

Indicator	Considerations
Strategic objective A: [Measures are identified, implemented and enforced in order to prevent or, where not feasible, minimize harm from chemicals throughout their life cycle [and waste]]	
A1: Countries adopt, implement and enforce legal frameworks that address risk prevention and the reduction of adverse impacts from chemicals throughout their life cycle and waste.	ARG: not SMART, too vague Replaced by ALT A1, A2, A3
Target ALT. A1 – ARG: By [xx], measures to achieve sound management of chemicals throughout their life cycle [and waste] are identified within SAICM and updated every [xx] years	Responsible agency: SAICM Activity: are identified and updated Output: Measures Outcome / Impact: prevent or minimize harm from....
Roadmap of measures to be implemented at the national level to achieve SMCW are identified	Suggest minimum number of legal frameworks that should be adopted, or a baseline to show progress e.g. from the IOMC toolkit, including: <ul style="list-style-type: none"> • Inventory • GHS • Chemicals products register • Risk Assessment for New Chemicals • etc
Roadmap of measures to be implemented by non-governmental stakeholders to achieve SMCW are identified	Suggest minimum number of measures that should be implemented, or a baseline to show progress
[xx] “facilitation toolkits” for implementing measures identified are elaborated	e.g. the IOMC toolkit, that has guidelines on how to implement measures
Target ALT. A2 – ARG: By [xx], measures to prevent or, where not feasible, minimize harm from [xx number] chemicals throughout their life cycle [and waste] are identified by governments and non-governmental stakeholders, and “approved” within SAICM	Responsible agency: SAICM / Science to Policy Interface Activity: are identified and updated Output: Measures Outcome / Impact: prevent or minimize harm from....
Chemicals to be assessed are “identified” and “prioritized”, a work plan is agreed upon and updated every [xx] years.	Baseline to this indicator: #chemicals from MEAs and others with global action (eg: lead)
Percentage of chemicals “prioritized” that have been assessed to identify measures to prevent or minimize harm throughout their life cycle and measures for its prevention / minimization have been identified	
Grade of accomplishment of the work plan	

<p>Target ALT. A3 – ARG: By [xx], measures identified to prevent or, where not feasible, minimize harm from chemicals throughout their life cycle [and waste], are implemented and enforced by [all] governments.</p>	<p>Responsible agency: governments</p> <p>Activity: are implemented and enforced</p> <p>Output: Measures</p> <p>Outcome / Impact: prevent or minimize harm from....</p>
<p>Percentage of countries with measures implemented (related to target Alt.A1 and Alt.A2)</p>	<p>Baseline: national legislations, local action plans, inventories of CAS/EPA/ECHA...¿?</p> <p>The IOMC Toolbox has levels corresponding to the number of elements incorporated into legal framework(s). These could be displayed as a map showing countries that had reached level 1, level 2 etc.</p> <p>Data would be self-reported by countries.</p>
<p>Grade of accomplishment of roadmaps for implementation of SMCW for governments (related to target Alt.A1 and Alt.A2)</p>	<p>The IOMC Toolbox has levels corresponding to the number of elements incorporated into legal framework(s). These could be displayed as a map showing countries that had reached level 1, level 2 etc.</p> <p>Data would be self-reported by countries</p> <p>Implementation could be recorded through secondary indicators such as:</p> <ul style="list-style-type: none"> • If PRTR implemented, annual data reported (Y/N) • If Risk Assessment of New Chemicals implemented, the number of risk assessments undertaken per number of new chemicals on the market. • Number of countries that have achieved core capacities for chemicals under the International Health Regulations (IOMC indicator). • Countries which have implemented pesticide legislation based on the FAO/WHO International Code of Conduct (IOMC indicator). • Number of countries that have a legislatively mandated system to manage industrial and consumer chemicals (Proposed OECD indicator) • Number of member States who have adopted national profiles, policies or programmes on

	<p>occupational safety and health and the working environment including the prevention of chemical risks, accompanied by institutional frameworks and strengthened national OSH systems. (proposed ILO)</p> <ul style="list-style-type: none"> • implementation of GHS
<p>Number of chemicals and waste related inspections undertaken/inspectors per:</p> <ul style="list-style-type: none"> • the number of relevant industries • the volume of chemicals imported and produced • population • expressed as a % of GDP 	<p>It is recognised that ‘relevant industries’ is poorly defined, however it is questioned whether the ILO has data on the number of companies within any one country within its remit?</p> <p>It is noted that this does not specify what kind of inspections are included, which would need to be defined in order to ensure quality reporting</p>
<p>Number of personnel in relevant roles related to chemicals and waste within Government per population & per employees</p>	<p>Suggest agreeing a benchmark for the minimum personnel required.</p> <p>There may be data already collected through the IHR on personnel working in occupational health, nationally.</p>
<p>Amount of hazardous and non-hazardous waste generated nationally</p>	
<p>Percentage of hazardous and non-hazardous waste treated as a proportion of total non-hazardous waste generated nationally:</p> <ul style="list-style-type: none"> • % recovered, % recycled, %landfilled/incinerated. 	
<p>Number of countries with a formal inter-ministerial co-ordinating body</p>	<p>Already collected by an existing SAICM indicator</p>
<p>Number of countries with a formal multi-stakeholder co-ordinating body</p>	<p>The ILO already collects data on tri-partite coordination bodies</p>
<p>Target ALT. A4 – ARG: By [xx], measures identified to prevent or, where not feasible, minimize harm from chemicals throughout their life cycle [and waste], are implemented by [all] industry stakeholders.</p>	<p>Responsible agency: industry stakeholders</p> <p>Activity: are implemented</p> <p>Output: Measures</p> <p>Outcome / Impact: prevent or minimize harm from....</p>
<p>Percentage/number of industry stakeholders with measures implemented (related to target Alt.A1 and Alt.A2)</p>	
<p>Grade of accomplishment of roadmaps for implementation of SMCW for industry stakeholders (related to target Alt.A1 and Alt.A2)</p>	<p>Eg implementation of GHS</p>

Trends in participation of all relevant stakeholders at national level	
Target ALT. A5 – ARG By [xx], all Parties are meeting their commitments and obligations under the provisions of chemicals and waste-related multilateral environmental agreements, as well as health, labour and other relevant conventions	Responsible agency: Parties Activity: implemented Output: provisions Outcome / Impact:
Number or % of countries signed key MEAs / agreements	Key MEAs would need to be identified as a proxy for participating in and implementing MEAs / agreements Much of this data already exists in the reporting for the GHS, PRTR, BRS Conventions, Minamata Convention, National Improvement Plans, IHR, National Profiles under UNITAR, WHO
% of Parties complying with their obligations under the MEAs / agreements	Each IOMC / MEA has its own definition of 'compliance' with Parties' obligations, and reporting of implementation
% countries reporting as a proportion of total country signatories	
A2: Countries have sufficient capacity to address chemicals and waste issues nationally, including appropriate inter-agency coordination and stakeholder participation mechanisms, such as national action plans.	Covered under target E
A3: Countries are implementing the chemicals and waste related multilateral environmental agreements, as well as health, labour and other relevant conventions, and voluntary mechanisms such as the Globally Harmonized System of Classification and Labelling of Chemicals	Covered under target ALT A5 Voluntary mechanisms covered under target alt A3/A4
A4: Stakeholders have incorporated the sound management of chemicals throughout their life cycle and waste into their planning, policies and practices, thereby supporting the development and implementation of chemicals management systems and other sector appropriate mechanisms.	Covered by ALT. A4 – ARG