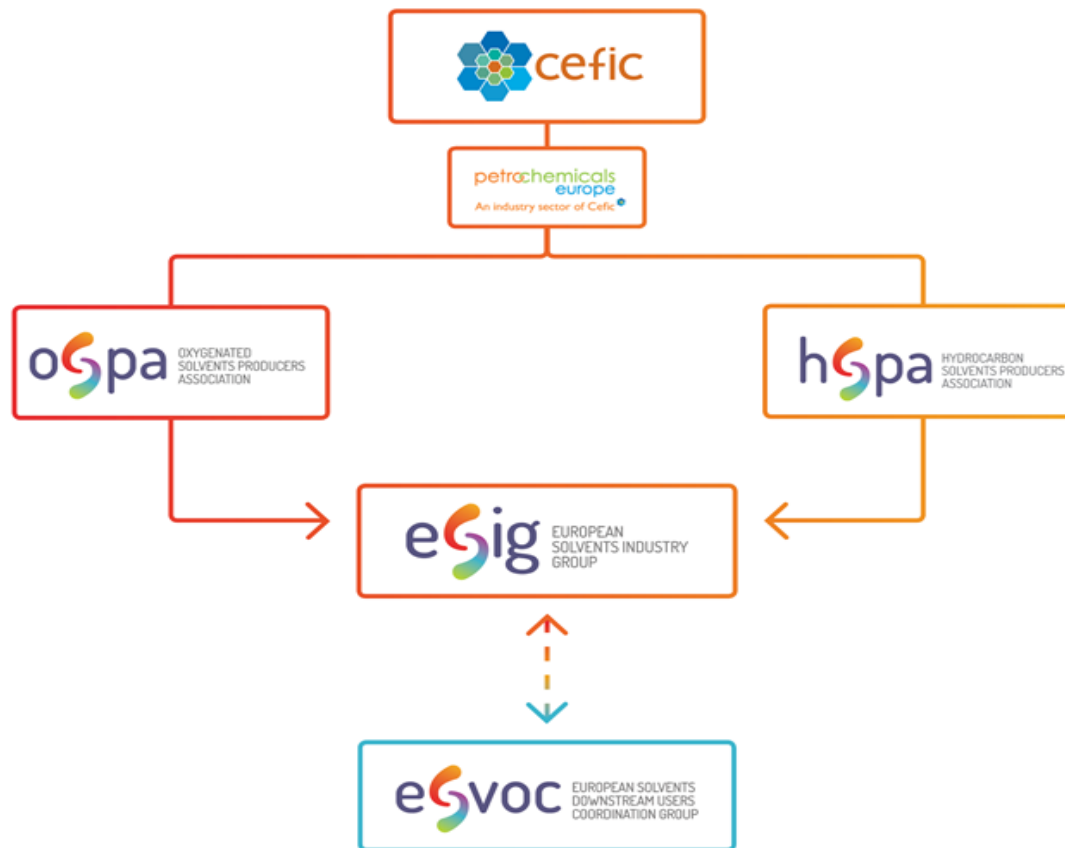




# Environment & occupational safety and health (OSH)

Examples of innovative handling of solvents from the point of view of the environment & OSH



- THIS IS A VIEW FROM MANUFACTURERS OF OSPA/HSPA

SOLVENTS USES ARE VERY DIVERSIFIED AND SECTORS MIGHT HAVE DEDICATED MEASURES IN PLACE

EXAMPLES FROM FLEXIBLE PACKAGING PRINTING



# WHAT IS IN PLACE

1. EXISTING LEGISLATION
2. REACH
3. CLP
4. SOLVENTS@WORK



# WHAT DO WE HAVE?

## 1. EXISTING LEGISLATION

### Industrial Emission Directive

- STS BREF

### National Emission Ceiling Directive

### Decorative Paint Directive

### Ambient Air Directives

### OSH legislations

- CMD/CAD...
- OELs



**REACH**  
**CLP**



# WHAT DO WE HAVE?

## 2. REACH

Exposure assessment is carried out for  
**human health and the environment**

### When?

- registration of substances under REACH that are classified
- registration of substances sold at > 10 tonnes



# WHAT DO WE HAVE?

## 2. REACH

Exposure assessment is carried out for  
**human health and the environment**

- required to cover all the identified uses of the substance throughout the supply chain
- with any measures identified for the **demonstration of safe use** communicated via Exposure Scenarios in an Annex to the Safety Data Sheet (SDS)



# WHAT DO WE HAVE?

## 2. REACH

more than 1,000  
different solvents  
used  
in hundreds of  
different  
applications,  
industry



exposure  
scenarios  
required





# WHAT DO WE HAVE?

## 2. REACH

- generic approach to consolidate the many different solvent applications into **Generic Exposure Scenario (GES)** titles
- over 20 GES we developed cover around 90% of solvent uses today
- cover exposure related to workers (industrial and professional), consumers and the environment
- GES part of ECHA use map library



# WHAT DO WE HAVE?

## 2. REACH

### GES =

- reduce complexity
- harmonise compliance across the value chain
- collaborative effort with downstream users, via ESVOC, our Downstream User Co-operation Group
- collaboration was vital to establish effective use mappings and a comprehensive phrase library



# WHAT DO WE HAVE?

## 3. CLP

- is legally binding across the EU Member States & directly applicable to all industrial sectors
- requires manufacturers, importers or downstream users of substances or mixtures to **classify, label and package their hazardous chemicals** appropriately before placing them on the market



# WHAT DO WE HAVE?

## 3. CLP

- Though CLP is a separate legislation, the information it generates is part of **REACH registration**.
- The European Chemicals Agency (ECHA) is the lead authority for its implementation.



# WHAT DO WE HAVE?

## 3. CLP

- allows for the identification of hazardous chemicals + the communication of these hazards to users through labelling
- provides the basis for safety data sheets (SDS) regulated under the REACH Regulation, and
- sets requirements for the packaging of hazardous chemicals



# WHAT DO WE HAVE?

## REACH & CLP SUPPORT THE APPROACH



# WHAT DO WE HAVE?

## 4. OVERVIEW - SOLVENTS@WORK

- Safety videos (f.i. RCP)
- Best Practices Guidelines
- Solvents Training
- ONGOING: ESIG Solvents Award (former Product Stewardship Award)





# WHAT DO WE HAVE?

## 4.ESIG SOLVENTS AWARD

ESIG's way to reward safe & sustainable uses of solvents

Great opportunity for solvents DU to tell their story how they

- enhanced product performance,
- implemented **environmental protection measures** or
- **acted to improve health and safety of your workers**



**Application period: 1st February – 30 April 2019**

<http://www.esig.org/solventsaward2019/>





# WHAT DO WE HAVE?

## 4. EXAMPLE - SOLVENTS@WORK

### Solvents and the Safe Use of Gloves Best Practice Guidelines + POSTER

- English, German, French, Spanish & Italian
- Expert input from glove producers in ESF  
<https://eu-esf.org/>



[www.esig.org/product-stewardship/solventswork](http://www.esig.org/product-stewardship/solventswork)



# THANK YOU



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*Solvents  
One Word  
Many Solutions*

