

THE EUROPEAN PVC **INDUSTRY'S COMMITMENT TO** SUSTAINABLE DEVELOPMENT







# 2017 **HIGHLIGHTS**

#### **VINYLPLUS' CHALLENGE 1 CONTRIBUTES TO SDGs:**





TARGET 9.5

**TARGET 12.5** 



TARGET 13.1

#### **VINYLPLUS' CHALLENGE 2 CONTRIBUTES TO SDGs:**





TARGET 1.5





**TARGET 8.8** 

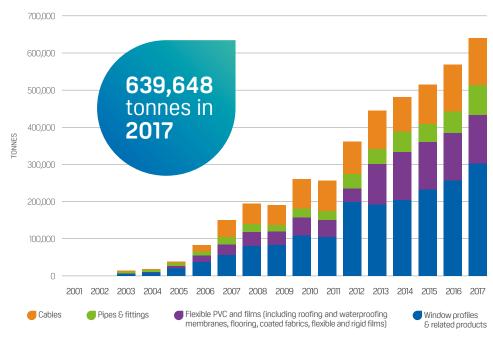
TARGET 9.4



#### CONTROLLED-LOOP MANAGEMENT

- 639,648 tonnes of PVC recycled within the VinylPlus® framework.
- Strategic reorganisation of Recovinyl, both in its management structure and its data collection and reporting systems for recycled PVC waste to further improve its performance.
- Cooperation with EU authorities continued to address the issue of legacy additives (substances that are no longer used in new PVC products but that can be present in recycled PVC).
- Energy and material recovery trials for difficult-to-recycle PVC waste.

#### PVC RECYCLED WITHIN THE VINYL 2010 AND VINYLPLUS FRAMEWORKS



### ORGANOCHLORINE EMISSIONS

- No transport accidents in Europe with VCM release.
- PVC resin producers committed to achieving full compliance with the ECVM Industry Charters by 2020.

## **VINYLPLUS**

## VINYLPLUS FOUNDING MEMBERS ARE:

- the European Council of Vinyl Manufacturers – ECVM
- the European Plastics Converters – EuPC
- the European Stabiliser
   Producers Association ESPA
- European Plasticisers (formerly ECPI)

VinylPlus is the 10-year Voluntary Commitment to sustainable development by the European PVC industry. The VinylPlus programme was developed through open dialogue with stakeholders, including industry, NGOs, regulators, civil society representatives and PVC users. Five key challenges have been identified for PVC on the basis of The Natural Step System Conditions for a Sustainable Society.

The regional scope of the programme is the EU-28 plus Norway and Switzerland.

Through the VinylPlus initiative, the European PVC industry is creating a long-term sustainability framework for the entire PVC value chain. It aims to:

- recycle 800,000 tonnes of PVC per year by 2020
- promote a sustainable use of additives
- improve PVC products sustainability and their contribution to sustainable development
- reduce progressively GHG (greenhouse gas) emissions as well as energy and resource consumption along the entire production chain
- move towards a low-carbon circular economy
- build sustainability awareness along the value chain and among stakeholders.

VINYLPLUS' ENABLING CONDITIONS AND KEY ELEMENTS FOR SUCCESS:



#### **VINYLPLUS' CHALLENGE 3 CONTRIBUTES TO SDGs:**





TARGET 6.3

**TARGET 12.4** 

#### **VINYLPLUS' CHALLENGE 4 CONTRIBUTES TO SDGs:**





TARGET 7.3





13 CLIMATE

TARGET 13.1

PVC is one of the most widely used polymers in the world. PVC continues to make life safer and more comfortable through its use in construction, automobiles, cabling, smart & credit cards. packaging, fashion & design, agriculture, telecommunications, medical devices and a wide array of other areas and products. PVC is intrinsically a 'low carbon' plastic, it is extremely durable and cost-efficient. PVC helps preserve resources and energy, and, at the end of its life, it can be recycled without losing essential qualities.

#### SUSTAINABLE USE OF ADDITIVES

- Average lead concentration in mixed streams of pre- and post-2015 recyclates is constantly decreasing, following cessation by ESPA members of lead-based stabilisers' sales in the FU-28 in December 2015.
- Through ongoing research and innovation, the plasticisers industry continues to adapt to market and regulatory demands, while keeping its commitment to safe products and their sustainable use.
- The first ASF (Additives Sustainability Footprint, a methodology to evaluate the use of additives in PVC products) was completed for window profiles.

### SUSTAINABLE USE OF ENERGY AND RAW MATERIALS

- New verification ongoing on ECVM members' energy consumption data for 2016-2017 to check progress towards the 20% reduction target by 2020.
- Analysis of energy consumption data, covering about 20 production plants for flexible and rigid PVC films, showed an average saving of 20.3% per tonne of PVC product over the period 2010-2016.



#### **VINYLPLUS' CHALLENGE 5 CONTRIBUTES TO SDGs:**







**TARGET 4.4 TARGET 4.7** 





**TARGET 5.1** 



**TARGET 12.6 TARGET 12.7** TARGET 12.8 TARGET 12.a

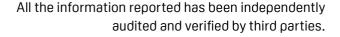
TARGET 17.7 **TARGET 17.16 TARGET 17.17** 

### SUSTAINABILITY AWARENESS

- With the theme *Towards Circular Economy*, the 5<sup>th</sup> VinylPlus Sustainability Forum, in Berlin, Germany, discussed Circular Economy policies and the PVC sector contribution to this key objective of the EU.
- The VinylPlus® Product Label (productlabel.vinylplus.eu) was implemented for the window profile sector, with six companies applying for it in 2017.
- Priority actions identified with the Social Partners of the European Chemical Sectoral Social Dialogue Committee in the framework of the new Cooperation Agreement signed.
- VinylPlus is registered as a SMART partnership on the UN Partnerships for the SDGs (Sustainable Development Goals) platform.



More information can be found in the VinylPlus Progress Report 2018, downloadable from www.vinylplus.eu.







"I'm happy to see that in its Progress Report 2017 VinylPlus is already reporting and classifying its contribution to the SDGs, having identified for each of its five Challenges to which Goal they relate. I'd like to congratulate VinylPlus, we know how difficult it is to bring a whole value chain together to achieve more sustainability with clear objectives and targets, and you should continue the ambition, the effort. On our side we are ready to work more closely, maybe also to promote this model to other countries around the world. VinylPlus shows that there's a way industry can change, there's a way industry can contribute, and it is a good role model."

### **CHRISTOPHE YVETOT** UNIDO

Berlin, May 2017

## VinylPlus Partners

#### IN 2017, THE CONTRIBUTORS WERE:

A. Kolckmann GmbH (Germany)

Alfatherm SpA (Italy)

Aliaxis Group (Belgium)

Alkor Draka SAS (France)

Altro Debolon Dessauer Bodenbeläge GmbH & Co. KG

(Germany) alfer® aluminium GmbH (Germany)\*

aluplast Austria GmbH (Austria)

aluplast GmbH (Germany)

alwitra GmbH & Co (Germany)

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Avery Dennison Materials Europe BV (Netherlands)\*

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Berry Plastics (Germany)

Bilcare Research (Germany)

BM S.L. (Spain)
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Deceuninck NV (Belgium)

Deceuninck SAS (France)

Dekura GmbH (Germany) DHM (UK)

Dickson Saint Clair (France)

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Dyka BV (Netherlands)

Dyka Plastics NV (Belgium)

Dyka Polska Sp. z o.o. (Poland)

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Ergis SA (Poland)

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Gerflor Tarare (France)
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Girpi (France)

Griffine Enduction (France)

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Gruppo Fabbri Vignola SpA (Italy)

H Producter AS (Norway)

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Heytex Neugersdorf GmbH (Germany)

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Pipelife France (France)

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Pipelife Polska SA (Poland)

Pipelife Sverige AB (Sweden)

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RENOLIT Ibérica SA (Spain)

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RENOLIT SE (Germany)

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Salamander Industrie Produkte GmbH (Germany)

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Schüco Polymer Technologies KG (Germany)

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Sika Trocal GmbH (Germany)

SIMONA AG (Germany)

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Veka SAS (France)
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Wavin BV (Netherlands)
Wavin France SAS (France)

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Wavin Plastics Ltd (UK)

Ercros (Spain)
INOVYN (Belgium, Germany, Italy, Norway,
Spain, Sweden, UK)

Shin-Etsu PVC (Netherlands, Portugal)

VESTOLIT GmbH (Germany)

Vynova Group (Belgium, France, Germany, Netherlands, UK)

Asua Products SA

Baerlocher GmbH

Chemson Polymer-Additive AG

**Galata Chemicals** IKA GmbH & Co. KG LANXESS Deutschland GmbH

Reagens SpA Valtris Specialty Chemicals

BASF SE

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Evonik Performance Materials GmbH LANXESS Deutschland GmbH

ExxonMobil Chemical Europe Inc. Grupa Azoty ZAK SA

Perstorp Oxo AB Proviron

#### **ASSOCIATE MEMBERS:**

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British Plastics Federation (BPF) Vinyls Group (UK) PVC Forum Italia (Italy)

