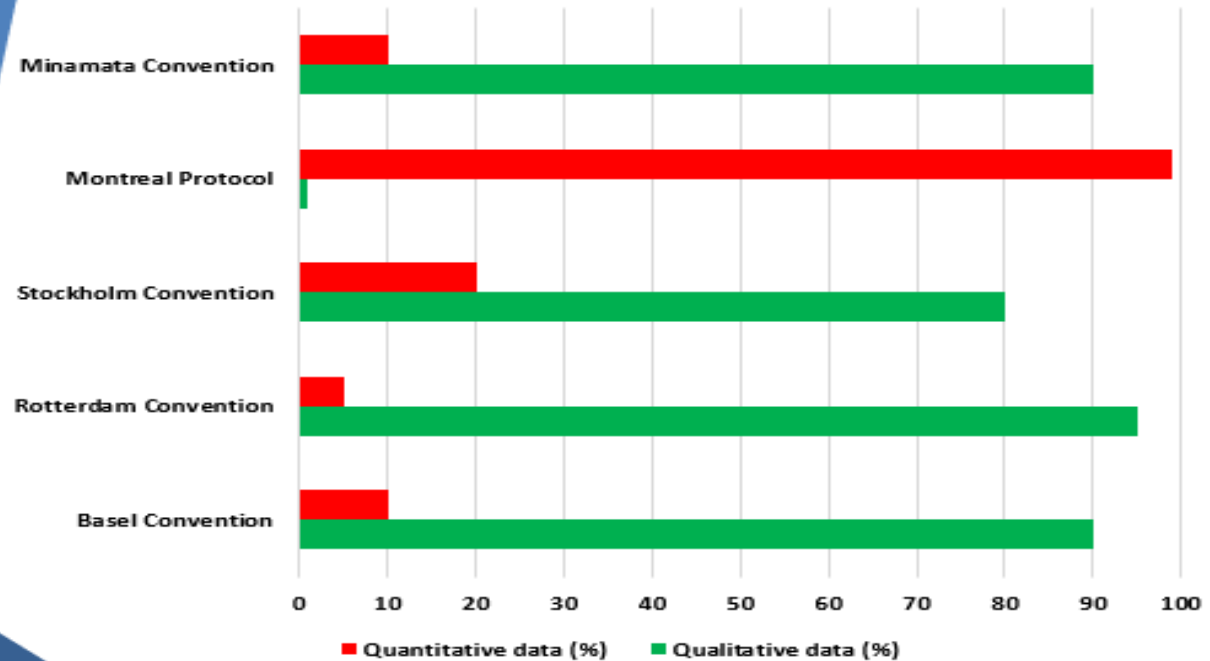
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# Interlinkages between NIP & national reporting requested POPs data (2)

**Estimative %  
of  
Qualitative  
vs.  
Quantitative  
data to be  
reported  
under MEAs**



# Interlinkages between NIP & national reporting requested POPs data (3)

Correspondence table between Art. 15 Reporting and NIP									
Article 15 Report and NIP Sections Correspondence Table									
Part	Section	Question Number	Question	Type of information/data	Information/Data to be reported	Correspondent NIP Section	Other potential sources of information/data		
Part A: General information		Q1	Official Contact Point(s). According to our records the designated Official Contact Points in your country are:	Qualitative	Designated OCP prefilled by the Secretariat; the designated OCP can be changed if the case (to be marked).	Not the case	Not the case		
		Q2	National Focal Point(s). According to our records the designated National Focal Point in your country is:	Qualitative	Designated NFP prefilled by the Secretariat; the designated NFP can be changed if the case (to be marked).	Not the case	Not the case		
		Q3	Date of submission of the report	Qualitative	Date of the current report to be submitted	Not the case	Not the case		
		Q4	Name of the submitter of the national report	Qualitative	Name of the person submitting this report	Not the case	Not the case		
Part B: Information on the measures	Section I	Article 7: Implementation plans							
		Q1	Has your country developed a national implementation plan, in accordance with paragraph 1 (a) and (b) of Article 7 of the Convention?	Qualitative	Status of development and transmission Date of transmission (predefined response options)	1. Introduction	Not the case		
		Q2	Has your country received financial assistance from the Global Environment Facility (GEF) to develop the national implementation plan?	Qualitative	Status of receiving GEF financial assistance, GEF implementing agency and reason for not making financial	1. Introduction	Not the case		
		Q3	Has your country reviewed and updated your national implementation plan, in accordance with paragraph 1 (c) of Article 7 of the Convention and the guidance for the review and updating of national implementation plans set out in the annex to decision SC.1/12.2?	Qualitative	Status of reviewing/updating of the NIP. Triggers for the review/update (predefined response options)	1. Introduction	Not the case		
		Q4	Has your country received financial assistance from the Global Environment Facility to review and update your national implementation plan?	Qualitative	Status of receiving financial assistance Implementing agency that the GEF's financial assistance was	1. Introduction	Not the case		
	Section II	Article 3: Measures to reduce or eliminate releases from intentional production and use							
		Q5	Has your country prohibited and/or taken any legal and administrative measures necessary to eliminate releases from intentional production and use of chemicals listed in Annex A in accordance with paragraph 1 (a) of Article 3 of the Convention, or restrict the production	Qualitative	Legal/administrative measures taken for Annexes A and B chemicals and year of adoption (predefined response	2.3.1 Assessment of POPs pesticides (Annex A, Part I)	National legislation on pesticides and chemicals management		
		Q6	In accordance with paragraph 3 of Article 3 of the Convention, has your country taken measures to regulate new pesticides or new industrial chemicals (i.e. chemicals that have not yet been introduced in the market or registered in your country) with the aim of	Qualitative	Status of taking measures to regulate new pesticides and new industrial chemicals and starting year	2.3.2 Assessment of PCBs (Annex A, Part II)	National legislation on pesticides and chemicals management		
		Q7	In accordance with paragraph 4 of Article 3 of the Convention, has your country taken into consideration the criteria in paragraph 1 of Annex D when conducting assessments of pesticides or industrial chemicals currently in use?	Qualitative	Status of taking into consideration the criteria in paragraph 1 of Annex D when conducting assessments of	2.3.19 Details of any relevant system for the assessment and regulation of chemicals already in the market	National legislation on pesticides and chemicals management		
	Section III	Article 4: Register of specific exemptions; Annex A and Annex B							
		Q8	Has your country notified the Secretariat to register for specific exemptions listed in Annex A or Annex B or for acceptable purposes listed in Annex B?	Qualitative	Status of registering for specific exemptions listed in Annex A or Annex B or for acceptable purposes listed in	2.3.10 Summary of future production, use, and releases of POPs – requirements for exemptions	Statistical or industry data of production and/or use of chemicals listed in Annexes A or B		
	Section IV	Article 5: Measures to reduce or eliminate releases from unintentional production (PCDD/PCDF)							
		Q9	Has your country developed, reviewed and updated an action plan designed to identify, characterize and address the release of the chemicals listed in Annex C, in accordance with paragraph (a) of Article 5 of the Convention?	Qualitative	Status of developing, reviewing and updating an action plan designed to identify, characterize and address the difficulties encountered in the	2.3.8 Assessment of releases of unintentional produced chemicals (Annex C)	2.3.8 Action plan: Measures to reduce releases from unintentional produced chemicals (Annex C)		
		Q10	Has your country encountered difficulties in the implementation of the action plan?	Qualitative	Implementation of the action plan				

# Interlinkages between NIP & national reporting requested POPs data (4)

## Overlaps

- Information requested to be reported under Article 15 and other reporting obligations under the Convention **OVERLAPS to a large extent** with the information generated under the NIP development and/or update process

## Gaps

- Limited level of detail of NIP generated information
- No NIP generated information
- Lack of correlation with the reporting obligations

# Interlinkages between NIP & national reporting requested POPs data (5)

## NIP vs. reporting

Limited level of detail on PCBs in the NIP vs. requested by reporting

Lack of information on DDT in the NIP vs. requested by reporting

Lack of information on PFOS in the NIP vs. requested by reporting

## Reporting vs. NIP

Less information requested on POP-PBDE than generated in the NIP

Less information requested on HBCD than generated in the NIP

Less information requested on PFOS than generated in the NIP

**Overview of overlaps  
and gaps**

# Interlinkages between NIP & national reporting requested POPs data (6)

- **NIP gaps on PCBs**

describing the strategies for identifying stockpiles consisting of or containing PCBs by ppm concentration

describing the strategies for identifying products and articles in use and wastes consisting of, containing or contaminated with PCBs by ppm concentration

describing the strategies for identifying sites contaminated with PCBs by ppm concentration

describing the measures to identify and label, where appropriate, equipment in use, wastes and articles containing PCBs by ppm concentration

quantitative data on articles and materials, proportion of waste and equipment containing PCBs by ppm concentration

statistical data of locally destroyed, in an environmentally sound manner, of equipment, liquids, or other wastes containing PCBs by ppm concentration

statistical data of imported and exported equipment, liquids, or other wastes containing PCBs by ppm concentration

# Interlinkages between NIP & national reporting requested POPs data (7)

- NIP gaps on DDT**

information on bioassay test procedures used for detecting DDT resistance (vector species, DDT concentration & exposure time (mins.), % mortality, year last tested, geographical area concerned)

information on resistance observed for the other insecticides used in disease vector control (status and vectors for each chemical group)

information on implementation of resistance management strategy, if alternative insecticides to DDT are used (status)

information on DDT alternatives that have been used but are no longer in use (alternative control interventions, disease targeted, year of last use and reasons why the use was stopped (import/local))

information on training facilities on insecticide use for disease vector control (status)

information on training conducted on insecticide use for vector control (status)

information on existence of formal mechanisms for inter-sectoral collaboration in disease vector control (status)

information on collaboration between formal mechanisms (status)

information on using entomology laboratory for vector resistance testing (status and international recognition)

data on DDT total production capacity (kg)

data on DDT repackaged/reformulated in the country (data on formulation type, % of active ingredient and quantity per year (kg))

data on DDT alternatives used (data on product, formulation, % of active ingredient and quantity per year (kg))

data on DDT alternatives that have been used but are no longer in use (data on quantity (kg))

# Interlinkages between NIP & national reporting requested POPs data (8)

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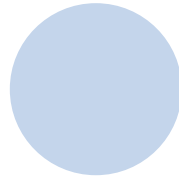
- **NIP gaps on PFOS, its salts and PFOSF**

description of the alternative substances or methods to PFOS, its salts, PFOSF

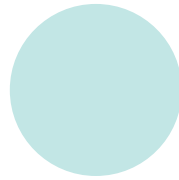
data used for assessing POPs characteristics (persistence, bioaccumulation, potential for long-range environmental transport, adverse effects) or other hazards

# Interlinkages between NIP & national reporting requested POPs data (9)

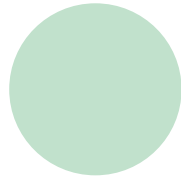
- **CONCLUSIONS**



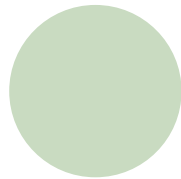
Following closely the guidance documents for NIP development and/or update **relevant information are generated** to enable Parties fulfilling the reporting obligations under the Stockholm Convention



Even the guidance documents for NIP development and/or update are **used in their entirety, a few limitations still exists** in generating all information and data for complying with the reporting obligations under the Stockholm Convention



Limitations: **internal** e.g. lack of reporting mechanisms, financial and technical capacities, and **external** e.g. no streamlined formats for reporting under Article 15 and other reporting obligations under the Stockholm Convention with the NIP development and/or update format



**Additional efforts from Parties** to generate the information for complying with the reporting obligations under the Stockholm Convention **are needed**



# Interlinkages between NIP & national reporting requested POPs data (10)

## Integrative approach

- Once data and information is generated at the national level, in this case during the NIP development and/or update, it should serve for multiple purposes and in particular for reporting under the Convention

- **HIGHLIGHTS**

- **STREAMLINING AND HARMONIZING**

- 1

- format for Article 15 reporting requirements with the formats of the other reporting obligations under the Stockholm Convention

- 2

- format of the NIP development and/or update with the Article 15 reporting format

- 3

- national mechanisms for NIP development and/or update with the NIP implementation and with the national mechanisms for reporting

- 4

- reporting submissions time schedules

# Stockholm Convention Integrated Electronic Toolkit

## Challenge

Executive summary of the report on the effectiveness evaluation of the Stockholm Convention on Persistent Organic Pollutants: *“A key challenge in undertaking this evaluation was the limited data available from national reports and NIPs”; (...) “Quantitative information on the production of POPs reported by Parties is extremely limited, such that it is not possible to discuss trends”.*

## SC COP Mandate

Paragraph 8.e of decision SC-8/8 on implementation plans

Paragraph 3 of decision SC-8/17 on reporting pursuant to Article 15 of the Stockholm Convention

Paragraph 7.c of decision SC-9/9 on implementation plans

Paragraph 7.c of decision SC-9/16 on reporting pursuant to Article 15 of the Stockholm Convention

## Root causes

- Format of NIP and national reports
  - National coordination
- National resources

## Barriers

- Lack of structured template for NIP
- Lack of relationship between NIP and reporting
- Lack of national mechanism on NIP and reporting
- Lack of institutional coordination and data collection and management systems
- Lack of financial resources and technical capacities

# GEF Art. 7 and 15 Project – objective, outcomes and outputs

**Objective:** Facilitate the development, transmission, access and use of data contained in National Implementation Plans (NIP, Article 7) and National Reports (Article 15)

**Outcome:** Enhance compliance with the SC through improved accessibility and use of data contained in NIPs (Article 7) and National Reports (Article 15)

Output 1.1: Gap analysis & consultations with the SC Parties

Output 1.2: Integrated articles 7 and 15 electronic toolkit designed

Outputs

Output 1.4: Development of the Replication Strategy

Output 1.3: Demonstration of the integrated electronic toolkit

Dates



Start: Nov 2017  
End: June 2023

Budget



Total GEF financing:  
\$2,000,000  
Total Co-financing:  
\$7,232,340

Project countries

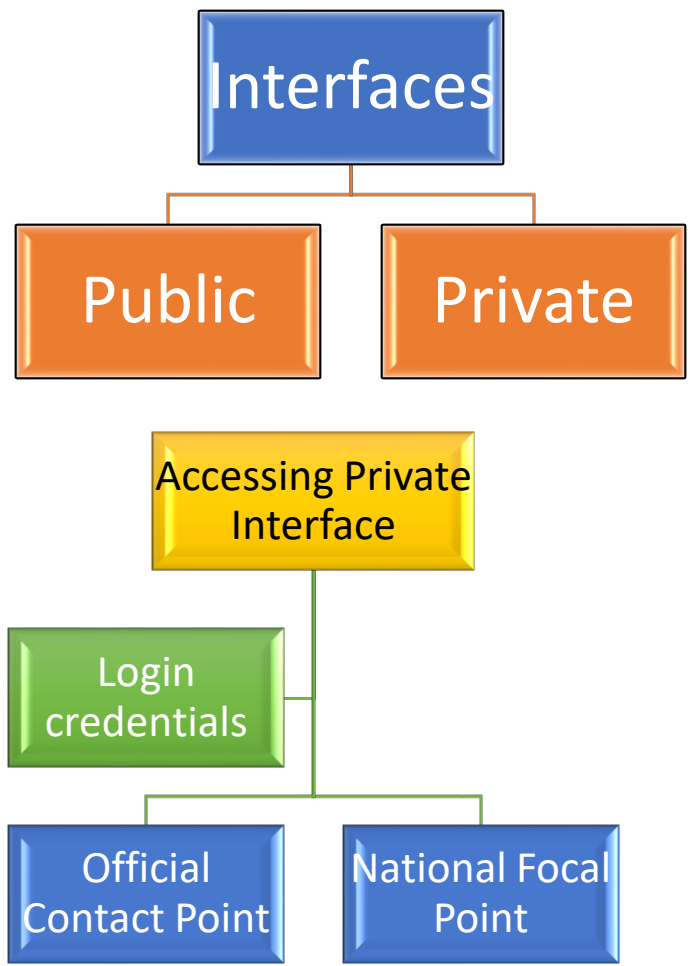


SUSTAINABLE  
DEVELOPMENT GOALS



SDG Target: 12.4.1 - "Number of Parties to MEAs that meet their commitments and obligations in transmitting information as required by each agreement"

# Interfaces



UNEP

Admin

NIP Submission Module

POPs Inventories Module

Queries Module

Guidance Module

Toolkit Administration

NIP Submission Module

Home / Dashboard

LIST OF THE COUNTRY NIPs

Locate your country NIP project and Edit

Open and Download ENGLISH Version NIP Document in Word

Open and Download CHINESE VERSION NIP Document in Word

Open and Download SPANISH VERSION NIP Document in Word

Open and Download FRENCH VERSION NIP Document in Word

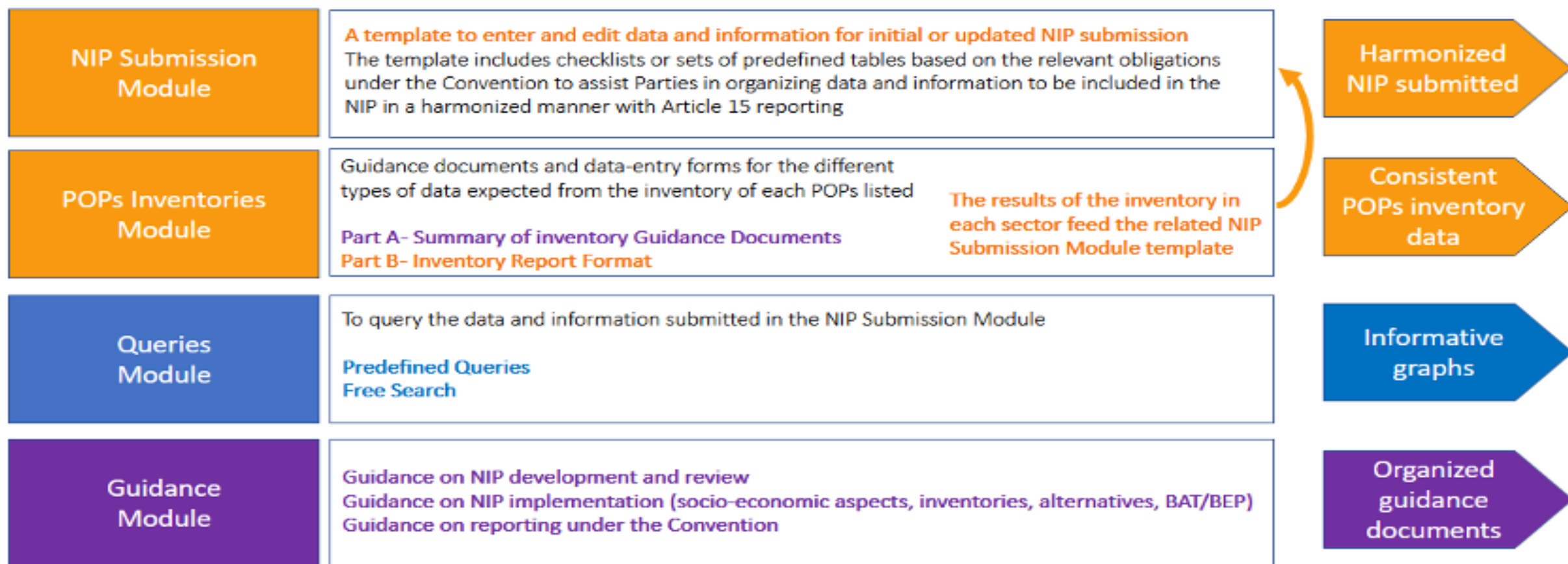
+ New Blank Submission

NIP ID	Completed (%)	Deadlines for NIP transmission	NIP received date by the Secretariat	Country	Options
6fdbab1a-8a6f-41db-9521-000e2e462be6	100%	Fri Dec 09 2022 00:00:00 GMT+0100 (Central European Standard Time)		Cambodia	Export to Word Clone
a978c577-deb0-064f-1189-0154c99310da	100%		01/November/2022 15:08	Madagascar	Export to Word Clone
f141dca5-1600-46b0-92c7-0611ab950ba5	100%		17/November/2022 23:02	Australia	Export to Word Clone
ba37bd21-d585-4a07-a5ec-0a2ad0b52b9b	100%		15/April/2023 1:52	Switzerland	Export to Word Clone
a109eecb-cf38-4c51-802f-0a916c44a81e	100%		15/October/2022 18:35	Japan	Export to Word Clone
80e3a234-2393-4702-87e3-168b8a1586a4	100%		15/April/2023 1:51	Saint Lucia	Export to Word Clone
10b69730-f8f0-43df-90aa-1803234ad782	100%		18/October/2022 13:25	Switzerland	Export to Word Clone
0377ff4e-3dde-4568-b4bf-2307447e8588	100%	Fri Dec 02 2022 23:00:00 GMT+0100 (Central European Standard Time)	03/October/2022 14:08	Cambodia	Export to Word Clone

1 - 20 of 50 items

# Structure

## Integrated Electronic Toolkit



# Structure and features

## NIP Submission Module

UNEP

UNEP

Executive summary

Chapter 1: Introduction

Chapter 2: Country baseline

Chapter 3: Strategy and action plan elements

Attachments

NIPs SUBMISSION MODULE

Home / Dashboard

Executive Summary

The executive summary would provide a concise overview of the Convention, (updated) national priorities

Format

B I U ↶ ↷

Back to previous section Save Next Section

Executive summary

Chapter 1: Introduction

Chapter 2: Country baseline

2. Country baseline

2.1 Country Profile

2.2 Institutional, policy, and regulatory framework

2.3 Assessment of the POPs issue in the country

2.3.1 Assessment of POPs pesticides (Annex A, Part II)

2.3.2 Assessment of PCBs (Annex A, Part II)

2.3.2.1 Production

2.3.2.2 Import for destruction

2.3.2.3 Export for destruction

2.3.2.4 Use

2.3.3 Assessment of POP-PBDEs (Annex A, Part IV and Part VI), PBB (Annex A, Part I) and HBCD (Annex A, Part I and Part VII)

2.3.4 Assessment of HCB (Annex A, Part I)

2.3.5 Assessment of PCNs (Annex A, part I)

2.3.6 Assessment of SCCP (Annex A, Part II)

Table 33: Status on developing the inventory of PCB in equipment (e.g. transformers, capacitors or other receptacles containing liquid stocks), articles, oils and waste, in accordance with paragraphs (a) (i), (ii) and (iii) of Part II of Annex A

CLICK FOR ADDITIONAL INFORMATION

Status	Type of inventory	Main problem sources	Remarks
<input type="radio"/> Yes <input type="radio"/> Currently being developed <input type="radio"/> No <input type="radio"/> Other		<input type="checkbox"/> Lack of institutional or policy framework <input type="checkbox"/> Lack of financial resources <input type="checkbox"/> Limited human resources <input type="checkbox"/> Insufficient technical capacity <input type="checkbox"/> Lack of disposal facilities <input type="checkbox"/> Lack of storage facilities <input type="checkbox"/> Lack of analytical laboratories <input type="checkbox"/> Other If Other Specify: <input type="text"/>	

Table 34: Inventory of PCB containing equipment, in accordance with paragraphs (a) (i), (ii) and (iii) of Part II of Annex A

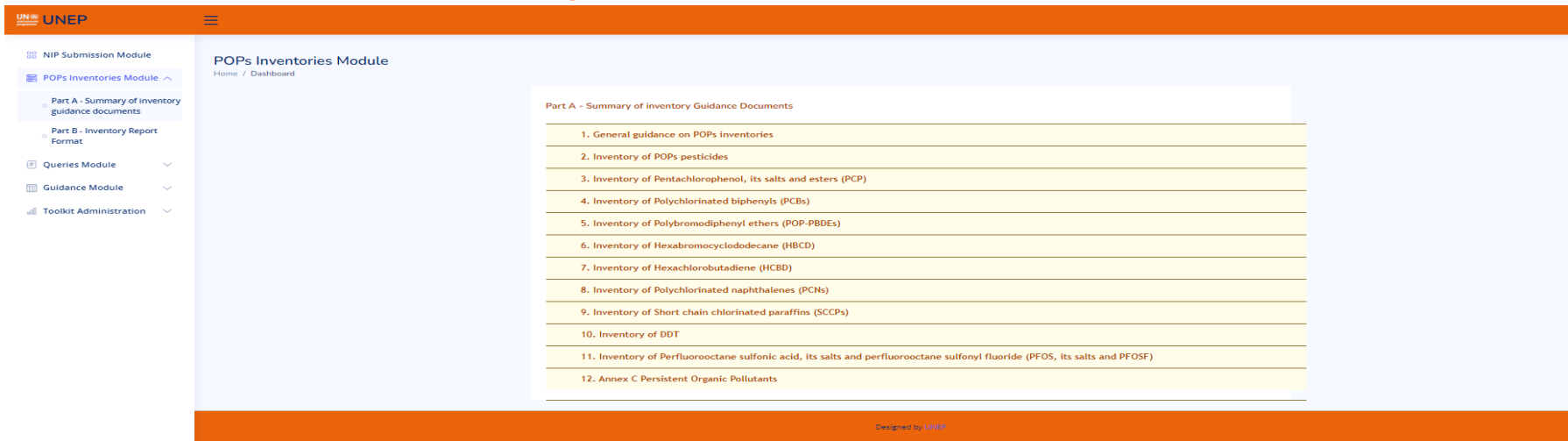
CLICK FOR ADDITIONAL INFORMATION

Application	PCB in equipment (transformers, capacitors, other receptacles)			
	Total mass of equipment (Casing + liquid) (kg) (a)	Liquid (Liquid not contained in casing) (kg) (b)	Total (kg) (a+b)	Remarks
PCB in use or unspecified (c)	<input type="text" value="0000"/>	<input type="text" value="0000"/>	<input type="text" value="0000"/>	

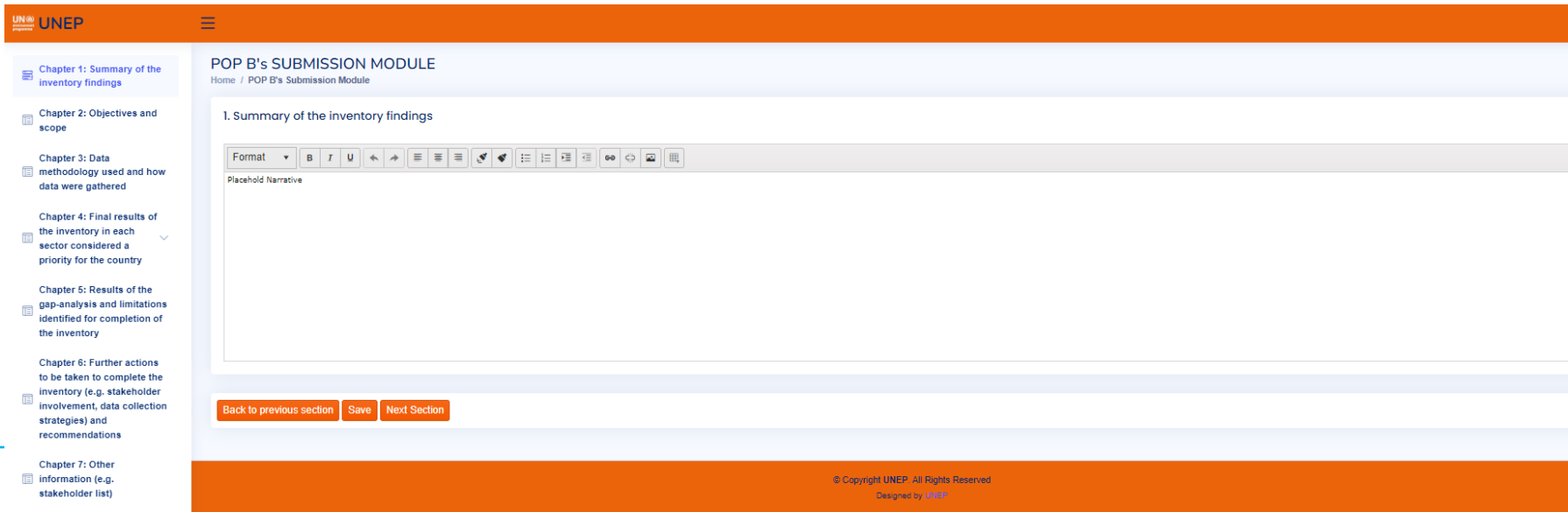
- ✓ Aims at assisting Parties in **organizing data and information in a template** for their initial or updated NIPs submissions.
- ✓ The template takes into account the identified **standard elements of the NIPs** and **provides a modular approach** to the development of updates of the NIP.
- ✓ The template **provides sufficient flexibility to address certain dynamic elements** that are likely to change with the listing of new POPs by future COPs.

# Structure and features

## POPs Inventory Module



- ✓ Presents the POPs **inventory guidance documents in an electronic and user-friendly manner** and aims at assisting Parties in managing data collected on POPs inventories.
- ✓ Encompass **entry-data forms for the different types of data** expected for the different POPs listed to the annexes of the Stockholm Convention.
- ✓ Will be **further developed as to support the digitization of the POPs inventories.**



# Structure and features

## Guidance Module

The screenshot shows the UNEP Guidance Module interface. At the top, there is an orange header bar with the UNEP logo on the left and a user profile icon labeled 'user\_cambodia' on the right. Below the header, a light blue sidebar on the left contains a menu with the following items: 'NIP Submission Module', 'POPs Inventories Module', 'Querries Module', 'Guidance Module' (which is expanded to show sub-items: 'Guidance on NIP developing and review', 'Guidance on NIP Implementation', and 'Guidance on Reporting under Convention'), and 'Toolkit Administration'. The main content area has a light blue background and displays the title 'Guidance Module' with a breadcrumb 'Home / Dashboard'. Below this, a white box contains the text 'Chapter 1 Introduction and Overview' followed by a table with two rows of guidance topics. At the bottom of the main content area, there is an orange bar with the text 'Designed by UNEP'.

UNEP

user\_cambodia

Guidance Module

Home / Dashboard

Chapter 1 Introduction and Overview

1.1 Guidance for developing a National Implementation Plan for the Stockholm Convention
1.2. Guidance for the review and updating of national implementation plans

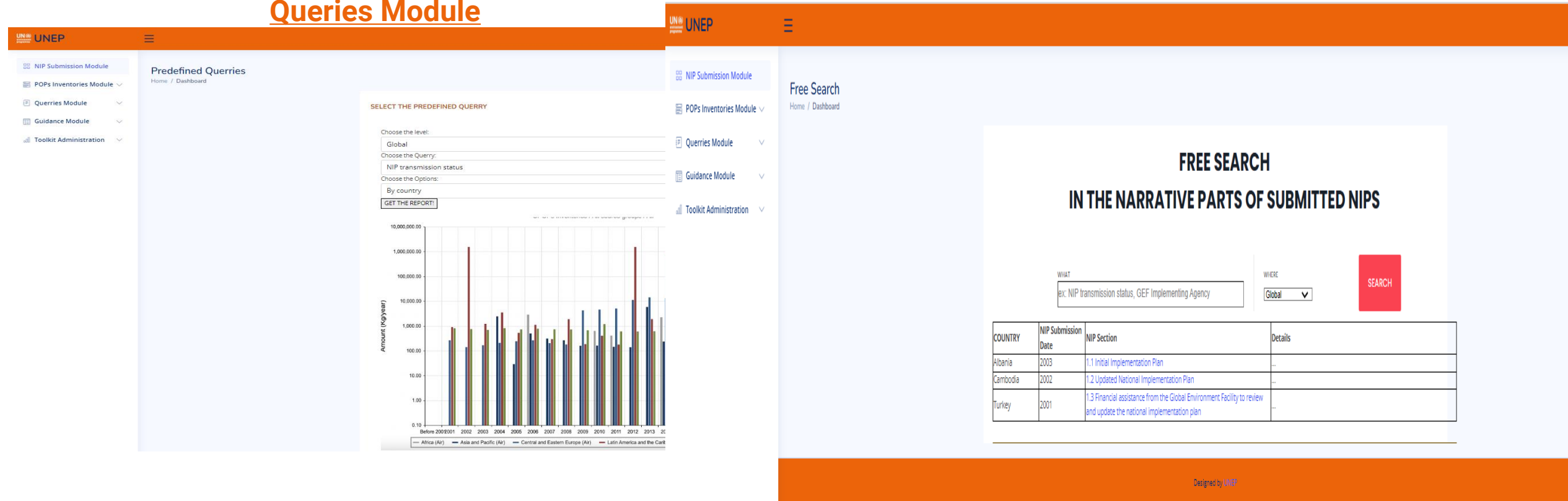
Designed by UNEP

- ✓ Contains **contextualized links to relevant guidance documents** and other toolkits (e.g. dioxin and furans toolkit) available that support the submissions of NIPs (e.g. inventory guidance documents) and of National Reports (e.g. manuals).



# Structure and features

## Queries Module



- ✓ Aims at providing stakeholders with the possibility to **query the data and information submitted** in the NIPs submission module.

# Functionalities – NIP Submission Module

## NIP Submission Module

Home / Dashboard

### LIST OF THE COUNTRY NIPs

Locate your country NIP project and Edit

[Open and Download ENGLISH Version NIP Document in Word](#)

[Open and Download CHINESE VERSION NIP Document in Word](#)

[Open and Download SPANISH VERSION NIP Document in Word](#)

[Open and Download FRENCH VERSION NIP Document in Word](#)

### NIPs SUBMISSION MODULE

Home / NIPs Submission Module

#### Executive Summary

The executive summary would provide a concise overview of the major points in the NIP, two to four pages in length, suitable for circulation as a stand-alone document. It would typically cover a country's commitment to implement a NIP, implementation progress to date, the objectives of the Convention, (updated) national priorities and key issues, (updated) targets for implementation, and (updated) resource requirements.

Format B I U [icons]

Placeholder Narrative

[Back to previous section](#) [Save](#) [Next Section](#)

### NIPs SUBMISSION MODULE

Home / NIPs Submission Module

#### 2.2.1.1 Legal/administrative measures for chemicals listed in Annex A to the Convention

B I U [icons] Format (inherited)

Placeholder Narrative


**Table 5: ADDITIONAL INFORMATION** ✕  
This information is also requested by Part B, Section II Q5 first table of the Article 15 reporting format.

Table 5. Status of legal/administrative measures taken for chemicals listed in Annex A of the Convention

[CLICK FOR ADDITIONAL INFORMATION](#)

Chemicals	Legal/ administrative measure (select all that apply)	Year	Remarks
	<input type="checkbox"/> Restriction in accordance with Annex A. <input type="checkbox"/> Prohibition on production <input type="checkbox"/> Prohibition on all uses <input type="checkbox"/> Prohibition on import <input type="checkbox"/> Prohibition on export <input type="checkbox"/> Currently being developed <input type="checkbox"/> No legal/administrative measures taken		Place text value default
●	Admin	22/07/2018	

+ New Blank Submission

NIP ID	Completed (%)	Deadlines for NIP transmission	NIP received date by the Secretariat	Country	Options
cbe1a144-98a9-4f1c-920f-de9e3518e808	0%			 Switzerland	<div>EditExport to WordCloneDeleteSubmit</div>

## NIPs SUBMISSION MODULE

Home / NIPs Submission Module

### Executive Summary

The executive summary would provide a concise overview of the major points in the NIP, two to four pages in length, suitable for circulation as a stand-alone document. It would typically cover a country's commitment to implement a NIP, implementation progress to date, the objectives of the Convention, (updated) national priorities and key issues, (updated) targets for implementation, and (updated) resource requirements.

Format B I U [icons]

Placeholder Narrative

# Functionalities – POPs Inventory Module

## POPs Inventories Module

Home / Dashboard

### Part B – Inventory Report Format

Locate your country POP B project and Edit

[Open and Download ENGLISH Version POP B Document in Word](#)

+ New Blank Submission

POP B ID	Completed (%)	Deadlines for POP B	POP B received date by the Secretariat	Country	Options	
266ee03b-9581-4099-8b9e-25ec960d2554	55.35%			 Switzerland	<div>EditCloneDelete</div> <div>Submit</div>	▲

## POP B's SUBMISSION MODULE

Home / POP B's Submission Module

### 1. Summary of the inventory findings

Format 

BITU

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🔗🔄🖼️📄

# Integrated Electronic Toolkit – benefits in using it

## NIP & Inventories

Online transmission/storage

Predefined structure (incl. offline); pre-filled to reuse during update

Clear overview of data needs

## Reporting

Harmonized with NIP

100% coverage of reporting obligations

Interlinkages highlighted

## Guidance

Summary of inventory guidance documents

Contextualized links

NIP development, implementation and reporting guidelines in one place



















## Data management system

Store NIP data

Store POPs inventory data

Extract data reports (only from NIPs now)

# Methodologies/reports available necessary for the NIP review and update (1)

Year	Title	English
2005	1. Decision SC-1-12 Guidance for review and updating of NIPs	 
2006	2. Decision SC-2-7 Elaborated process of reviewing and updating NIPs	 
2011	3. Step-by-step companion guide to the review and updating of the NIPs	 
2017	4. Guidance for developing a NIP for the Stockholm Convention	 
2017	5. Guidance on socio-economic assessment for NIP development and implementation under the Stockholm Convention	 
2017	6. Guidance on calculation of action plan costs, including incremental costs and action plans for specific POPs	 
2019	7. Guidance on the labelling of products and articles that contain POPs	 
2019	8. Guidance for the control of the import and export of POPs under the Stockholm Convention	 
2021	9. Guidance for strengthening regulatory framework and voluntary agreements for regular monitoring of products or articles that may contain new POPs	 

<http://www.pops.int/Implementation/NationalImplementationPlans/Guidance/tabid/7730/Default.aspx>

# Inventories to be developed during the NIP update

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1. Inventory of POPs pesticides
  2. Inventory of Pentachlorophenol, its salts and esters (PCP)
  3. Inventory of Polychlorinated biphenyls (PCBs)
  4. Inventory of Polybromodiphenyl ethers (POP-PBDEs) – HBB, c-octaBDE and c-pentaBDE
  5. Inventory of Hexabromocyclododecane (HBCD)
  6. Inventory of Decabromodiphenyl ether (c-Deca-BDE)
  7. Inventory of Hexachlorobutadiene (HCBd)
  8. Inventory of Polychlorinated naphthalenes (PCNs)
  9. Inventory of Short chain chlorinated paraffins (SCCPs)
  10. Inventory of Dicofol
  11. Inventory of Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
  12. Inventory of Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds
  13. Inventory of DDT
  14. Inventory of Perfluorooctane sulfonic acid, its salts and perfluorooctane sulfonyl fluoride (PFOS, its salts and PFOSF)
  15. Inventory of Annex C Persistent Organic Pollutants
-

# Methodologies/reports available necessary for the NIP review and update (2)

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1. Sectoral guidance for POPs inventory and 3 case studies
2. Methodology for strengthening the collaboration with national statistical offices as to address the identified gaps related to POPs data or relevant information supporting POPs data estimates, as well for improving the production of national statistics relevant to the POPs data for NIP review and updating
3. Short guidance on implementation of QA/QC system for POPs data validation
4. Global report on the production, use and trade of newly listed chemicals (including PFHxS, its salts and PFHxS-related compounds) and on how to access the relevant international databases and statistics

\* These will be subject to separate webinars

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# Thank you



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