



Agenzia nazionale per le nuove tecnologie,  
l'energia e lo sviluppo economico sostenibile

# The importance of REACH Regulation for the circularity of resources

*EIT RawMaterials Course “Circular Economy” – 18 November 2020*

**Sabrina Moro Iacopini, ENEA-SSPT-RISE**



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# Circular Economy and Regulatory regime

The three most relevant laws for Circular Economy:

- the Ecodesign Framework Directive (EFD),
- the Waste Framework Directive (WFD)
- the **REACH regulation** (Registration, Evaluation, Authorisation of Chemicals)

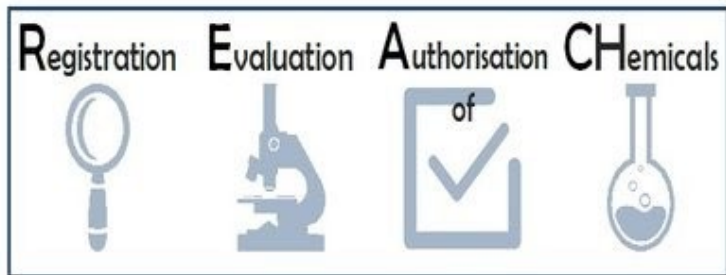
# REACH has an impact on most companies across the EU

REACH is a **regulation** of the European Union, **adopted to improve the protection of human health and the environment**, while enhancing the competitiveness of the EU chemicals industry.

In principle, **REACH applies to all chemical substances**



# REACH instruments



Registration

Evaluation

Authorization and Restriction of

Chemicals

# SVHC: substances of very high concern

**SVHCs are substances that may have serious and often irreversible effects on human health and the environment.**

SVHC are defined in Article 57 of the REACH Regulation and include substances which are:

- Carcinogenic, Mutagenic or toxic to Reproduction (**CMR**) 1 A and 1 B according to the CLP Regulation
- Persistent, Bioaccumulative and Toxic (**PBT**) or very Persistent and very Bioaccumulative (**vPvB**) according to the criteria in Annex XIII of the REACH Regulation,
- Identified, on a case-by-case basis, from scientific evidence as causing probable serious effects to human health or the environment of an **equivalent level of concern as those above** (e.g. endocrine disruptors)



# SVHC: new concerns in the future

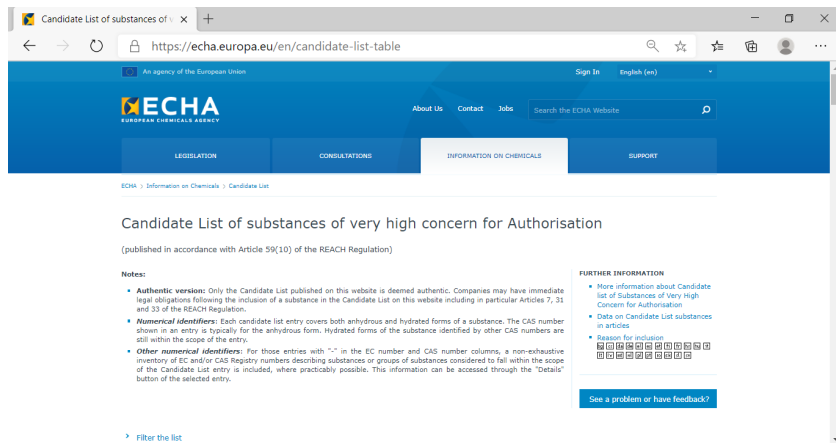
**Year 2022**

Proposal to amend REACH Article 57 to **add the following substances** to the list of substances of very high concern:

- **endocrine disruptors**
- persistent, mobile and toxic (**PMT**) and very persistent and very mobile (**vPvM**)

# The Candidate List

SVHCs are listed in the **Candidate List**. To date, **209 substances**



Companies may have **legal obligations** resulting from the **inclusion of substances in the Candidate List**

# The Authorization List, the place where bad chems go to die

SVHCs, when used in high volumes or with dispersive use, are included in **Annex XIV**, list of substances subject to **authorisation**



**The authorization instrument is an expression of the substitution principle:** these substances are progressively replaced by suitable alternatives or processed by environment friendly technologies, when economically and technically viable



# The Restriction

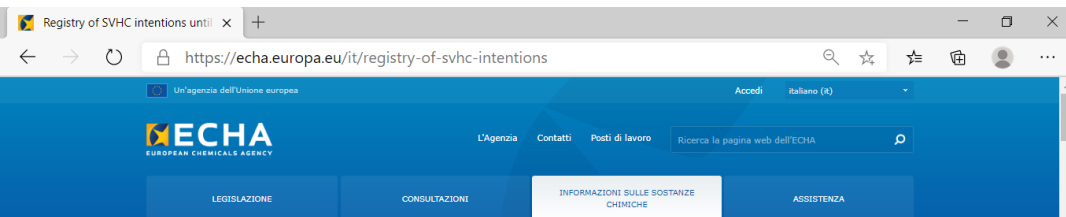
SVHCs substances could also be included in **Annex XVII**, the list of substances subject to **restriction**



**Restrictions are an expression of substitution principle:**  
restrictions may limit or ban the manufacture, placing on the market or use of a substance. A restriction (progressively) facilitates the substitution of certain chemicals – evidently, a total ban is the ultimate expression of the substitution principle

# ECHA – Registry of Intention

<https://echa.europa.eu/it/registry-of-svhc-intentions>



## Registry of SVHC intentions until outcome

The registry of SVHC intentions until outcome aims to make interested parties aware of the substances for which an SVHC dossier is planned to be submitted to ECHA.

Member States, or ECHA at the request of the European Commission, may propose a substance to be identified as a substance of very high concern (SVHC) by preparing a dossier in accordance with the requirements set out in Annex XV to REACH.

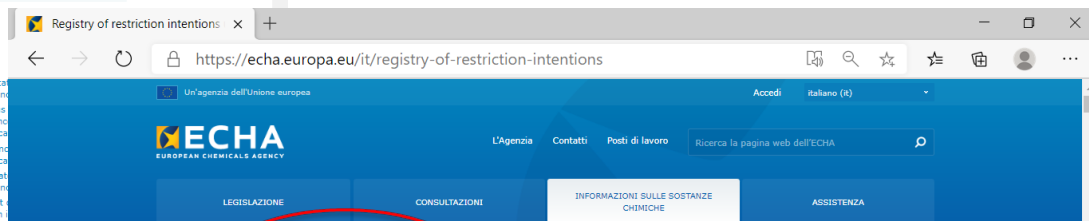
Interested parties can follow the progress of a proposal through the SVHC identification process, from the notification of the intention until the outcome. The advance notice gives interested parties time to prepare for commenting later in the process.

Interested parties with relevant information on the identity or hazard properties of the substance may submit such information during the consultation.

Last updated 10 novembre 2020. Database contains 231 unique substances/entries.

[Filter the list](#)

<https://echa.europa.eu/it/registry-of-restriction-intentions>



## Registry of restriction intentions until outcome

The registry of restriction intentions until outcome lists the intentions and Annex XV restriction proposals received by ECHA.

A restriction proposal may be prepared by a Member State or by ECHA at the request of the Commission or on its own initiative for substances in the Authorisation List. It is a legal requirement for a Member State to notify ECHA of its intention to prepare a restriction dossier. The advance notice enables interested parties to plan and prepare for commenting later on.

Interested parties can follow the progress of a proposal through the restriction process, from the notification of the intention to the adoption of the final opinions by the Committee for Risk Assessment (RAC) and the Committee for Socio-economic Analysis (SEAC), and the adoption of the restriction by the European Commission.

Stakeholders are encouraged to submit any relevant information to the dossier submitters during the preparation of the restriction proposal and during the consultations. Information to motivate any exemptions to the scope described in the intention is particularly useful to receive in the preparatory phase of the dossier.

Last updated 12 novembre 2020. Database contains 41 unique substances/entries.

[Filter the list](#)

# ECHA – Online support

<https://www.echa.europa.eu/substitution-to-safer-chemicals>

The screenshot shows a web browser window with the address bar displaying <https://www.echa.europa.eu/substitution-to-safer-chemicals>. The page header includes the ECHA logo, navigation links (About Us, Contact, Jobs), a search bar, and a language selector set to English (en). Below the header, a breadcrumb trail reads: ECHA > Legislation > REACH > Substitution to safer chemicals.

## Substitution to safer chemicals

Companies in the EU are increasingly substituting away from hazardous chemicals and manufacturing processes to safer chemicals and greener technologies. This can bring substantial benefits to the companies, the environment and the health of workers and consumers. It can also have a significant positive impact on the implementation of a circular economy.

**ONLINE TRAINING**

- Introductory training on analysis of alternatives to hazardous substances.  
[Read more](#)

### Supply chain workshops

Supply chain workshops are intended to advance research, evaluation and adoption of safer chemicals.

### Networks

Collaborative networks play an important role in coordinating and advancing innovation and informed substitution.

### Funding and technical support

Facilitating access to technical support and additional funding is critical to boosting substitution away from hazardous chemicals.

### Data to prevent regrettable substitution

More effective use of REACH, CLP and BPR data in performing hazard and risk assessment of alternatives can help prevent the instances of regrettable substitution.

Why substitute?

How to substitute?

Real-life cases

Find substitution partners

News and activities

Disclaimer


# ECHA - Online training

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Why substitute?




How to substitute?



Real-life cases



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News and activities

# ECHA - Funding and technical support

Funding and technical support - x +

https://www.echa.europa.eu/funding-and-technical-support

Italy

**Tax Credit for R&D (Ministry for Economic Development)**

Type of support	Financial
Description	Tax Credit for R&D is aimed at companies intending to invest in fundamental research, industrial research and experimental development in the period from 2017 to 2020. The measure provides the possibility of obtaining a tax relief in the form of a tax credit of 50%. The bonus is accessible to all companies, regardless of company size, legal form, sector of activity and accounting system adopted.
Web address	<a href="http://www.mise.gov.it">www.mise.gov.it</a> [IT] <a href="http://www.evilappoeconomico.gov.it/images/stories/documenti/investment_impresa_40_eng.pdf">http://www.evilappoeconomico.gov.it/images/stories/documenti/investment_impresa_40_eng.pdf</a> [PDF] [EN]

**Nuova Sabatini (Ministry for Economic Development)**

Type of support	Financial/technical
Description	Nuova Sabatini is aimed at supporting businesses requesting bank loans to invest in new capital goods, machinery, plant, factory equipment for use in production and digital technologies (hardware and software).
Web address	<a href="http://www.evilappoeconomico.gov.it/index.php/4/incentivi/impresa/beni-strumentali-nuova-sabatini">http://www.evilappoeconomico.gov.it/index.php/4/incentivi/impresa/beni-strumentali-nuova-sabatini</a> [IT]

(24 di 24) - Appunti  
Elemento non prelevato:  
eliminare degli elementi  
per aumentare lo spazio  
disponibile.

safer-chemicals

... and manufacturing processes to safer chemicals  
... the environment and the health of workers and  
... of a circular economy.

**ONLINE TRAINING**

Introductory training on analysis of alternatives to hazardous substances.

- Read more

**Funding and technical support**

Facilitating access to technical support and additional funding is critical to boosting substitution away from hazardous chemicals.

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of safer chemicals.

innovation and informed substitution.

Why substitute?

How to substitute?

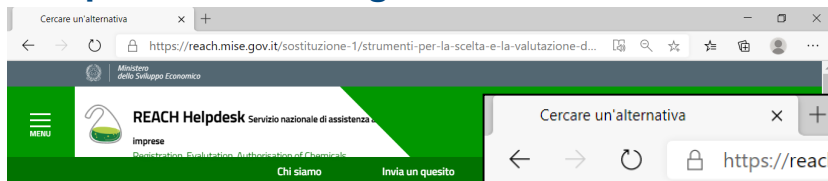
Real-life cases

Find substitution partners

News and activities

# HD REACH - where to look for alternatives

<https://reach.mise.gov.it/sostituzione-1/strumenti-per-la-scelta-e-la-valutazione-delle-alternative>



## Cercare un'alternativa

Esistono diversi strumenti a supporto delle imprese per la ricerca, la valutazione, l'analisi e la verifica della disponibilità delle sostanze alternative e per lo studio della fattibilità economica correlata all'ipotetica scelta dell'alternativa.

La vostra impresa deve sostituire una sostanza pericolosa perché è imposto dalla normativa? Vuole sostituire una sostanza in seguito alle richieste dei propri clienti? Vuole sostituire per innovare?

Qualsiasi sia la ragione che spinge l'impresa a sostituire, i passaggi da seguire si equivalgono.

Indicazioni generali su come apprezzare la sostituzione sono disponibili nella pagina [Substitution of hazardous chemicals](#).

This screenshot displays the main content area of the REACH Helpdesk website. The header is identical to the previous image. The main heading is 'Cercare un'alternativa'. Below it, the text 'Come raccogliere altre informazioni utili per la sostituzione' is followed by a list of resources:

1. Rivolgendosi ad associazioni di settore, università ed enti di ricerca, letteratura, fornitori di sostanze;
2. Utilizzando portali e database online, quali:
  - **OECD Substitution and Alternatives Assessment Toolbox**: Questo sito dell'OECD consente di individuare Tools e Database che contengono informazioni utili a identificare le alternative; offre guide ed esempi di casi studio.
  - **SUBSPORTplus** è un Portale nato da un progetto europeo LIFE+ che contiene, tra le altre, informazioni utilissime per una sostituzione consapevole, con un database con casi studio e numerosi link e novità sulla sostituzione.
  - **ChemSec Marketplace**: Il Marketplace è un sito Web business to business in cui acquirenti e venditori di alternative possono interagire. Non solo offre un'opportunità di mercato unica per i produttori delle alternative, ma anche uno sportello unico per le società di utilizzatori che desiderano sostituire sostanze chimiche pericolose nei loro prodotti. Il Marketplace ricorda altri siti Web di contenuti creati dagli utenti. Proprio come eBay o Airbnb, è possibile creare i propri annunci, mostrando a tutti che si ha un'alternativa da vendere o che si vorrebbe acquistarne una.
  - **ANSES: Substitution-CMR**: L'Agenzia francese per la sicurezza ambientale e della salute sul lavoro (Afsset) ha sviluppato questo strumento per sostenere la sostituzione di sostanze chimiche classificate come CMR 1 o / e 2. Il sito web contiene diverse risorse per aiutare gli utenti a sostituire: metodologie, schede tecniche per CMR e alternative, storie di successo, ecc.
  - **Portale OECD sulle sostanze per- e poli-fluoroalchiliche**: Questo portale dedicato serve a facilitare lo scambio di informazioni sulle sostanze chimiche per- e poli-fluorurate,...

On the right side of the content area, there are three logos: the OECD logo (a globe with the text 'OECD'), the chemsec SIN LIST logo (with 'chemsec' in blue and 'SIN LIST' in red), and the SUBSPORT logo (a green diamond shape with 'SUBSPORT' in white and 'Substitution Support Portal' in black below it).

# Recycled substances

REACH regulates virgin substances as well as recycled substances. When the waste ceases to be waste , falls automatically inside the scope of REACH

**The recovery operator needs to ensure that the recovered substances comply with the authorisation and with restrictions**



# The information void

The biggest problem for recyclers of waste is that it is very hard for them to gather useful information on the waste's composition





# The SCIP database

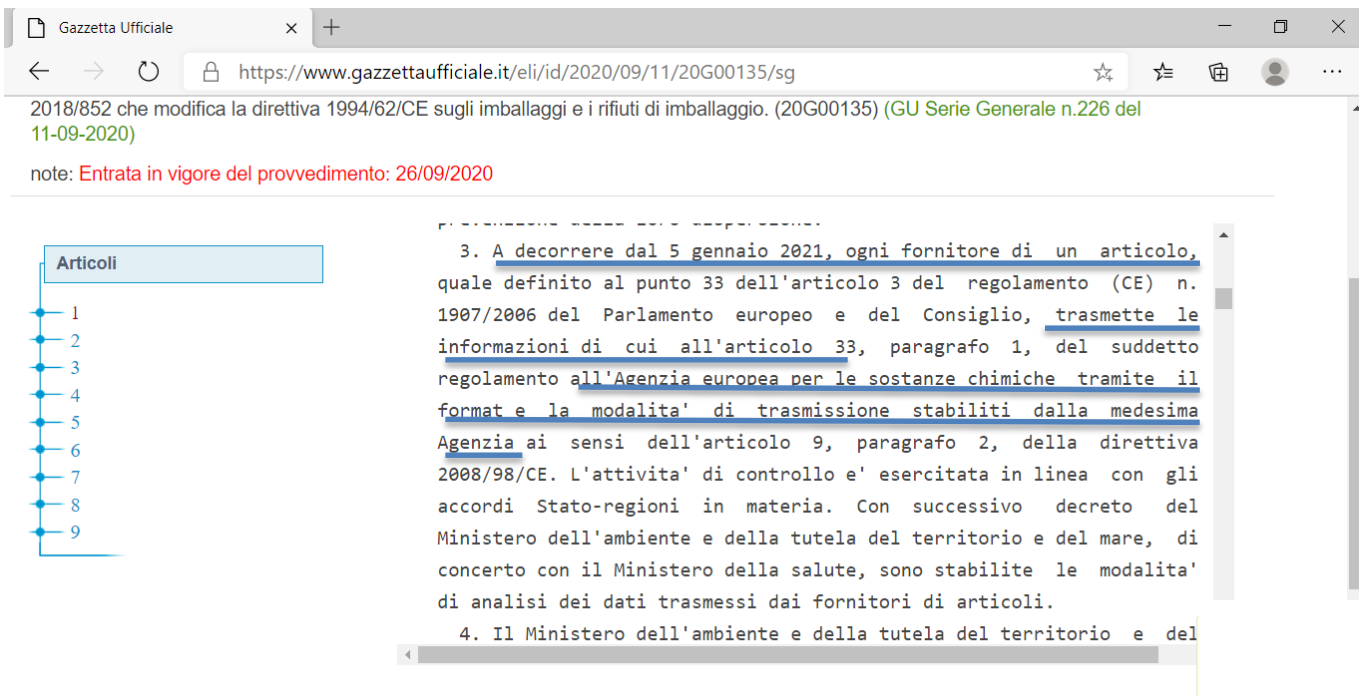
**SCIP is a database established under the Waste Framework Directive (2008/98/EC)**

**Any supplier of articles containing a substance of very high concern (SVHC) on the Candidate List above 0,1% w/w need to submit this information to ECHA **from 5 January 2021** onwards.**



# The SCIP database

The Dlgs. 116/2020 contains the amendment provision to Article 180 of Testo Unico Ambientale



The screenshot shows a web browser window with the address bar displaying <https://www.gazzettaufficiale.it/eli/id/2020/09/11/20G00135/sg>. The page title is "Gazzetta Ufficiale". The main content area displays the text of the amendment, which modifies the directive 1994/62/CE on packaging and packaging waste. The text is in Italian and includes a note: "note: Entrata in vigore del provvedimento: 26/09/2020". On the left side, there is a table of contents with the heading "Articoli" and a list of numbers 1 through 9. The main text area shows the following paragraphs:

3. A decorrere dal 5 gennaio 2021, ogni fornitore di un articolo, quale definito al punto 33 dell'articolo 3 del regolamento (CE) n. 1907/2006 del Parlamento europeo e del Consiglio, trasmette le informazioni di cui all'articolo 33, paragrafo 1, del suddetto regolamento all'Agenzia europea per le sostanze chimiche tramite il format e la modalità di trasmissione stabiliti dalla medesima Agenzia ai sensi dell'articolo 9, paragrafo 2, della direttiva 2008/98/CE. L'attività di controllo è esercitata in linea con gli accordi Stato-regioni in materia. Con successivo decreto del Ministero dell'ambiente e della tutela del territorio e del mare, di concerto con il Ministero della salute, sono stabilite le modalità di analisi dei dati trasmessi dai fornitori di articoli.

4. Il Ministero dell'ambiente e della tutela del territorio e del

# ECHA – SCIP Online support

<https://echa.europa.eu/it/scip-support>

The screenshot shows the ECHA SCIP Online support website. The browser address bar displays the URL <https://echa.europa.eu/it/scip-support>. The website header features the ECHA logo and navigation links: "L'Agenzia", "Contatti", "Posti di lavoro", and a search bar. Below the header, a blue navigation bar contains four tabs: "LEGISLAZIONE", "CONSULTAZIONI", "INFORMAZIONI SULLE SOSTANZE CHIMICHE", and "ASSISTENZA". The main content area is titled "Supporto SCIP" and includes a sidebar on the left with a tree view of topics. The sidebar lists "WFD" as the main category, with sub-items: "Comprendere la direttiva quadro sui rifiuti", "Banca dati SCIP", "Fornitori di articoli", "Gestori di rifiuti", "Consumatori e SCIP", "Supporto SCIP" (highlighted), "SCIP IT user group", "Events", "Strumenti", "SCIP infographic", and "Legislazione". The main content area under "Supporto SCIP" provides an overview of the support materials and lists links to "Information requirements" and "SCIP Database Notifications". A "RELATED" section at the bottom lists additional resources. The footer includes the ENEC logo, a "Start" button, and social media icons.

Supporto SCIP - ECHA

<https://echa.europa.eu/it/scip-support>

ECHA  
EUROPEAN CHEMICALS AGENCY

L'Agenzia Contatti Posti di lavoro

Ricerca la pagina web dell'ECHA

LEGISLAZIONE CONSULTAZIONI INFORMAZIONI SULLE SOSTANZE CHIMICHE ASSISTENZA

ECHA > Legislazione > WFD > Banca dati SCIP > Supporto SCIP

WFD

- Comprendere la direttiva quadro sui rifiuti
- Banca dati SCIP
  - Fornitori di articoli
  - Gestori di rifiuti
  - Consumatori e SCIP
  - Supporto SCIP
    - SCIP IT user group
    - Events
- Strumenti
- SCIP infographic
- Legislazione

Supporto SCIP

Materiale di supporto e la sezione domande e risposte sono a disposizione per aiutare le aziende a comprendere la banca dati SCIP e a preparare le informazioni relative agli articoli che contengono sostanze presenti nell'elenco di sostanze candidate in una concentrazione superiore a 0,1 % p/p. Qualora le informazioni necessarie non risultino reperibili è possibile contattare l'ECHA.

Information requirements

- Requirements for SCIP Notifications [PDF] [EN]
- Materials categories for the SCIP database [PDF] [EN]

SCIP Database Notifications

- How to prepare and submit a SCIP notification [PDF] [EN]
- Tools to refer to SCIP data already submitted to ECHA [PDF] [EN]
- Validation rules for SCIP notifications [PDF] [EN]
- Dissemination and confidentiality in the SCIP Database [PDF] [EN]

RELATED

- Detailed Information Requirements for the SCIP database (September 2019) [PDF] [EN]
- Stakeholder consultation on information requirements (Wood, 2019) [PDF] [EN]
- Safe use instructions and the SCIP database — stakeholder views and current practices (Wood, 2019) [PDF] [EN]
- Supporting the development of appropriate material categories for the SCIP database [PDF] [EN]

Questions and answers  
Contact ECHA

ENECA

Start

f t y o r s

# ECHA – SCIP Infographic

<https://echa.europa.eu/it/scip-infographic>


SCIP infographic - ECHA

← → ↺ 🔒 <https://echa.europa.eu/it/scip-infographic> 🔍 ☆ ⚙️ 👤 ⋮

### CHE COS'È SCIP?

SCIP è la banca dati contenente informazioni relative a sostanze preoccupanti in articoli in quanto tali o in oggetti complessi (prodotti) istituita a norma della direttiva quadro sui rifiuti.


**Obiettivi generali**




### CHE COSA BISOGNA FARE?

La banca dati SCIP mira ad approfondire la conoscenza delle sostanze chimiche pericolose contenute in articoli e prodotti durante il loro intero ciclo di vita, anche nella fase di smaltimento dei rifiuti.


Quali sono gli **obblighi**?



ARTICOLO




>0.1%  
Peso/peso

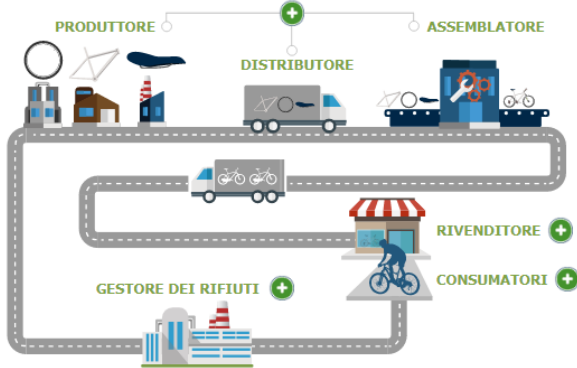


### Definizioni

Clicca sulla bicicletta



### Che cosa occorre fare?



# ECHA – SCIP Infographic


<https://echa.europa.eu/it/scip-infographic>

SCIP infographic - ECHA

<https://echa.europa.eu/it/scip-infographic>

## CHE COS'È SCIP?

### CHE COSA OCCORRE FARE?



**PRODUTTORE** **DISTRIBUTORE** **ASSEMBLATORE**

Occorre notificare all'ECHA le informazioni seguenti:

- identificazione dell'articolo,
- il nome, l'intervallo di concentrazione e l'ubicazione delle sostanze presenti nell'elenco delle sostanze candidate contenute nell'articolo,
- altre informazioni che consentano l'uso sicuro dell'articolo, in particolare che ne garantiscano la corretta gestione quando viene smaltito.


Le informazioni contenute nella banca dati SCIP sono messe a disposizione del pubblico, in particolare dei gestori di rifiuti e dei consumatori.

L'ECHA garantisce la protezione delle informazioni sensibili, ad esempio i legami tra i soggetti della stessa catena di approvvigionamento.

## CHE COSA BISOGNA FARE?


La banca dati SCIP mira ad approfondire la conoscenza delle sostanze chimiche pericolose contenute in articoli e prodotti durante il loro intero ciclo di vita, anche nella fase di smaltimento dei rifiuti.

### Quali sono gli obblighi?



ARTICOLO **>0.1%** Peso/peso **SCIP Database**

### Che cosa occorre fare?



**PRODUTTORE** **DISTRIBUTORE** **ASSEMBLATORE** **RIVENDITORE** **CONSUMATORI** **GESTORE DEI RIFIUTI**

# ECHA – SCIP Webinar

<https://echa.europa.eu/it/webinars>

The screenshot shows a web browser window with the address bar displaying <https://echa.europa.eu/it/webinars>. The page header includes the ECHA logo, navigation links (L'Agenzia, Contatti, Posti di lavoro), and a search bar. Below the header, there are four main menu items: LEGISLAZIONE, CONSULTAZIONI, INFORMAZIONI SULLE SOSTANZE CHIMICHE, and ASSISTENZA. The page content is titled "Webinar" and provides information about online sessions, including registration details and a list of upcoming webinars. A table at the bottom shows a timeline from 2020 to 2011, with a link to "All Webinars". A banner at the bottom of the page promotes a webinar on "Get ready to submit your SCIP notification" on November 19, 2020.

Webinar - ECHA

Un'agenzia dell'Unione europea

Accedi italiano (it)

ECHA  
EUROPEAN CHEMICALS AGENCY

L'Agenzia Contatti Posti di lavoro

Ricerca la pagina web dell'ECHA

LEGISLAZIONE CONSULTAZIONI INFORMAZIONI SULLE SOSTANZE CHIMICHE ASSISTENZA

ECHA > Assistenza > Webinar

## Webinar

Webinars are information sessions hosted online, and consisting of presentations, video and other interactive features such as questions and answers, desktop sharing and audio conferencing. Up to one thousand participants can remotely join a webinar at once.

A registration link will be available for each individual webinar closer to the event date and all webinars, including a webinar programme and registration link will be announced in ECHA's weekly e-News.

The webinar programme is subject to change. Exact dates will be confirmed as they become available.

Each webinar will be recorded and later published on the ECHA website.

Upcoming	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	All Webinars
----------	------	------	------	------	------	------	------	------	------	------	--------------

> [Get ready to submit your SCIP notification](#)

19 novembre 2020  
11:00 - 15:00 EET, GMT +2

G f t w y s

Sabrina Moro Iacopini  
ENEA-SSPT-RISE



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0101 0010 1101  
0001 0110 1110  
1101 0010 1101  
1111 1010 0000

