# **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
- oromote 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:











Concrete and measurable targets and deadlines



# **VinylPlus Partners**

## IN 2017, THE CONTRIBUTORS WERE:

CONVERTERS:
A. Kolckmann GmbH (Germany) Alfatherm SpA (Italy) Aliaxis Group (Belgium)

Alkor Draka SAS (France)

Altro Debolon Dessauer Bodenbeläge GmbH & Co. KG

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

alwitra GmbH & Co (Germany) AMS Kunststofftechnik GmbH & Co. KG (Germany)

Amtico International (UK)

Beaulieu International Group (Belgium) Berry Plastics (Germany) Bilcare Research (Germany)

BT Bautechnik Impex GmbH & Co. KG (Germany)

BTH Fitting Kft. (Hungary)
CF Kunststofprofielen (Netherlands)

Chieftain Fabrics (Ireland)\*

Coveris Rigid Hungary Ltd (Hungary)

Deceuninck Ltd (UK)

Deceuninck NV (Belgium)
Deceuninck SAS (France)
Dekura GmbH (Germany) DHM (UK)

Dickson Saint Clair (France)

Döllken Kunststoffverarbeitung GmbH (Germany) Draka Polymer Films BV (Netherlands)

Dyka Plastics NV (Belgium)

Dyka Polska Sp. z o.o. (Poland) Elbtal Plastics GmbH & Co. KG (Germany) Epwin Window Systems (UK)

FDT FlachdachTechnologie GmbH & Co. KG (Germany) Finstral AG (Italy)

Gealan Fenster-Systeme GmbH (Germany)

Georg Fischer Deka GmbH (Germany) Gerflor Mipolam GmbH (Germany)

Gerflor SAS (France) Gerflor Tarare (France) Gernord Ltd (Ireland)

**Griffine Enduction** (France) Gruppo Fabbri (Svizzera) S.A. (Switzerland)

Heytex Bramsche GmbH (Germany) Heytex Neugersdorf GmbH (Germany)

Holland Colours NV (Netherlands) Icopal Kunststoffverarbeitungs GmbH (Germany) IKA Innovative Kunststoffaufbereitung GmbH & Co. KG

(Germany)

Imerys (UK) Imperbel NV (Belgium)
Industrial Sedó SL (Spain)

Inoutic/Deceuninck GmbH (Germany) Inoutic/Deceuninck Sp. z o.o. (Poland Internorm Bauelemente GmbH (Austria)
IVC BVBA (Belgium)\*

Klöckner Pentaplast GmbH & Co. KG (Germany)
Konrad Hornschuch AG (Germany)
LINPAC Packaging PONTIVY (France)
Low & Bonar GmbH, former Mehler Texnologies GmbH

Manufacturas JBA (Spain)
Marley Deutschland (Germany Marley Hungária (Hungary) MKF-Ergis GmbH (Germany)

MKF-Ergis Sp. z o.o. (Poland)

Nicoll Italy (Italy Nordisk Wavin A/S (Denmark)
Norsk Wavin A/S (Norway)

NYLOPLAST EURÓPE BV (Netherlands)

Omya International AG (Switzerland) Perlen Packaging (Switzerland) Pipelife Austria (Austria)

Pipelife Belgium NV (Belgium)
Pipelife Czech s.r.o (Czech Republic)
Pipelife Deutschland GmbH (Germany)
Pipelife Eesti AS (Estonia)

Pipelife Finland Oy (Finland) Pipelife France (France)

Pipelife Hellas S.A. (Greece) Pipelife Hungária Kft. (Hungary)
Pipelife Nederland BV (Netherlands

Pipelife Polska SA (Poland Pipelife Sverige AB (Sweden)

Poliplast (Poland)
Poloplast GmbH & Co. KG (Austria)

Polymer-Chemie GmbH (Germany)

Profine GmbH (Germany) Protan AS (Norway)

REHAU AG & Co (Germany) REHAU GmbH (Austria) REHAU Ltd (UK) REHAU SA (France)

REHAU Sp. z o.o. (Poland)

REHAU Industrias SA (Spain) RENOLIT Belgium NV (Belgium) RENOLIT Cramlington Ltd (UK) RENOLIT Hispania SA (Spain)

RENOLIT Ibérica SA (Spain)

RENOLIT Milano Srl (Italy) RENOLIT Nederland BV (Netherlands)
RENOLIT Ondex SAS (France)

RENOLIT SE (Germany Resysta International GmbH (Germany)

Roechling Engineering Plastics KG (Germany) Salamander Industrie Produkte GmbH (Germany)

Sattler PRO-TEX GmbH (Austria Schüco Polymer Technologies KG (Germany)

Serge Ferrari SAS (France)
Sika Services AG (Switzerland Sika Trocal GmbH (Germany)

SIMONA AG (Germany)

SOTRA-SEPEREF SAS (France

Tarkett GDL SA (Luxem Tarkett Holding GmbH (Germany

Tönsmeier Kunstoffe GmbH & Co. KG (Germany)

Veka Plc (UK) Veka Polska (Poland

Veka SAS (France)
Verseidag-Indutex GmbH (Germany)
Vescom BV (Netherlands)

Vulcaflex SpA (Italy)

Wavin France SAS (France Wavin Hungary (Hungary

Wavin Nederland BV (Netherla Wavin Plastics Ltd (UK)

Ercros (Spain) INOVYN (Belgium, Germany, Italy, Norway, Shin-Etsu PVC (Netherlands, Portugal)

Akdeniz Kimya A.S. Asua Products SA Baerlocher GmbH Chemson Polymer-Additive AG

Valtris Specialty Chemicals

Galata Chemicals IKA GmbH & Co. KG LANXESS Deutschlan PMC Group Reagens SpA

BASF SE Perstorp Oxo AB

AGPU - Arbeitsgemeinschaft PVC und Umwelt e.V.

VINYLPLUS AT A GLANCE

INDUSTRY'S COMMITMENT TO

SUSTAINABLE DEVELOPMENT

THE EUROPEAN PVC





























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# 2017 **HIGHLIGHTS**

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









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







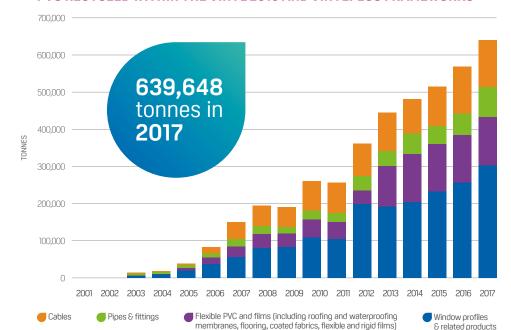




# CONTROLLED-LOOP MANAGEMENT

- 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



PVC resin producers committed to achieving full compliance with the ECVM

ORGANOCHLORINE EMISSIONS

Industry Charters by 2020.

No transport accidents in Europe with VCM release.

# TARGET 3.9











# TARGET 12.2 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

# SUSTAINABLE USE OF ADDITIVES



CONTRIBUTES TO SDGs:

**VINYLPLUS' CHALLENGE 3** 



TARGET 12.4

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









without losing essential qualities.

- 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 EU-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 8.8

# 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 VinyIPlus® Product Label (productlabel.vinyIplus.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.

All the information reported has been independently audited and verified by third parties.



"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