Strategic approach to a modular chemicals management system
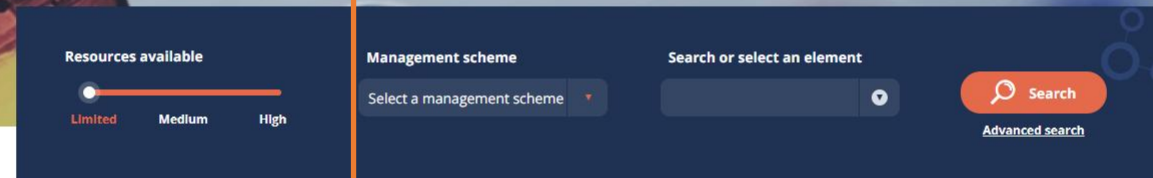
Objective

- high-level view on the different modules that make up an <u>effective chemicals management system</u>, explain the relationships between the different modules;

- outline a <u>strategic approach</u> to setting up a chemicals management system;

- operationalise the <u>GFC Implementation Programme on Strengthening National Chemicals Legislation and Institutional Capacities</u>
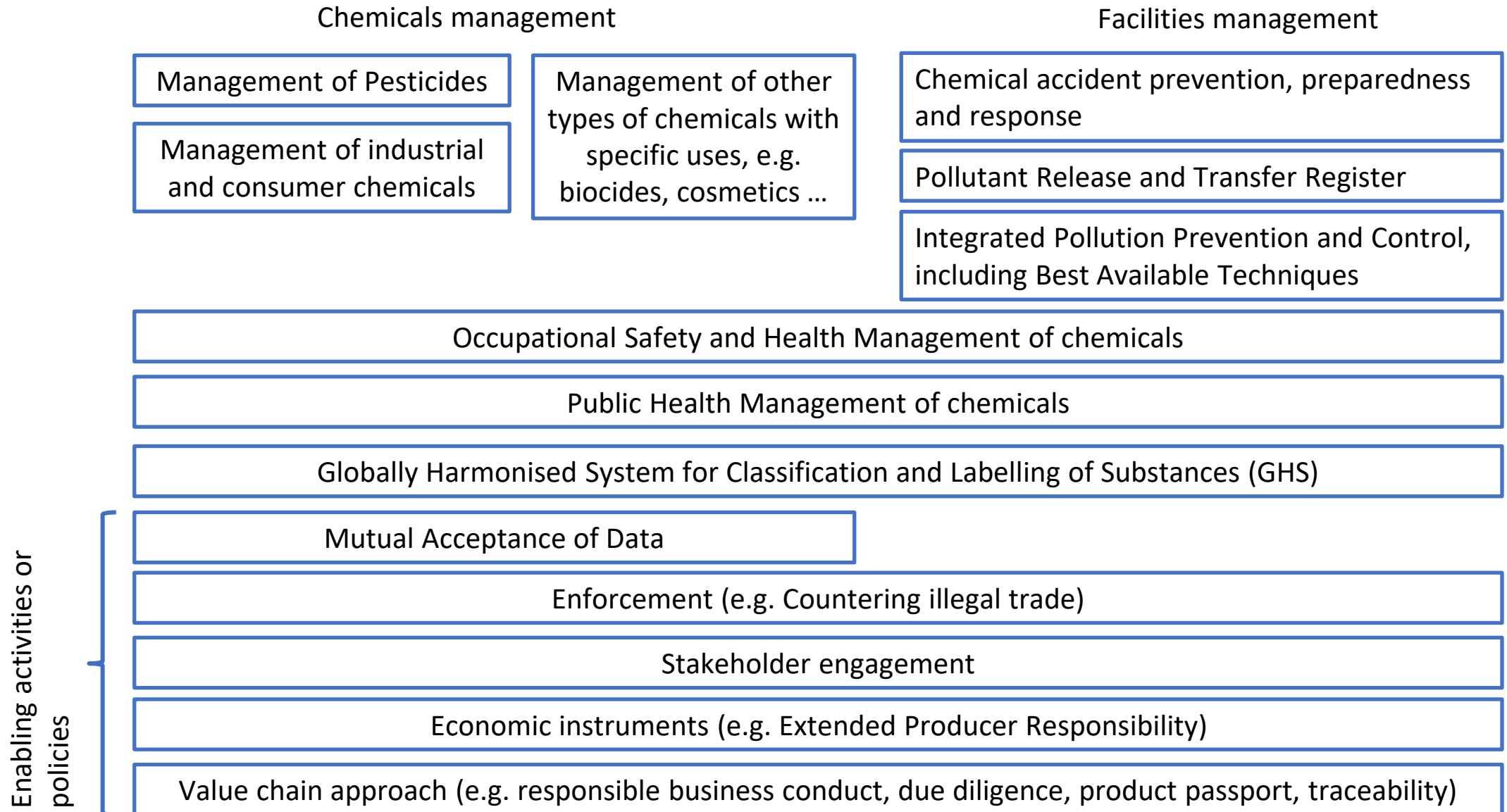
Chemicals management

Facilities management

| Management of Pesticides |
| Management of industrial and consumer chemicals |

| Management of other types of chemicals with specific uses, e.g. biocides, cosmetics … |

| Chemical accident prevention, preparedness and response |
| Pollutant Release and Transfer Register |
| Integrated Pollution Prevention and Control, including Best Available Techniques |

Occupational Safety and Health Management of chemicals

Public Health Management of chemicals

Globally Harmonised System for Classification and Labelling of Substances (GHS)

Mutual Acceptance of Data

Enforcement (e.g. Countering illegal trade)

Stakeholder engagement

Economic instruments (e.g. Extended Producer Responsibility)

Value chain approach (e.g. responsible business conduct, due diligence, product passport, traceability)

Enabling activities or policies

IOMC TOOLBOX
For decision making in chemicals management

Resources available

Limited   Medium   High

Management scheme

Select a management scheme

Search or select an element

Search

Advanced search

About IOMC Toolbox

The IOMC Internet-based Toolbox for Decision Making in Chemicals Management (IOMC Toolbox) is aimed at countries who wish to address specific national issues regarding chemicals management.

The IOMC Toolbox is a problem solving tool that enables countries to identify the most appropriate and efficient national actions to address **specific national problems related to chemicals management.**

The toolbox identifies the available IOMC resources that will help the country address the identified national problem(s) or objectives. Special focus is given to identifying simple cost effective **solutions to national chemicals management issues.**

www.iomctoolbox.org

Module already exists in the IOMC Toolbox

Chemicals management

Facilities management

Management of Pesticides

Management of industrial and consumer chemicals

Management of other types of chemicals with specific uses, e.g. biocides, cosmetics …

Chemical accident prevention, preparedness and response

Pollutant Release and Transfer Register

Integrated Pollution Prevention and Control, including Best Available Techniques

Occupational Safety and Health Management of chemicals

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Globally Harmonised System for Classification and Labelling of Substances (GHS)

Enabling activities or policies

Mutual Acceptance of Data

Enforcement (e.g. Countering illegal trade)

Stakeholder engagement

Economic instruments (e.g. Extended Producer Responsibility)

Value chain approach (e.g. responsible business conduct, due diligence, product passport, traceability)

Module to be developed in the IOMC Toolbox

Chemicals management

Facilities management

| Management of Pesticides | Management of other types of chemicals with specific uses, e.g. biocides, cosmetics … | Chemical accident prevention, preparedness and response |

Management of industrial and consumer chemicals

Pollutant Release and Transfer Register

Integrated Pollution Prevention and Control, including Best Available Techniques

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Globally Harmonised System for Classification and Labelling of Substances (GHS)

Mutual Acceptance of Data

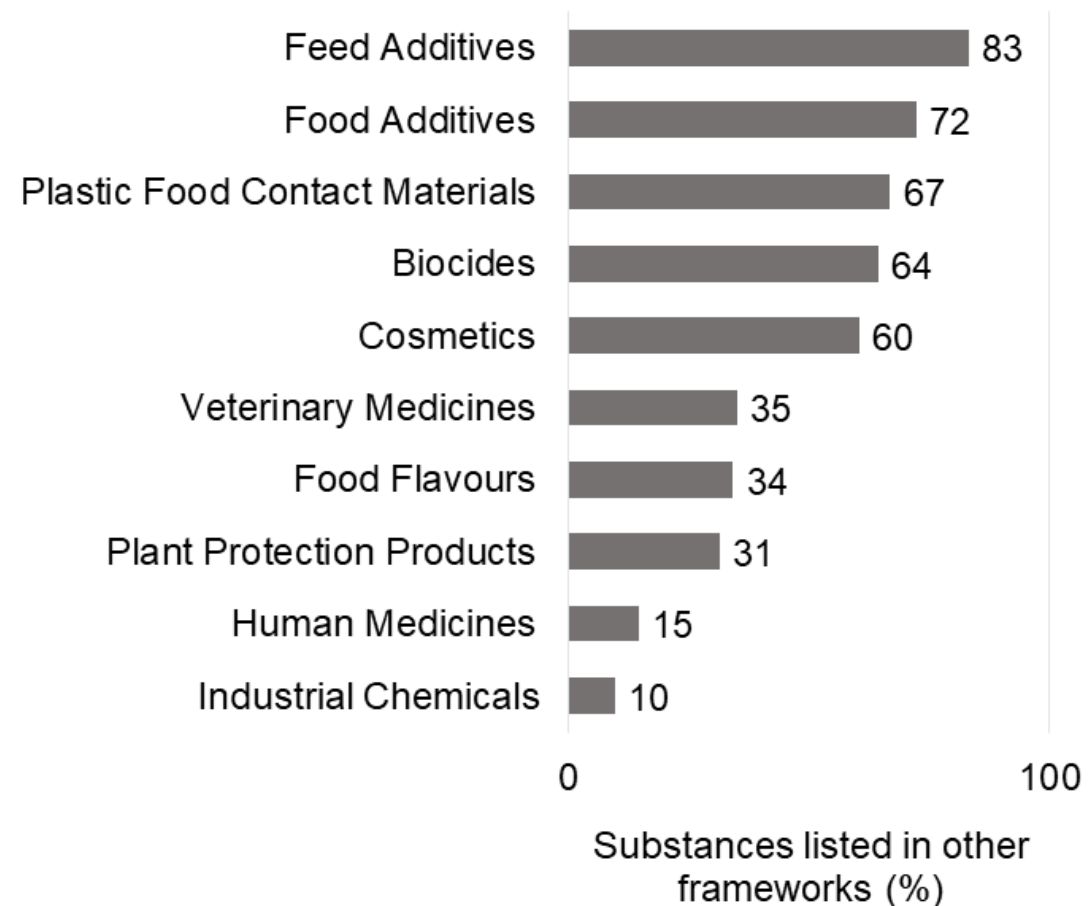Enforcement (e.g. Countering illegal trade)

Stakeholder engagement

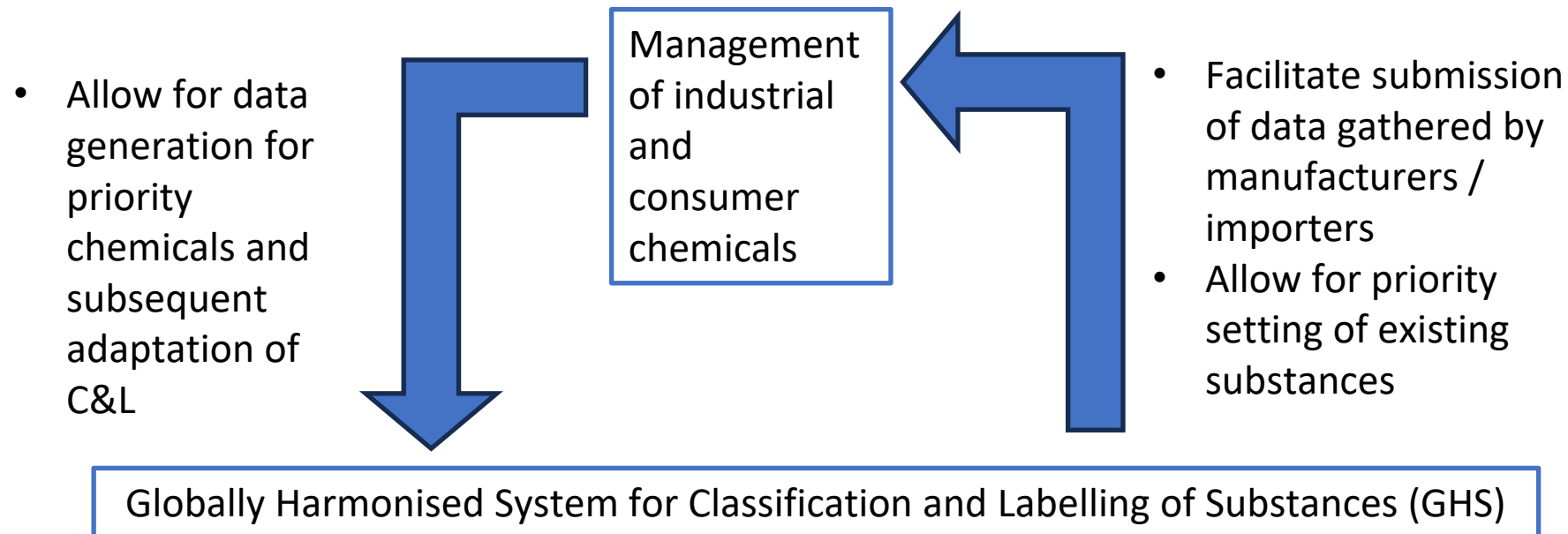Economic instruments (e.g. Extended Producer Responsibility)

Value chain approach (e.g. responsible business conduct, due diligence, product passport, traceability)
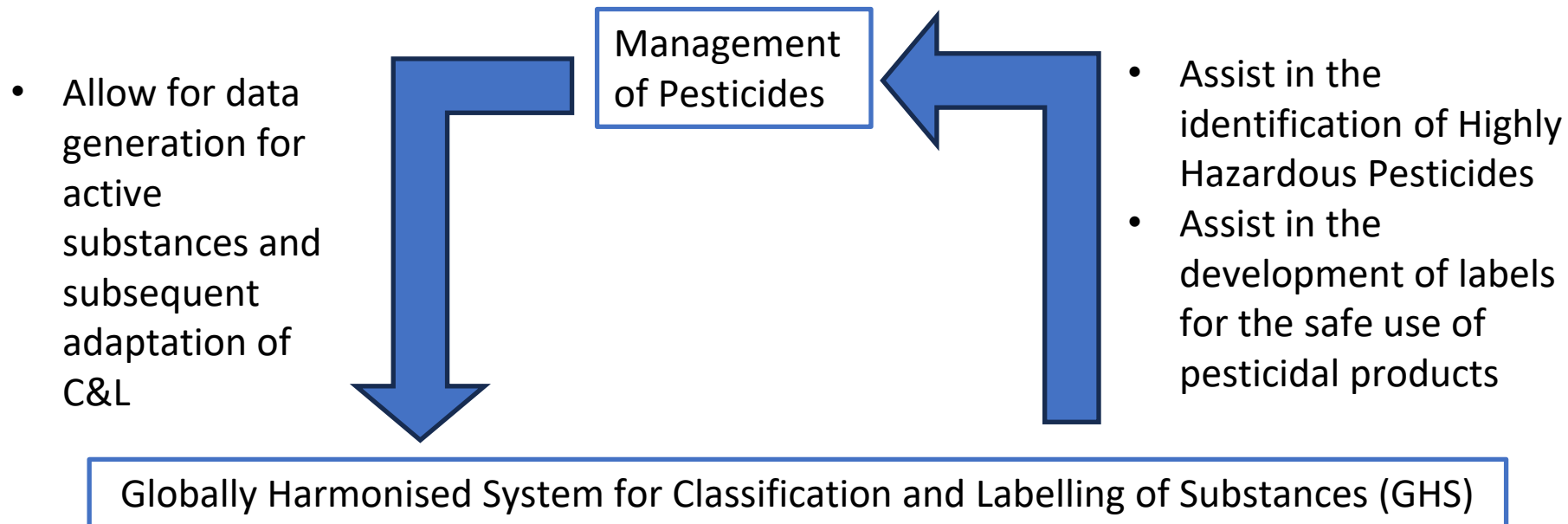
Enabling activities or policies

Overlapping chemicals between legislations

Andreassen et al., Environment International 199 (2025)

Feed Additives — 83
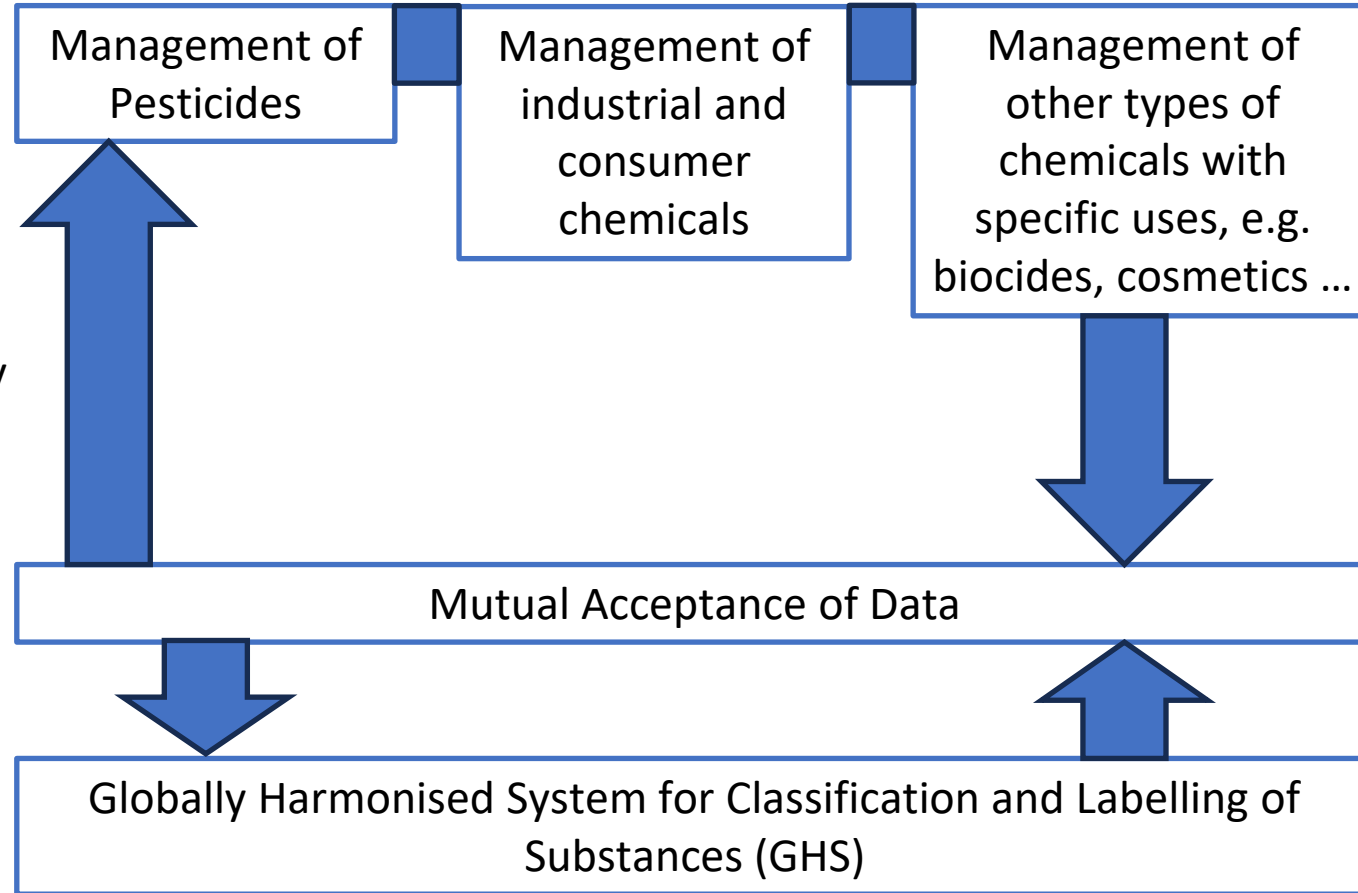Food Additives — 72
Plastic Food Contact Materials — 67
Biocides — 64
Cosmetics — 60
Veterinary Medicines — 35
Food Flavours — 34
Plant Protection Products — 31
Human Medicines — 15
Industrial Chemicals — 10

Substances listed in other frameworks (%)

- Allow for data generation for priority chemicals and subsequent adaptation of C&L

Management of industrial and consumer chemicals

- Facilitate submission of data gathered by manufacturers / importers
- Allow for priority setting of existing substances

Globally Harmonised System for Classification and Labelling of Substances (GHS)

- Allow for data generation for active substances and subsequent adaptation of C&L

Management of Pesticides

- Assist in the identification of Highly Hazardous Pesticides
- Assist in the development of labels for the safe use of pesticidal products

Globally Harmonised System for Classification and Labelling of Substances (GHS)

Strategic approach towards setting up a chemicals management system

- Need for whole of government approach to ensure coherence between different modules

- Address the main hazards (pesticides, lead, CMRs, hazardous installations)

  - E.g. an industrial and consumer chemicals management system would allow for the regulation of chemicals that have significant welfare costs (e.g. lead, cadmium, CMRs in consumer products).

- Implement the modules that have the most influence on the function of other modules (e.g. GHS)

"The IOMC vision is to shape a sustainable future through coordinated global action to achieve the sound lifecycle management of chemicals and waste for healthy lives and the environment."

THANK YOU

For more information, please visit:

www.iomc.info

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