

# VINYLPLUS AT A GLANCE

THE EUROPEAN PVC  
INDUSTRY'S COMMITMENT TO  
SUSTAINABLE DEVELOPMENT

## VINYLPLUS' CHALLENGE 1 CONTRIBUTES TO SDGs:



TARGET 8.4



TARGET 9.5



TARGET 12.5



TARGET 13.1



“

*The underpinning value of the combined social, economic and environmental pillars is vital; sustainable development is about more than durability. VinylPlus is a good case of a holistic approach to these underpinning values.*

**ILCHEONG YI**

*United Nations Research  
Institute for Social  
Development*

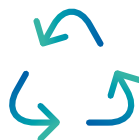
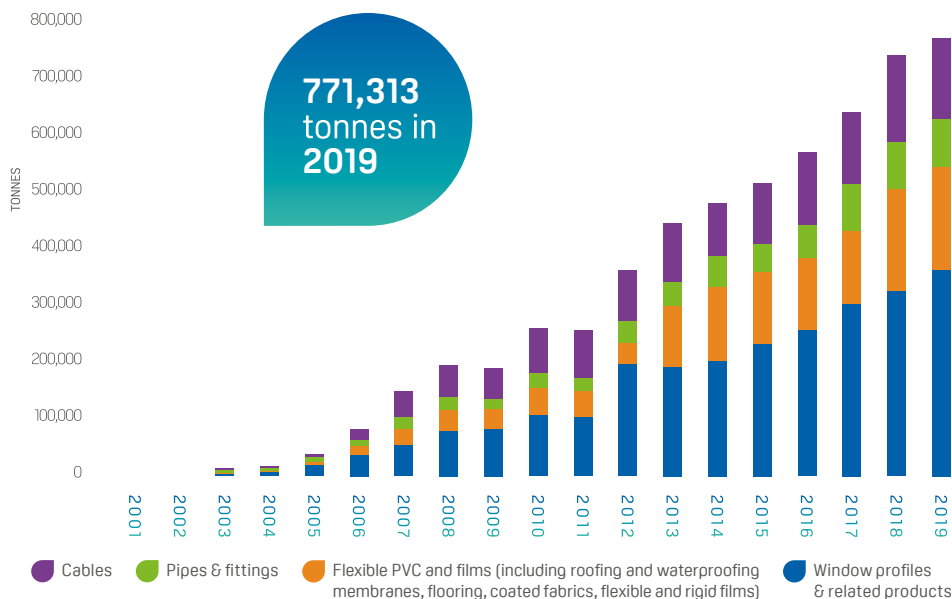
*Prague, May 2019*

# 2019 HIGHLIGHTS

## CONTROLLED-LOOP MANAGEMENT

- PVC waste recycling within the VinylPlus® framework reached 771,313 tonnes.
- In September, VinylPlus officially joined the EU Circular Plastics Alliance (CPA), the multi-stakeholder platform aimed at delivering on the circular economy for plastics and substantially increasing the use of recycled plastics in new products. Since December, VinylPlus is chairing the CPA Construction Working Group.
- 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).

## PVC RECYCLED WITHIN THE VINYLPLUS FRAMEWORK



**5.7 million  
tonnes of PVC  
recycled since 2000**



**11.4 million  
tonnes of CO<sub>2</sub>  
saved since 2000**



## VINYLPLUS' CHALLENGE 2 CONTRIBUTES TO SDGs:



TARGET 1.5



TARGET 3.9



TARGET 8.8



TARGET 9.4



TARGET 12.4



TARGET 14.1

## ORGANOCHLORINE EMISSIONS

- No transport accidents in Europe with VCM release.
- The ECVI Industry Charters for the production of VCM and PVC resins were updated and unified. The PVC resin industry is committed to achieving full compliance with the updated Charter by the end of 2021.

In the photos on the right and below, two examples of PVC applications' reuse and recycling.

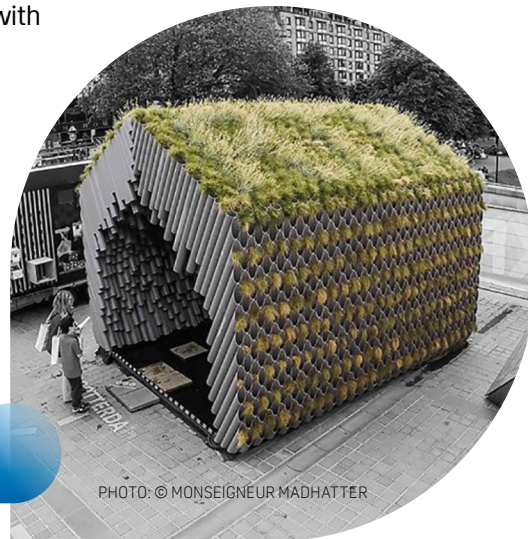


PHOTO: © MONSIEUR MADHATTER

## SUSTAINABLE USE OF ADDITIVES

- After the critical review by the University of Manchester, UK, the validation of the Additive Sustainability Footprint criteria (<https://vinylplus.eu/asf>) can be considered as fully achieved.
- 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.

## VINYLPLUS' CHALLENGE 3 CONTRIBUTES TO SDGs:



TARGET 6.3



TARGET 12.4



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, water distribution, automobiles, cabling, smart & credit cards, packaging, fashion & design, sport, 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.

PHOTO: COURTESY OF ALBA STUDIO

## VINYLPLUS' CHALLENGE 4 CONTRIBUTES TO SDGs:



TARGET 7.3



TARGET 8.4



TARGET 12.2



TARGET 13.1

## VINYLPLUS' CHALLENGE 5 CONTRIBUTES TO SDGs:



TARGET 3.9



TARGET 4.4  
TARGET 4.7



TARGET 5.1



TARGET 8.8



TARGET 12.6  
TARGET 12.7  
TARGET 12.8  
TARGET 12.A



TARGET 17.7  
TARGET 17.16  
TARGET 17.17

## SUSTAINABLE USE OF ENERGY AND RAW MATERIALS

- PVC resin producers and converters continue their effort to reduce their energy consumption and to shift to renewable energy sources.
- Non-fossil-based PVC additives, compounds and applications are starting to become available. Commercially viable bio-attributed certified PVC resins were launched on the market by two ECVM member companies.

More information can be found in the VinylPlus Progress Report 2020, downloadable from [www.vinylplus.eu](http://www.vinylplus.eu).

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



## SUSTAINABILITY AWARENESS

- VinylPlus contributed as a panellist in a side event of the Fourth Session of the United Nations Environment Assembly (UNEA-4).
- With the theme *Accelerating Innovation*, the 7<sup>th</sup> VinylPlus Sustainability Forum, in Prague, Czech Republic, focused on the challenges and opportunities presented by new technologies in shaping the PVC sector's future in the context of the circular economy.
- The VinylPlus® Product Label, a sustainability scheme for PVC products in the Building and Construction sector ([productlabel.vinylplus.eu](http://productlabel.vinylplus.eu)), has been officially validated in Italy by Accredia. To date, 112 products and product systems manufactured by 10 companies in 18 European sites have been certified.
- The strategic partnerships with sports organisations developed by VinylPlus in 2019, proved to be an extremely effective means to raise awareness of the European PVC industry's contribution to the circular economy and the SDGs (Sustainable Development Goals) and to build new relationships with institutions, authorities and the youth at local, regional and global level.
- VinylPlus is registered as a SMART partnership on the UN Partnerships for the SDGs platform.

# VINYLPLUS

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-27 plus Norway, Switzerland and the UK.

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, 900,000 tonnes by 2025 and at least one million tonnes by 2030
- 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.



Involvement of the entire value chain, 200 partners across Europe



Concrete and measurable targets and deadlines



Research and innovation



Strong governance and accountability



Stakeholder engagement, transparency and dialogue



Over €110 million industry investment in sustainability in Europe since 2000

## VINYLPLUS FOUNDING MEMBERS ARE:

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



# VINYLPUS PARTNERS

IN 2019, THE CONTRIBUTORS WERE:

## CONVERTERS:

A. Kolckmann GmbH (Germany)  
Alfatherm SpA (Italy)  
alfer® Aluminium GmbH (Germany)  
Allaxis Group (Belgium)  
Alkor Draka SAS (France)  
Altro (UK)  
Altro Debolon Dessauer Bodenbeläge GmbH & Co. KG (Germany)  
aluplast Austria GmbH (Austria)  
aluplast GmbH (Germany)  
alwitra GmbH & Co (Germany)  
AMS Kunststofftechnik GmbH & Co. KG (Germany)  
Amtico International (UK)  
Avery Dennison Materials Europe BV (Netherlands)  
Beaulieu International Group (Belgium)  
Berry Plastics (Germany)  
Bilcare Research (Germany)  
BM S.L. (Spain)  
BT Bautechnik Impex GmbH & Co. KG (Germany)  
BTH Fitting Kft. (Hungary)  
CF Kunststoffprofilen (Netherlands)  
Chieftain Fabrics (Ireland)  
CIFRA (France)  
Danosa (Spain)  
Deceuninck Ltd (UK)  
Deceuninck NV (Belgium)  
Deceuninck SAS (France)  
Dekura GmbH (Germany)  
DHM (UK)  
Dickson Coating, former Dickson Saint Clair (France)  
Dyka BV (Netherlands)  
Dyka Plastics NV (Belgium)  
Dyka Polska Sp. z o.o. (Poland)  
Dyka SAS (France)  
Elbtal Plastics GmbH & Co. KG (Germany)  
Epwin Window Systems (UK)  
Ergis SA (Poland)  
Fatra a.s. (Czech Republic)\*  
FDT FlachdachTechnologie GmbH & Co. KG (Germany)  
Finstral AG (Italy)  
FIP (Italy)  
Gealan Fenster-Systeme GmbH (Germany)  
Georg Fischer Deka GmbH (Germany)  
Gerflor Mipolam GmbH (Germany)  
Gerflor SAS (France)  
Gerflor Tarare (France)  
Gernord Ltd (Ireland)  
Girpi (France)  
Griffine Enduction (France)  
Gruppo Fabbri (Svizzera) S.A. (Switzerland)  
Gruppo Fabbri Vignola SpA (Italy)  
H Producter AS (Norway)  
Holland Colours NV (Netherlands)  
Hundhausen Kunststofftechnik GmbH (Germany)\*  
Icopal Kunststoffverarbeitungs GmbH (Germany)  
IKA Innovative Kunststoffaufbereitung GmbH & Co. KG (Germany)  
Imerys (UK)  
Imperbel NV (Belgium)  
Industrias REHAU SA (Spain)  
Inoutic/Deceuninck GmbH (Germany)  
Inoutic/Deceuninck Sp. z o.o. (Poland)  
Internorm Bauelemente GmbH (Austria)  
IVC BVBA (Belgium)

Jimten (Spain)  
Kalan (France)  
Konrad Hornschuch AG (Germany)  
LINPAC Packaging PONTIVY (France)  
Low & Bonar GmbH (Germany)  
Manufacturas JBA (Spain)  
Marley Deutschland (Germany)  
Marley Hungária (Hungary)  
MKF-Ergis GmbH (Germany)  
MKF-Ergis Sp. z o.o. (Poland)  
Molecor (Spain)  
Mondoplastico SpA (Italy)  
Nicolli (France)  
Nicolli Italy (Italy)  
Nordisk Wavin AS (Denmark)  
Norsk Wavin AS (Norway)  
Novafloor (France)  
NYLOPLAST EUROPE BV (Netherlands)  
Omya International AG (Switzerland)  
PACCOR Hungary Kft., former Coveris Rigid Hungary Kft. (Hungary)  
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 Norge AS (Norway)  
Pipelife Polska SA (Poland)  
Pipelife Sverige AB (Sweden)  
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Polymer-Chemie GmbH (Germany)  
PreZero Kunststoffrecycling GmbH & Co. KG, former Tönsmeier Kunststoffe GmbH & Co. KG (Germany)  
Protan AS (Norway)  
Redi (Italy)  
REHAU AG & Co (Germany)  
REHAU GmbH (Austria)  
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REHAU SA (France)  
REHAU Sp. z o.o. (Poland)  
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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)  
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Riflex Film (Sweden)\*  
Riuvert (Spain)  
Roehling 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)  
Sioen Industries (Belgium)  
SKZ-Testing GmbH (Germany)  
Solvay SA – Foaming Solutions (Belgium)  
Soprema Srl (Italy)

Stöckel GmbH (Germany)  
Tarkett AB (Sweden)  
Tarkett France (France)  
Tarkett GDL SA (Luxembourg)  
Tarkett Holding GmbH (Germany)  
Tarkett Limited (UK)  
Teraplast SA (Romania)\*  
Thomson Research Associates Inc. (UK)  
TMG Automotive (Portugal)  
Veka AG (Germany)  
Veka Ibérica (Spain)  
Veka Plc (UK)  
Veka Polska (Poland)  
Veka SAS (France)  
Verseidag-Indutex GmbH (Germany)  
Vescom BV (Netherlands)  
Vulcaflex SpA (Italy)  
Wavin Baltic (Lithuania)  
Wavin Belgium BV (Belgium)  
Wavin BV (Netherlands)  
Wavin France SAS (France)  
Wavin GmbH (Germany)  
Wavin Hungary (Hungary)  
Wavin Ireland Ltd (Ireland)  
Wavin Metalplast (Poland)  
Wavin Nederland BV (Netherlands)  
Wavin Plastics Ltd (UK)

## PVC RESIN PRODUCERS:

Ercros (Spain)  
INOBYN (Belgium, France, Germany, Italy, Norway, Spain, Sweden, UK)  
Shin-Etsu PVC (Netherlands, Portugal)  
VESTOLIT GmbH (Germany)  
Vinnolit GmbH & Co. KG (Germany, UK)  
Vynova Group (Belgium, France, Germany, Netherlands, UK)

## PVC STABILISER PRODUCERS:

Akdeniz Kimya A.S.  
Asua Products SA  
Baerlocher GmbH  
Chemson Polymer-Additive AG  
Galata Chemicals  
IKA GmbH & Co. KG  
LANXESS Deutschland GmbH  
PMC Group  
Reagens SpA  
Valtris Specialty Chemicals

## PVC PLASTICISER PRODUCERS:

BASF SE  
DEZA a.s.  
Evonik Performance Materials GmbH  
ExxonMobil Chemical Europe Inc.  
Grupa Azoty ZAK SA  
LANXESS Deutschland GmbH  
Perstorp Oxo AB  
Proviron

## ASSOCIATE MEMBERS:

AGPU – Arbeitsgemeinschaft PVC und Umwelt e.V. (Germany)  
British Plastics Federation (BPF) VinylPlus UK  
PVC Forum Italia (Italy)

\* Companies that joined VinylPlus in 2019



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