



Looking ahead to risk management

ENES 12, 21.11.2019

Brussels



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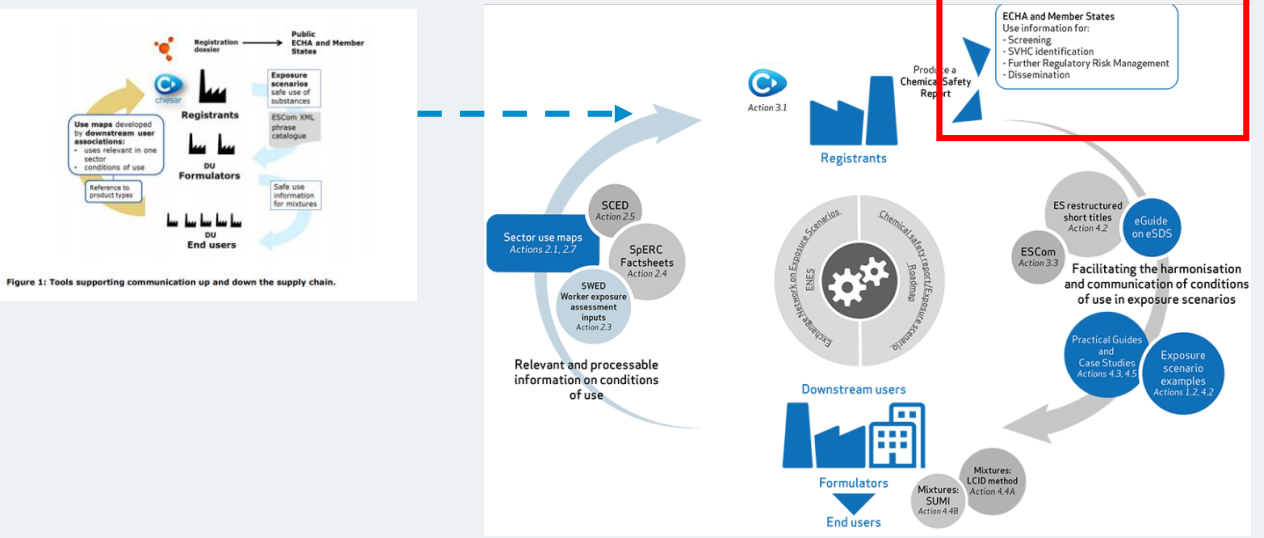
The EU Chemicals Policy has reached a different stage



FROM		TO
REACH Registration	=>	Evaluation & Risk Management
REACH database available	=>	Chemicals Policy in a wider framework (i.e. Circular Economy, Non-Toxic Environment/ Zero Pollution)
	=>	REACH data used in other EHS policies

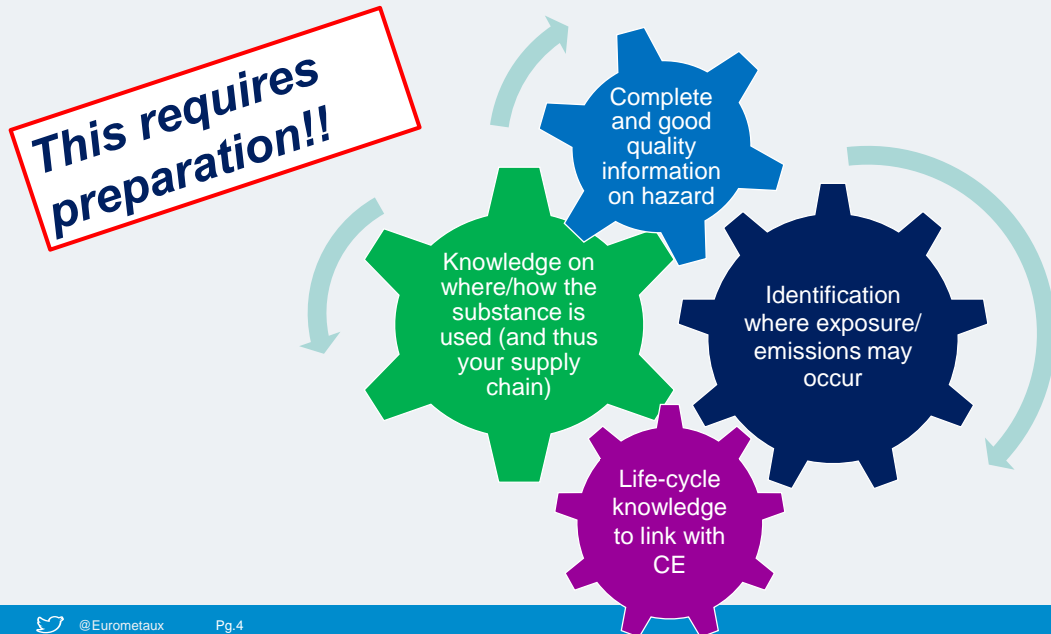
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The EU Chemicals Policy has reached a different stage



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Key data for appropriate risk management



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This session in a nutshell...

- **Introduction + Materials flow analysis for understanding the use pattern of a substance**
- **How does communication in the supply chain change when regulatory risk management is emerging?**
- **Panel discussion: What is more efficient: Wait and see or getting prepared in advance; what are the early warnings?**



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Pg.5



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Material flow analysis

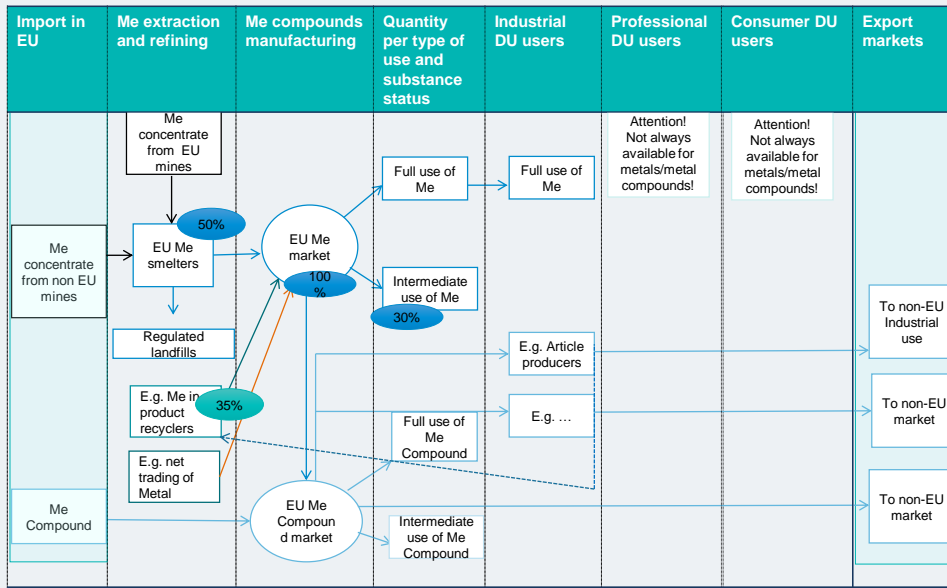
- For **identifying and quantifying e.g. metal emissions**, key to know where and how much of the metals are produced or used. This is obtained by making a (metals) Material Flow Analysis
- Analytical method to quantify the amounts, mass flows and stocks of materials or substances in a well-defined system, e.g. of a metal through the different stages of its life cycle:



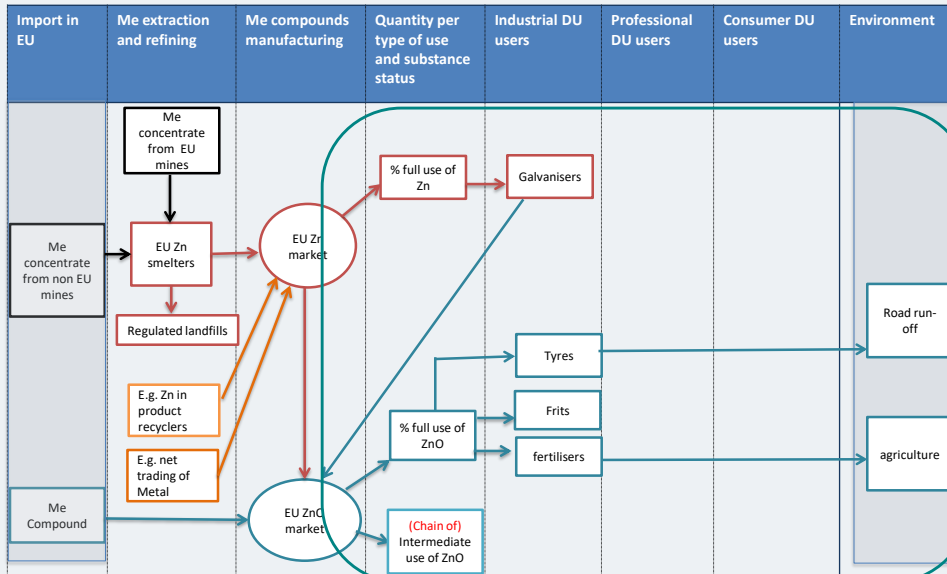
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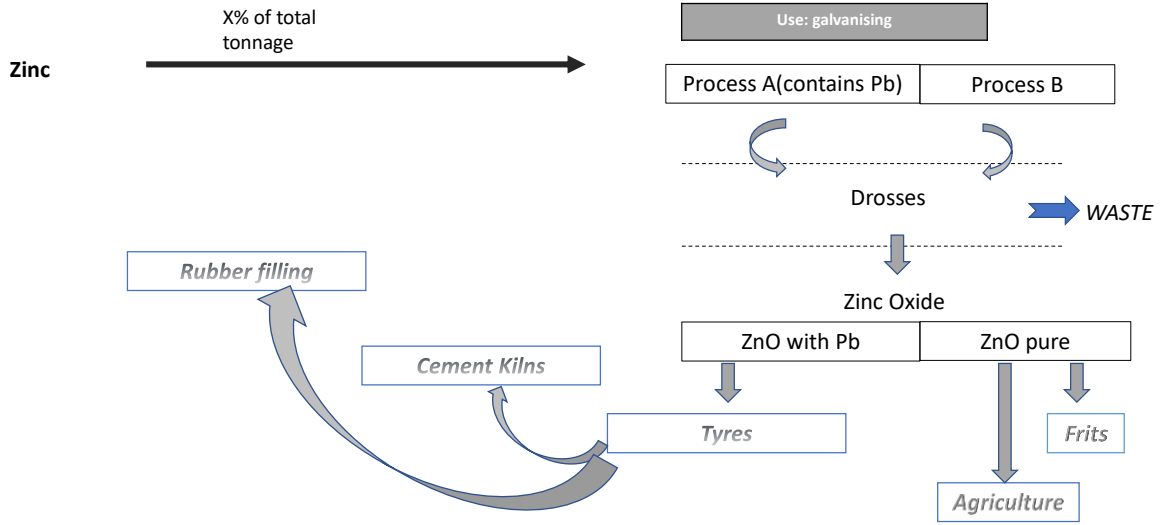
Example

Notes: (1) Me refers to the metal substance analysed; (2) Me Compound stands for the Me compound analysed (e.g. Me oxide, Me chloride, Me sulfite); (3) smelter process is given as a typical example of metal production; (4) REACH registration dossiers that do not cover professional/consumer uses, typically report the uses advised against.



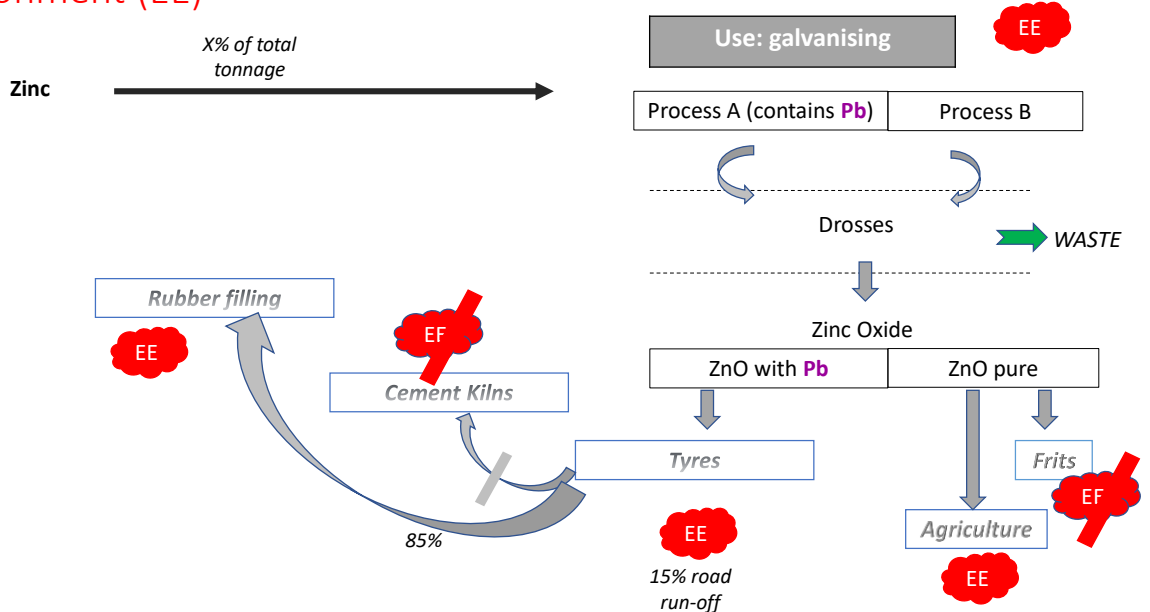
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Example: substance zinc /uses: galvanisers



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Example: substance zinc /uses: galvanisers + RMM + emissions environment (EE)



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