

# Introduction to REACH & CLP

## Outline: REACH & CLP in brief

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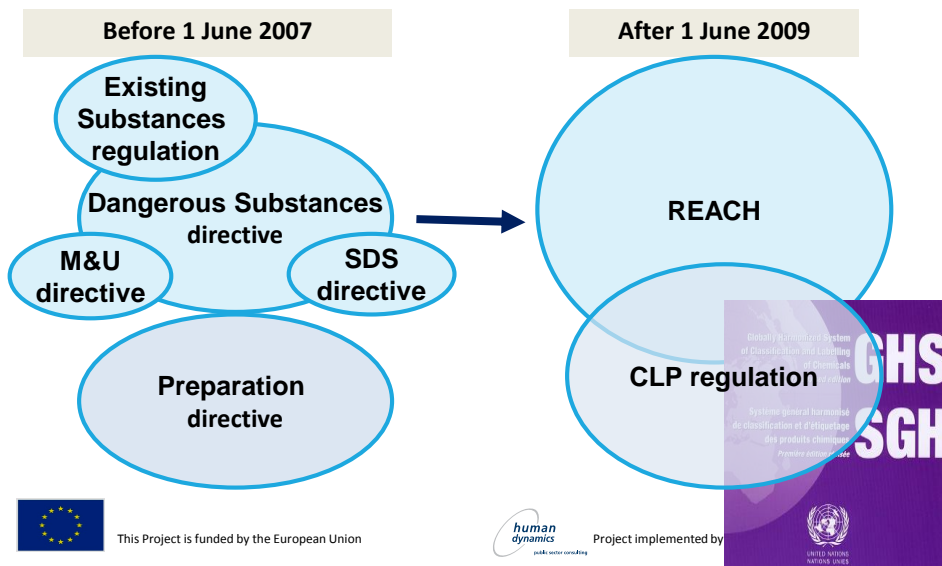


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## What has been changed in chemicals management in the EU



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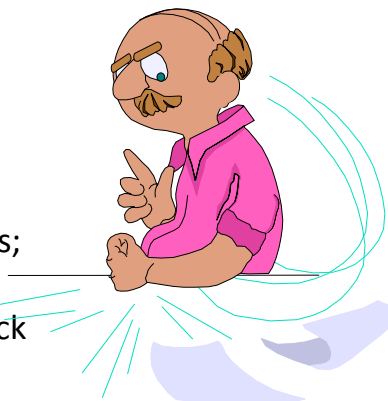


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## Why? The nature of the problem

- Amount of chemicals (60,000 - 70,000 EU market)
- Largely unknown effects (very limited / no data)
- Burden too heavy to authorities; (capacity limited)
- Procedures inadequate (no quick response possible)
- Responsibility unclear
- Public / political confidence low



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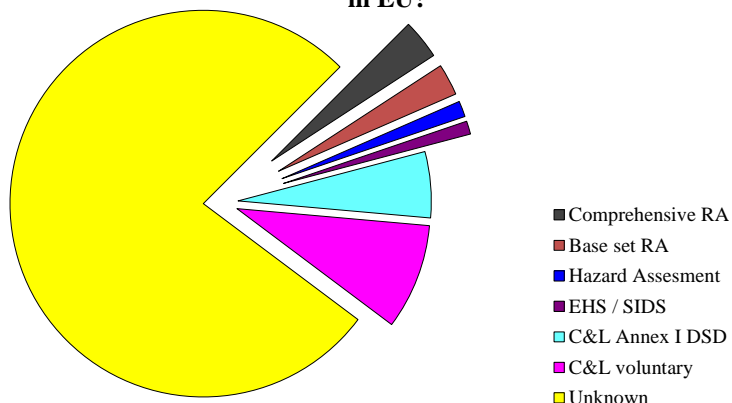


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## Why? The size of the problem

Total number on the market about 70.000 substances  
in EU?



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# Basic principles of REACH

- **Sustainable development**
  - **Industry** is responsible for safe use of substances
  - **Authority** controls compliance of industry
  - **NGO's** must accept marketing of sustainable substances; no phasing-out across the board
- **Priority for data collection**
  - Manufacturing / marketing according to quantity
    - Three categories of priority: 1000 – 100 - 1 tonnes/year
  - Hazardous properties
    - CMR properties > 1 tonne/year (high priority)
    - PBT/vPvB properties > 100 tonnes/year (high priority)



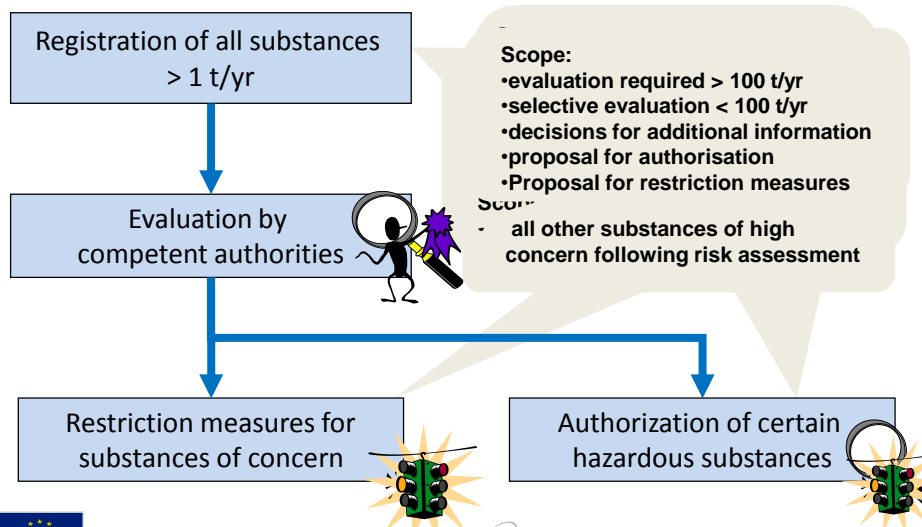
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# Main elements of REACH



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# Scope of REACH

- **Manufactured / imported in Community's territory**
  - Substances as such and in preparation within REACH
    - For intermediates on site/transported separate provisions
  - Cosmetics as end-products excluded from “info into supply chain”
- **Substances / components of preparations / certain articles**
  - Excluded are substances in Annex IV (“no-concern”)
  - Excluded are categories of substances in Annex V, e.g. substances in nature
    - Minerals, natural gas, liquefied petroleum gas, natural gas condensate, process gases, crude oil: in nature of not chemically modified
    - Other substances in nature if not chemically modified, unless classified as dangerous



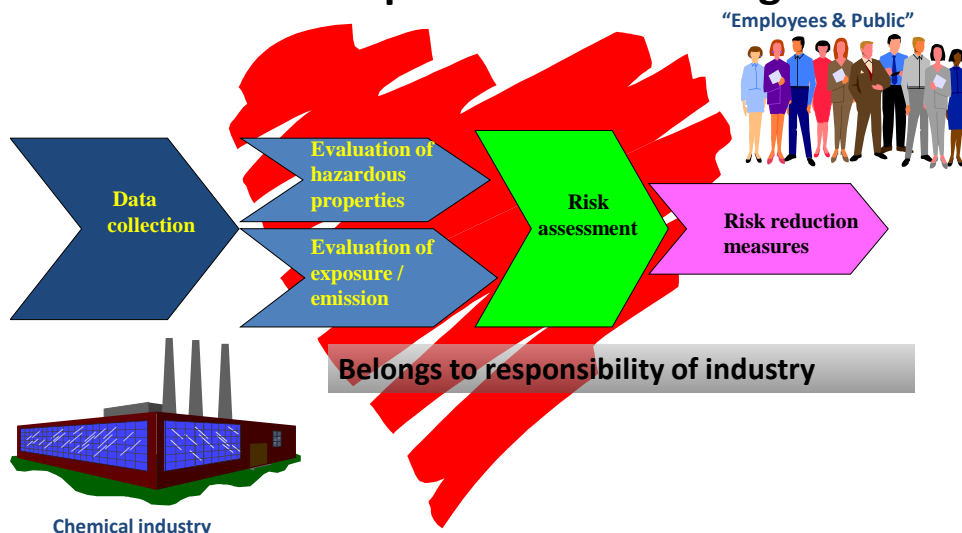
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## Core issue is responsible risk management



Chemical industry

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## Communication up- and down supply chain



## Legal structure of REACH

Legal "body text" on scope, registration, data sharing, requirements, evaluation, authorisation, restrictions, Agency, etc. in XV titles,

plus 17 annexes on technical details:

- I. General provisions on chemical safety assessment
- II. Guide to compiling safety data sheets
- III. Criteria for registering substances between 1 – 10 tonnes per annum
- IV. Exemptions from registration according to Article 2(7)a
- V. Exemptions from registration according to Article 2(7)b
- VI. Information requirements referred to in Article 10
- VII. Standard information requirements for substances in 1 tonne or more
- VIII. Standard information requirements for substances in 10 tonnes or more
- IX. Standard information requirements for substances in 100 tonnes or more
- X. Standard information requirements for substances in 1000 tonnes or more
- XI. Rules for adaptation of standard testing regime in annexes VII to X
- XII. General provisions for downstream users to assess substances and prepare chemical safety reports
- XIII. Criteria for PBT and vPvB substances
- XIV. List of substances subject to authorisation
- XV. Dossiers
- XVI. Socio-economic analysis
- XVII. Restrictions on manufacturing, marketing and use of dangerous substances



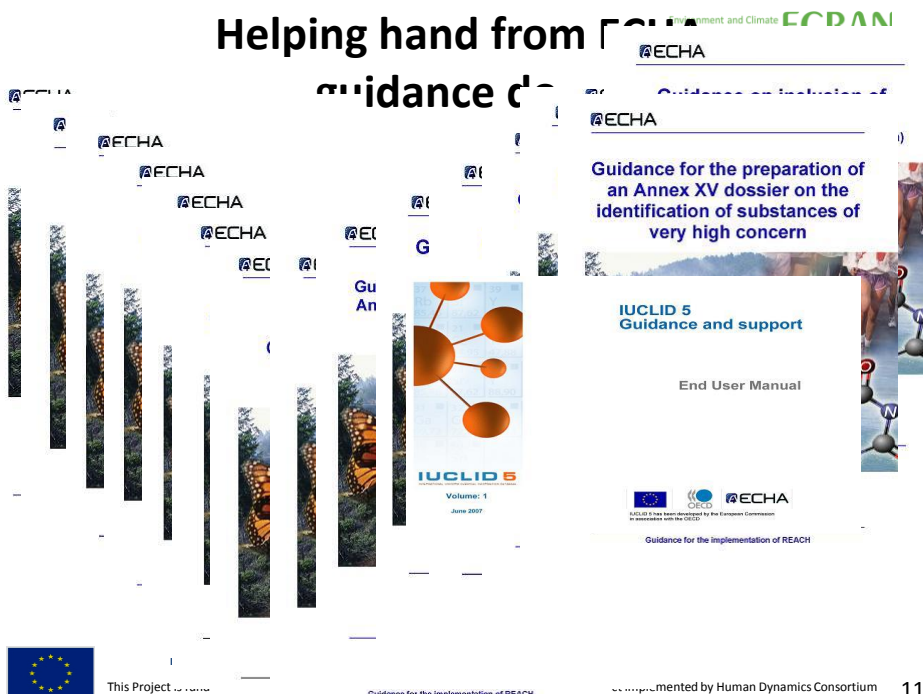
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## Helping hand from ECHA



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Guidance for the implementation of REACH

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Environment and Climate ECRAN  
Regional Accession Network

## General aspects of GHS / CLP

- **GHS – Global Harmonised System**
  - UN-driven worldwide classification system, not mandatory
  - Covers substances and transport classification
  - Merges three main systems: EU - USA – Canada
  - Sets optional building blocks on hazard classes and/or categories from which countries can choose
  - Basis is UN “Purple Book”; living documents, updated each 2 years
- **CLP regulation**
  - EU method for implementing GHS
  - Substances and mixtures classification, packaging, labelling
  - New language of risk communication by symbols and signal words
  - Symbols changed, some completely, others in minor way



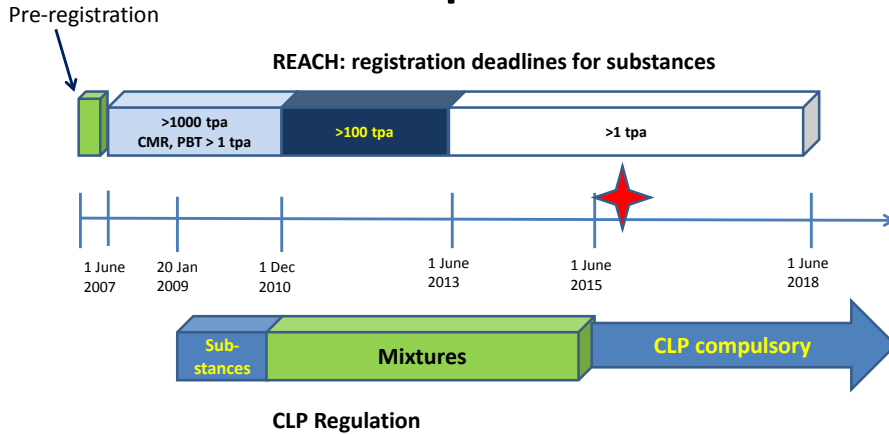
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# Critical CLP & REACH timelines within the European Union



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## GHS/CLP pictograms

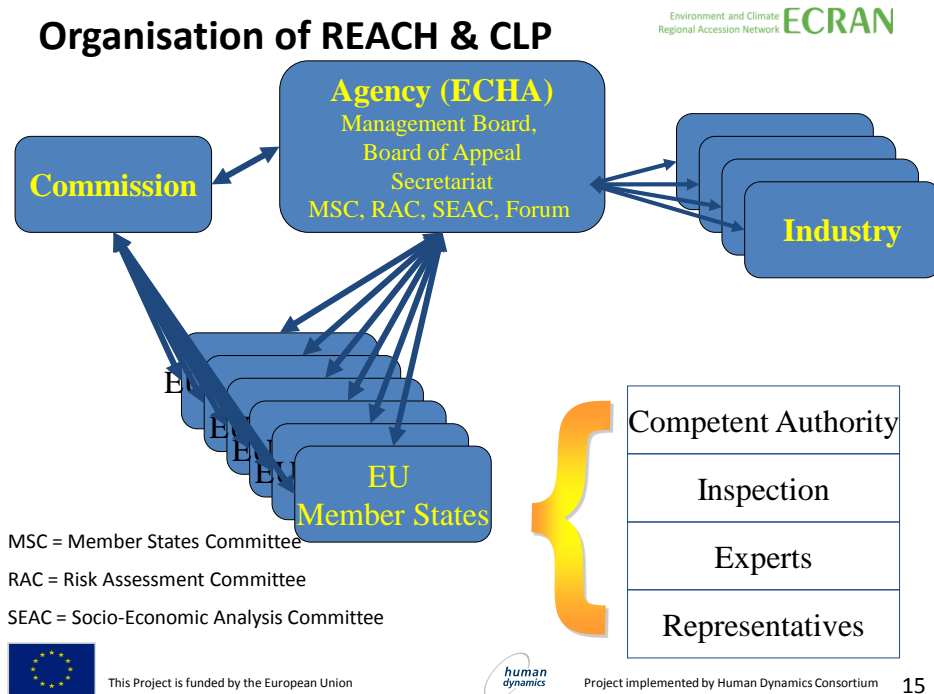


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## Legal structure of CLP

- **Legal „body text“ on general rules and principles plus**
- **7 annexes on technical details**
  - Annex I: Classification and labelling requirements for hazardous substances and mixtures
  - Annex II: Special rules for labelling and packaging
  - Annex III: List of Hazard Statements
  - Annex IV: List of Precautionary Statements
  - Annex V: Pictograms
  - Annex VI: Harmonised List of Hazardous Substances
  - Annex VII: Table of Equivalence



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## Dynamic to the future....

Environment and Climate  
Accession Network **ECRAN**

