



REACH 2018



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# REACH

# + ECONOMIA CIRCOLARE

È strategico il rapporto tra il quadro normativo sulla gestione di sostanze, miscele, articoli - valutati dal punto di vista chimico - ed il riciclo e/o riuso secondo i criteri dell'Economia Circolare.



FEDERCHIMICA  
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Stefano Gianazzi - Gustavo Capannelli | Ticass scrI  
[stefano.gianazzi@ticass.it](mailto:stefano.gianazzi@ticass.it) - [www.ticass.it](http://www.ticass.it)



## **REACH E ECONOMIA CIRCOLARE**



Assicurare un elevato livello di protezione della salute umana e dell'ambiente inclusa la promozione di metodi alternativi per la valutazione dei pericoli che le sostanze comportano, nonché la libera circolazione di sostanze nel mercato interno rafforzando nel contempo la competitività e l'innovazione (Art. 1 REACH).

Impatti del Regolamento "REACH" sulla Supply Chain e sul sistema economico-produttivo (produrre e distribuire in maniera regolamentata)

## **Reg. (CE) n. 1907/2006**



## REACH E ECONOMIA CIRCOLARE



### Economia Circolare: quadro normativo EU

(fonte MinAmbiente)

Comunicazione COM(2015) 614 final contenente il Piano d'azione della UE per l'economia circolare:  
Proposte di modifica **Direttive** nel pacchetto di misure sulla economia circolare:

D. 2008/98/CE direttiva quadro rifiuti

D. 94/62/CE imballaggi e rifiuti relativi

D. 1999/31/CE discariche di rifiuti

D. 2003/53/CE veicoli fuori uso

D. 2006/66/CE pile e accumulatori e rifiuti relativi

D. 2012/19/CE RAEE

Proposte di Regolamento

Concimi dai rifiuti organici (03/16),

Requisiti minimi di qualità per il riutilizzo delle acque (nel 2017).



Indirizzi e obiettivi delle politiche regionali per la gestione dei rifiuti (es Regione Liguria)

**La gerarchia comunitaria individua le seguenti priorità d'azione (in ordine decrescente):**

# REACH E ECONOMIA CIRCOLARE

**sostenibilità massima**

**PREVENZIONE (Best Available Techniques previste in Industrial Emissions Directive?)**

**PREPARAZIONE PER IL RIUTILIZZO (REACH)**

**RICICLO (REACH)**

**RECUPERO MATERIALE ED ENERGETICO (REACH?)**

**SMALTIMENTO**

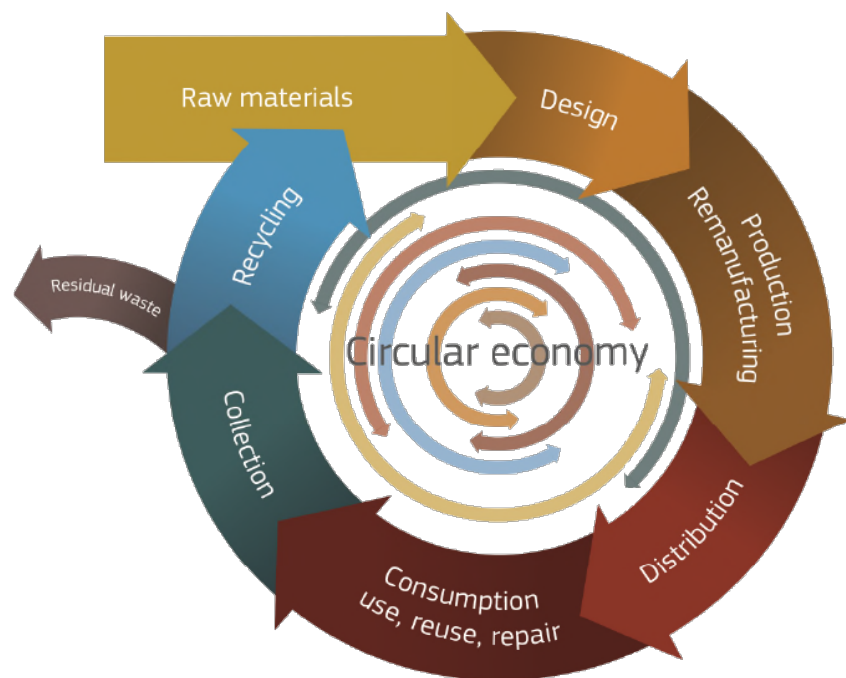
**sostenibilità minima**

Gerarchia degli interventi per la riduzione dell'inquinamento da sorgenti industriali - migliore opzione ambientale nella normativa e nella politica dei rifiuti

## La gerarchia dei rifiuti (direttiva 2008/98/CE)



## REACH E ECONOMIA CIRCOLARE



## Product Life Cycle

**Definizione del ciclo di vita di un prodotto** (nel caso di REACH “Chemicals”, ovvero sostanza, miscela, articolo)

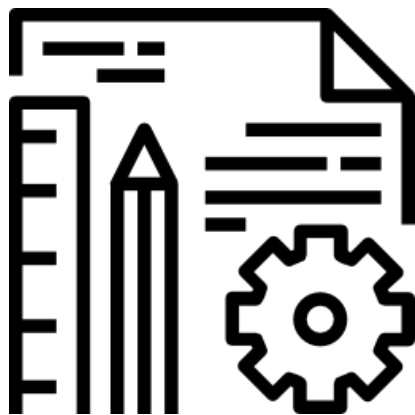
Italia - prolungare il più a lungo possibile la “durata” del prodotto (scarsità di risorse a livello nazionale)

Prevenzione e gestione del **rischio** lungo tutto il Ciclo di Vita del “Chemical” incluso riutilizzo

REACH come elemento di Governance, secondo criteri comuni, funzionale alla valutazione del rifiuto diretta a favorire il riuso e/o il riciclo



## REACH E ECONOMIA CIRCOLARE



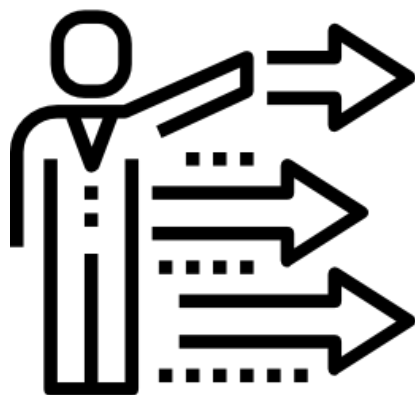
## Product Design

Attività chiave in ambito Economia Circolare:

- Riciclaggio insito nel Design del Prodotto e creazione di un mercato (es. Tetrapak? Ma molto prima: vetro, carta, metalli)
- REACH inserisce nel Product Design l'aspetto della composizione chimica delle sostanze (**Punto di vista "molecolare"**)
- La necessità di conoscere e comunicare l'esatta composizione di sostanze, miscele, articoli incide sull'aspetto economico e produttivo



## REACH E ECONOMIA CIRCOLARE



## Policy Planning

**Equilibrio tra efficienza nel riciclo ed eliminazione di specifiche sostanze “pericolose” dai prodotti.**

**Eliminazione più importante del riciclo e/ o riuso.**

(es. POPS indicati in Reg. 850/2004, Amianto)

**Miglior allineamento tra legislazione sui rifiuti e quella sulle sostanze chimiche.**

L'applicazione del Regolamento REACH alle sostanze recuperate dovrebbe essere basata sul rischio ambientale effettivo, e tale da non ostacolare le attività di riciclo e riuso.



# LIFE13 ENV/IT/000849

**inREACH** | protecting health and environment by streamlining REACH compliance check at European Economic Area import stage

Project funded by Life+ 2007-2013 financial instrument



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**Stefano Gianazzi - Gustavo Capannelli | Ticass scrI**  
stefano.gianazzi@ticass.it - [www.ticass.it](http://www.ticass.it)





26 Deliverables  
18 Actions  
12 Milestones

**inREACH 101**

## **Duration of the project**

36 months (01/09/2014 to 31/08/2017)

## **Total budget**

€ 801.034,00 EC contribution: € 400.517,00

## **Environmental Problem targeted**

With reference to art. 1 of Reach Regulation (protection of human health and environment as well as the free movement of substances, on their own, in mixtures or in articles, while enhancing competitiveness and innovation) Project Actions have as Global Objective the reduction of the Critical Issues related to access to European Economic Area (EEA) of Chemicals with information incomplete or not compliant to REACH in import operations.

## **Coordinating Beneficiary**

Ticass srl

## **Associated Beneficiaries**

Federchimica, Centro Reach srl, Istituto di Ricerche Farmacologiche Mario Negri

# EXPECTED RESULTS

improved **science-policy integration** and transfer of results to provide a solid technical background for Public Bodies, Authorities and the Business Community affected by REACH and CLP Regulations

focus on Import to European Economic Area (EEA) Operations, SMEs, Enforcement, Customs and the Supply Chain

technical specifications for an operations and process model, supported by Cloud Services, to check compliance of chemicals (REACH, CLP Regulations) at EU import stage (**inREACH Framework - procedures + ICT**) and Demonstration Activities

overall evaluated reduction by 5-10% of chemicals with limited or not compliant information entering into EU



## Stakeholder's Platform

## Identification of the 25 Most Critical Issues

## Roadmap for the Definition of Strategies

## Operations and Process Model

## Demonstration

A national thematic Stakeholders Platform established with links to relevant regional, national and EU Authorities and Agencies to support project actions (Extended Stakeholder Forum (Ext.SF))

Identification of the 25 most Critical Issues affecting REACH and CLP Regulations implementation (Public Bodies and Companies)

A Roadmap for the definition of strategies and activities to overcome the 25 most Critical Issues affecting REACH and CLP Regulations implementation

Consolidation of the inREACH Framework (procedures + ICT) and technical specifications for an operations and process model, supported by an ICT platform, to check compliance of chemicals with REACH and CLP

Demonstration of the exploitability, viability and sustainability of the developed inREACH Framework at national level and its potential replicability at EU level

## "It's the information, stupid"

a slight variation of the phrase "The economy, stupid" which James Carville coined as a campaign strategist of Bill Clinton's successful 1992 presidential campaign against sitting president George H. W. Bush.

### Which information, by whom

EU Regulations (Reach/CLP) require Producers and Importers to **pass down the Supply Chain** information on chemicals and how to use them safely (risk). Anyway, there is evidence of Importers facing difficulties in evaluating and managing quality and compliance of information transferred to them by extra EU Suppliers.

e.g. information on permitted uses and exposure are generally difficult to obtain. Importers of chemicals need to identify and manage risks linked to substances they market.



# the inREACH Project

## why

## Gaps, issues, criticalities

**Information gaps** in Import Operations into European Economic Area (completeness and/or conformity to REACH)

Lack of a **harmonized template** for information transferred throughout the supply chain (articles 32, 33)



**Classification** based on Harmonized Systems (HS), Combined Nomenclature (CN), TARIC Goods Code, not fully compliant with the definition of substance/mixture/article in REACH

Management of information related to Substances available within **different databases** (e.g. Registration Dossiers, ECHA C&L Inventory, CLP Annex VI, Open Databases, etc.)

## the inREACH Project why

Management of information related to chemicals that may fall under **different Regulations** (REACH, Cosmetics, Agrochemicals, etc.)

## Gaps, issues, criticalities

Gaps in **Regulations harmonization** between European Union and Third Countries (eg. REACH like)

REACH Regulation does not foresee explicitly the definition of a **proper role for Customs** with impacts on procedures, operations and responsibilities allocation over the Supply Chain



**Customs Clearance:** avoiding problems and delays given by REACH non-conformity at EU border control level

**Interpretation** gaps related to legal texts

**Traders:** import of substances exploiting a unique registration number used to access different Member States market

**the inREACH Project**  
**why**

## Gaps, issues, criticalities

More than **20** different ICT Tools  
reported into the Project Specific Report 2



**the inREACH Project**  
**why**

## Gaps, issues, criticalities

### REACH status verification + Logistics information

Who (legal entity) Why (exempted, pre-registered, registered...), and When (deadline for registration, or registration number).



“REACH Legal entities” may be different from “Customs clearing Legal Entities” >>> there must be precise and transparent information for Enforcement Authorities

**Focus on the Importer** At Customs level information is focused on the subject actually carrying on clearing procedures. But it might not be the importer itself, which may delegate procedures to a Freight Forwarder.

Furthermore, **Traders** are not always exporters themselves, but it may be a Trading Company buying items from extra-UE Producer(s) - more than one - and forwarding goods throughout the Supply Chain to Europe

**the inREACH Project**  
**why**

## Gaps, issues, criticalities

“There is a relevant need for ensuring that goods imported into EU will **undergo the same checks** foreseen for the equivalent goods produced here in EU territory because potential environmental impacts or adverse effects are strictly related to (and focused on) the fact that their final use (e.g. toys, paints, etc.) take place in the EU territory, not where production was made (outside EU)”



**the inREACH Project**  
**why**



## Preparatory Actions | Extended Stakeholders Forum

established for helping fulfilling the general purposes of the project (e.g. seminars, report and deliverables discussion and contribution)

**170** selected Stakeholders to date



### Target Audience

Manufacturers, Companies established outside EU, Only Representative of the non-EU manufacturer established in the EU, Downstream users, Formulators, End-Users, Producers of Articles, Re-fillers, Re-importers, Importers with a “Only-representative”, Enforcement Authorities, Customs Agencies, ECHA

**the inREACH Project  
how**

# Preparatory Actions | inREACH Framework: 25 Critical Issues impacting REACH Regulation Implementation

5 major impacts of REACH -> 5 Specific Reports, 5 issues each



- Regulation (Regional, National, EU, World);
- Procedures and Technologies (Workflows, ICT, Web Services, Databases, Saas, legacy systems, etc.);
- Science (Definition of standard Sampling Protocols for REACH analyses);
- Transports and Logistics (Impacts of the REACH Regulation on the Supply Chain);
- Science-Politics integration (Capacity Building and Education/Training).

**the inREACH Project**  
**how**



# the inREACH Project

## how

# Implementation Actions | inREACH Framework: design, implementation, deployment

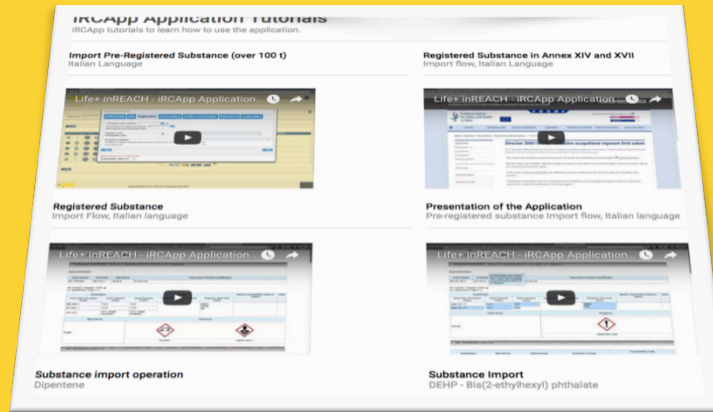
inREACH is a **DEMONSTRATION PROJECT** implemented with focus on technical and economical viability of a Framework impacting the environmental problem targeted



**The inREACH Framework** is an operation and process model, supported by an ICT cloud platform (iRCApp), delivered to support check of completeness and compliance to REACH for information related to chemicals at the EU import stage

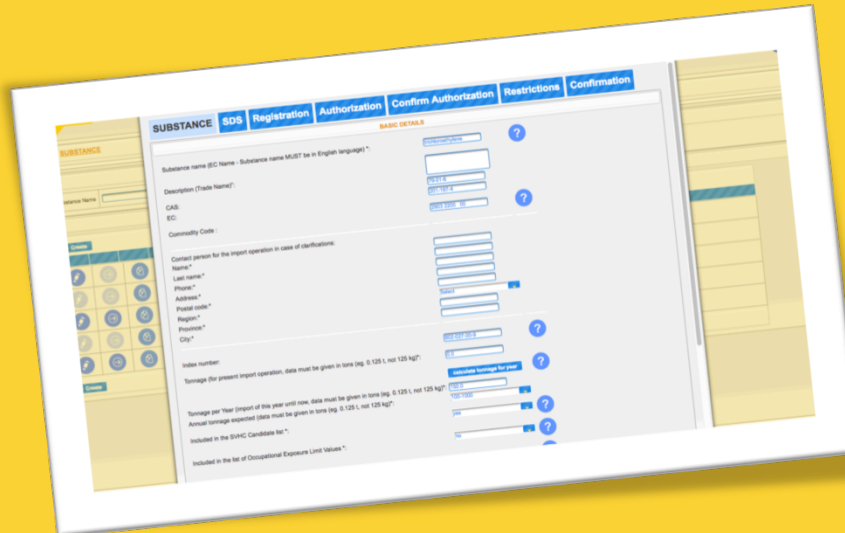
## the inREACH Project how

The project will deploy DEMO activities at national level with reference to EU/EC scenario (+ exploitation)



See the tutorials on the project web site [www.inreachproject.eu](http://www.inreachproject.eu)

Create your account at the url <http://52.19.221.241:8080/InReach/> or drop us a line 😊



the IRCApp application

# And make your selection!

## Import Operation - make a selection

01CHsub		subject to REACH as import operation related to substance, regardless of tonnage	
01CHmix		subject to REACH as import operation related to mixture, regardless of tonnage	
02CH		subject to REACH as import operation related to articles, regardless of tonnage	
03CH		re-import of substances/mixtures (substance registered in EU from other European subject or OR). This operation is carried out by a downstream user or a trader	
04CH		not subject to REACH because of import of substance/mixture clearly excluded (e.g. food, medicines, etc.)	

### Legenda

- 01CHsub-01CHmix-02CH
- 03CH
- 04CH

**the IRCApp  
application**



## MASTER UNIVERSITARIO DI SECONDO LIVELLO

### “MANagement of CHEmicals (Reach): processi, controllo e gestione”

Laureati in materie tecnico-scientifiche in possesso di conoscenze riferite alla chimica, biologia, tossicologia, ecotossicologia ma anche alle problematiche ambientali e alla normativa europea.

Il Master intende infatti formare specialisti, esperti di sicurezza e impatto ambientale delle sostanze classificate dal punto di vista chimico, in grado di valutare le ricadute ambientali nella produzione e nell'uso di una sostanza e di prevedere l'impatto sulla salute delle persone a seguito dello studio degli scenari espositivi ed applicativi.

Tali competenze dovranno essere integrate da aspetti giuridico-normativi, approfondimenti relativi all'impatto del Reach sulla filiera del trasporto merci e le problematiche di ispezione e controllo. Consiglio Nazionale dei Chimici: riconoscimento 75 CFP

info: [manche.dicca.unige.it](http://manche.dicca.unige.it)

Domande ammissione: [servizionline.unige.it/studenti/post-laurea/master](http://servizionline.unige.it/studenti/post-laurea/master)

**entro il 9 gennaio 2017**



**“Reach” the Project web site at  
[www.inreachproject.eu](http://www.inreachproject.eu)**

Feedback from Stakeholders needed!

**twitter: @Life\_inREACH**

**Linkedin Group: LIFE+ inREACH**

[stefano.gianazzi@ticass.it](mailto:stefano.gianazzi@ticass.it)





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# TOWARDS A REACH NATIONAL SINGLE WINDOW FOR REACH IMPORT OPERATIONS

the *Life+ inREACH* project + the *inREACHToEnforcement* initiative  
a win-win solution for Enforcement and Importers



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Stefano Gianazzi - Gustavo Capannelli | Ticass scrI  
[stefano.gianazzi@ticass.it](mailto:stefano.gianazzi@ticass.it) - [www.ticass.it](http://www.ticass.it)



## STAGE

# 1

### **Scenario components** (2014 onwards)

Regulation (EC) No 1907/2006 (REACH)

Door to Door Chemicals International Supply Chains

Extra EU Producers and Importers managed information (REACH, Logistics)

REACH National Competent Authorities, Customs, SMEs, Enterprises

## STAGE

# 2

### **Process Intelligence** (“ECHA, we have a problem!”)

Critical Issues definition, RoadMap with Policy and Technical suggestions

Import operations related information: focus on processes and information set

Framework definition: process model + supporting ICT

## STAGE

# 3

### **Demonstration** (it works!)

Enforcement and Professional Associations validation

Test with Enforcement, SMEs, Enterprises

Feedbacks

## STAGE

# 4

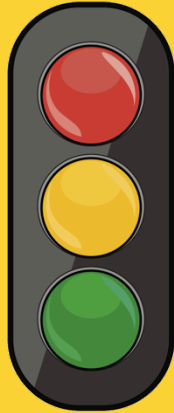
### **Exploitation of Results** (Italy paving the way)

REACH included in the Customs National Single Window Technical Committee

Agreement: Life+ inREACH Project results (the “Framework”) given to RNCA

**inREACHToEnforcement initiative:** implementation into Min. della Salute “NSIS”

# TOWARDS A NATIONAL SINGLE WINDOW FOR REACH IMPORT OPERATIONS



## REACH Compliance Self-check for Importers

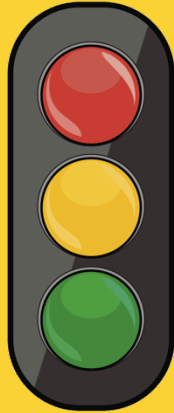
“Red Light” or “Green Light” before beginning of import operations (**REACH “preclearing”**), virtually setting to zero chances of goods blocked in ports or elsewhere by Customs/ Inspectors for documentation non-compliance

Predefined shortlist of information required for REACH compliant import operations to be asked to non-EU producers/distributors and involvement of **traders**

Focused/limited subset of **above Information required by Enforcement defined together with Stakeholders under Reach/CLP Regulations umbrella**

Knowledge of “problem cases” when goods are still outside EU

# TOWARDS A NATIONAL SINGLE WINDOW FOR REACH IMPORT OPERATIONS



## REACH Compliance Check for Authorities

A **streamlined and unified approach** to required data completeness and REACH coherence

**Approach based on Information**, not Authorization, (as e.g. Maritime Health - USMAF)

Simplified regulatory compliance check by Inspectors - **transparency for Customs** (no additional tasks)

Overcoming Customs Codes limited information content for REACH related statistical evaluation

# TOWARDS A NATIONAL SINGLE WINDOW FOR REACH IMPORT OPERATIONS



## EU class information management

Where is going Europe? e.g. Directive 2010/65 aims to **simplify** and **harmonize** the administrative procedures applied to maritime transport by establishing a standard **electronic transmission of information** and by rationalizing reporting formalities for ships arriving in and ships departing from European Union (EU) ports

Many Companies developed **legacy systems for management of REACH data**, but these are not able to handle any **interoperability with Enforcement** - software connectors to protect ICT relevant investments

Direct operational **support to Importers Staff** (buyers need less support from REACH Dept. or Consultants)

# TOWARDS A NATIONAL SINGLE WINDOW FOR REACH IMPORT OPERATIONS



## Competitive Advantage for Enterprises and SMEs

Shippers (even South. European) prefer Northern Range Ports not because Customs carry out “softer” REACH Controls, but because of efficiency gaps impacting transit times and port performance boosted by digitalisation

**Time savings** related to predefined and streamlined procedures

**Monetary savings** by not incurring in stopover fees and sanctions

Fair application of regulation requirements to all players (**level playing field**)

Certified data on quantities imported in EU strongly needed for sound **Socio-Economic Impact Assessment**

# TOWARDS A NATIONAL SINGLE WINDOW FOR REACH IMPORT OPERATIONS



## Supporting Enterprises and SMEs in RNSW take-up

Import operations (e.g. substances in Articles)  
-> control duties to Importers -> often face  
issues with information related to chemicals in  
products or half-processed items shipped from  
extra-EU Countries

### **EXTRA-EU PRODUCER/SUPPLIER out of REACH Umbrella e.g. SVHC**

To date only negotiation applicable ->  
Responsibility borne by Companies

Tools used under WTO framework ->  
**contractual clauses** binding Extra EU  
Producers (Confindustria Position Paper  
11/2015) e.g. express termination clauses  
(ETCs), penalty clause, Annex to the Contract  
including product information