

"L'analisi socio-economica nel Regolamento REACH"

Vinyloop

« Il punto di vista delle imprese sui possibili impatti socio-economici delle autorizzazioni e restrizioni REACH »

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- 11/05/2017
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Agenda

- → Vinyloop Main data
- → Process principles
- → The value of the Vinyloop model
- → REACH authorization for DEHP & socio-economics consequences
- → REACH vs Circular economy: not (yet) compatible



Location



Vinyloop Ferrara SpA





VINYLOOP® Ferrara: Joint Venture





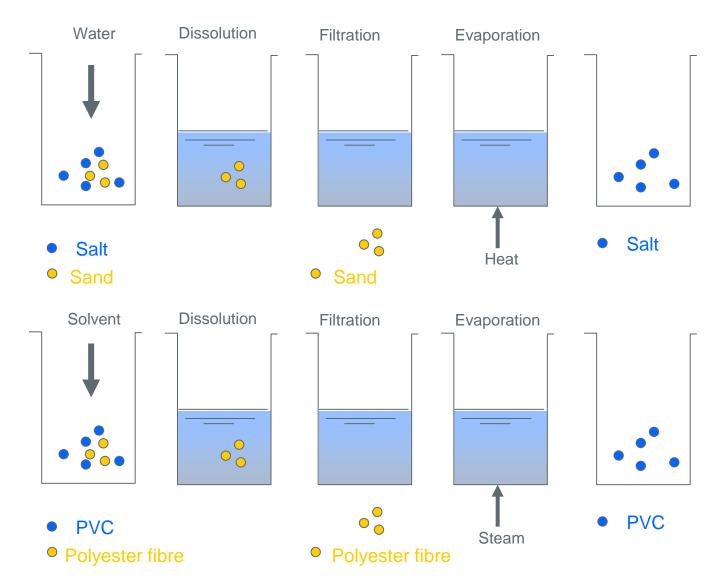
VINYLOOP® Ferrara

- → First industrial plant/pilot in the world
 - Seveso plant
 - OHSAS18001 (Safety ISO) + ISO14001 (Environment ISO)
 - DEHP authorization from ECHA → feb 2019
 - Plant for waste treatment with or without fibres (cables, tarpaulins, flooring, membranes,...)
- →Today we treat cables and tarpaulins with PVC content >=75% (~9000T/y of scraps)
- → Aligned with VinylPlus voluntary commitment



Principles





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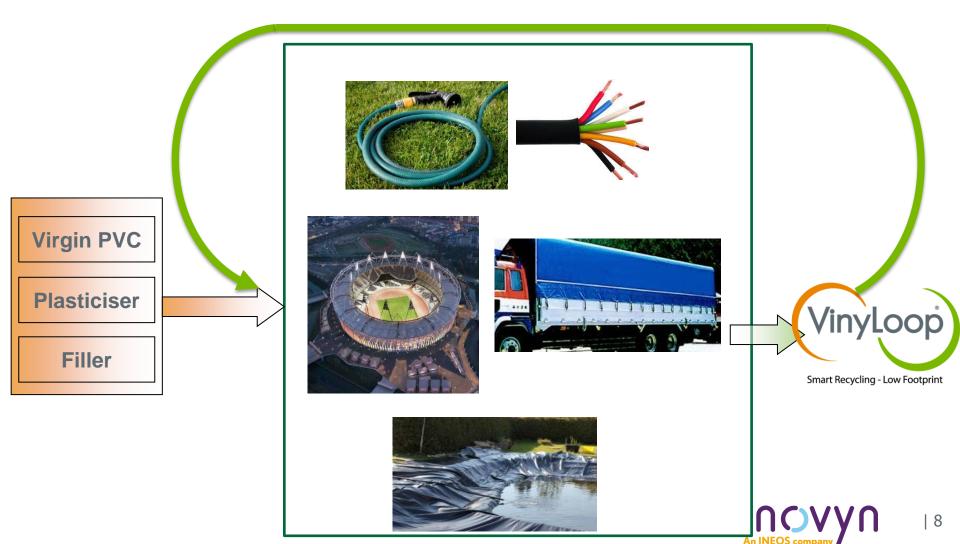
RPVC (*)

DEHP

The value of the model



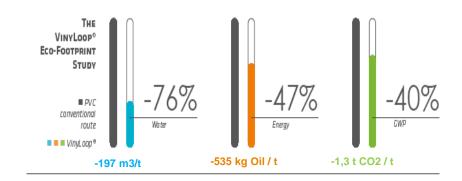
Sustainable development – Circular Economy



The value of the model Competitive environment

Market Differentiation with Customers

- Lower Environmental Footprint
 - LCA critically reviewed by DEKRA (ISO 14040-44)



- Target customers who seek solutions for their postindustrial and/or postconsumer waste
 - Fitt hose supplier (Italy)
 - London Olympic games 2012









"L'analisi socio-economica nel Regolamento REACH"

PVC classification, administrative requirements, challenges for recycler



REACH and DEHP Authorization

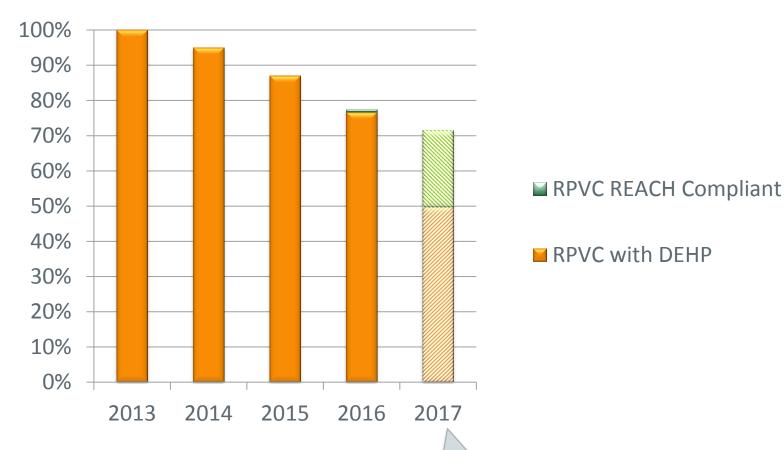


A long chaotic path

Aug. 2013	Request to ECHA for our RPVC with DEHP
Dec. 2014	RAC & SEAC recommend 7 years Authorization
Feb. 2015	"Sunset Date": No decision by MS
Nov. 2015	MEPs vote a « non-binding » Resolution to ban on recycled plastics containing DEHP Main Argument: DEHP is an « Endocrine Disruptor »
Dec. 2015	General Court of the European Union – Sentence against EU-COM (Judgment in Case T-521/14) By failing to adopt measures concerning the specification of scientific criteria for the "determination of endocrine-disrupting properties"
22 June 2016	 Official authorization DEHP but: This authorization was granted until 22 February 2019, so 2.5 years Obligation to do an Air-monitoring and a Bio-Monitoring Bio-Monitoring without official procedure???
Feb. 2019	 New sunset date No more sales RPVC with DEHP in EU

Sales Evolution of Recycling PVC «RPVC»





This means 50% of our potential capacity



REACH and DEHP Authorization



Practical consequences of this authorization

- Scientist Experts of ECHA treat dossier with technical criteria
- MS more concentrate on hazard and not on the risk and SVHCs become political "substances". Judgment with no objectivity
- MEPs criticizes their own experts
- 2.5 years to change Business model is too short
 - Renewal of authorization before July 2017 is impossible
- Lost 50 % of our market since we requested authorization
- Market has 3 reactions
 - No more recycling products
 - REACH compliant is not wanted
 - SVHC Free recycling product become rule
- Capacity of the plant 2017 = ~50%
 - Technical unemployment scheduled in 2017



"REACH/legislation Chemical" vs. "Circular Economy/Legislation Waste"

Chemicals, wastes and products – different worlds







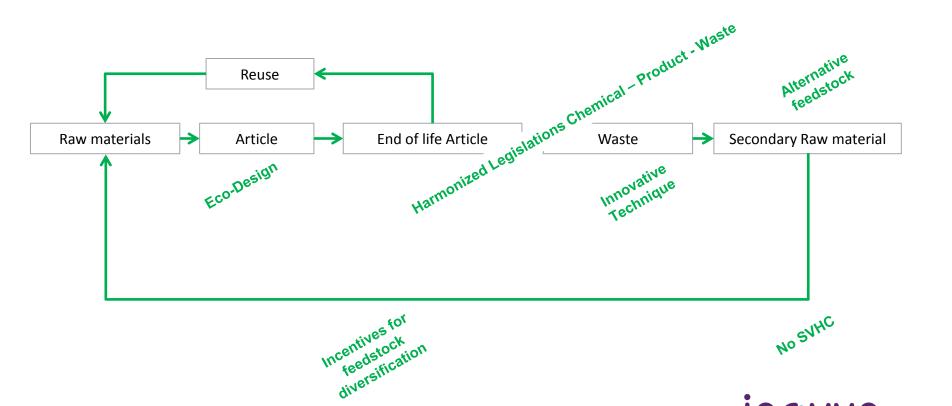


No clear horizontal approach on how to deal with legacy substances in recycled plastics

"REACH/legislation Chemical" vs.



"Circular Economy/Legislation Waste" **EU ideal situation**

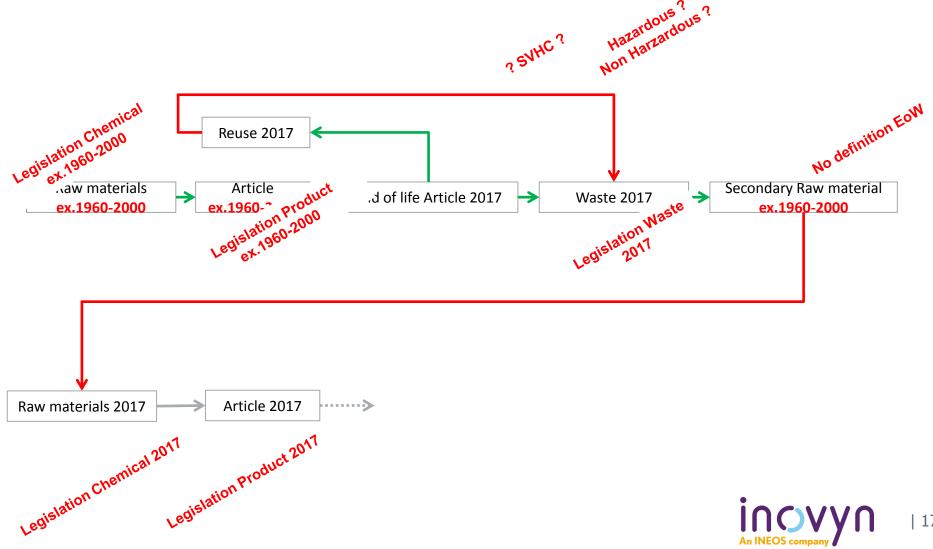


"REACH/legislation Chemical" VS.

"Circular Economy/Legislation Waste"

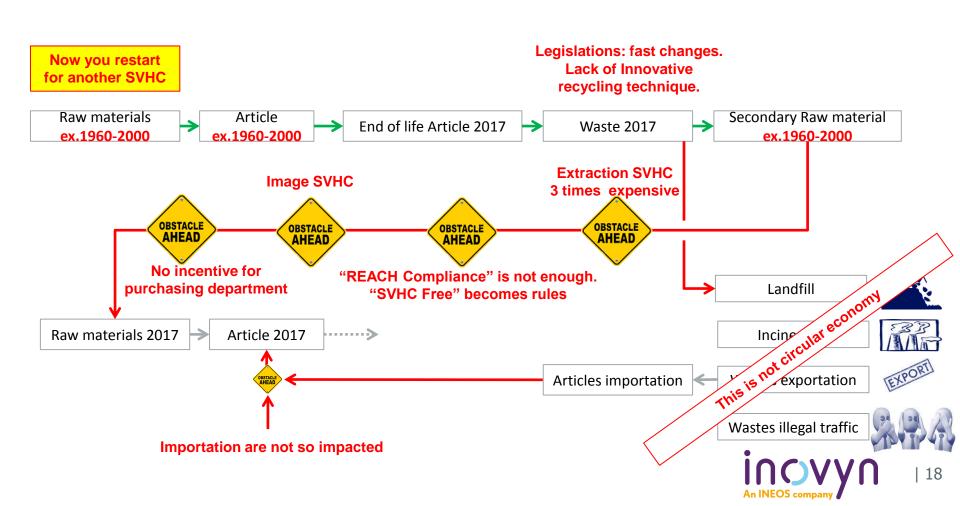
The real situation





REACH - Circular Economy - Legacy Additives Recycler view: Barriers for each SVHC

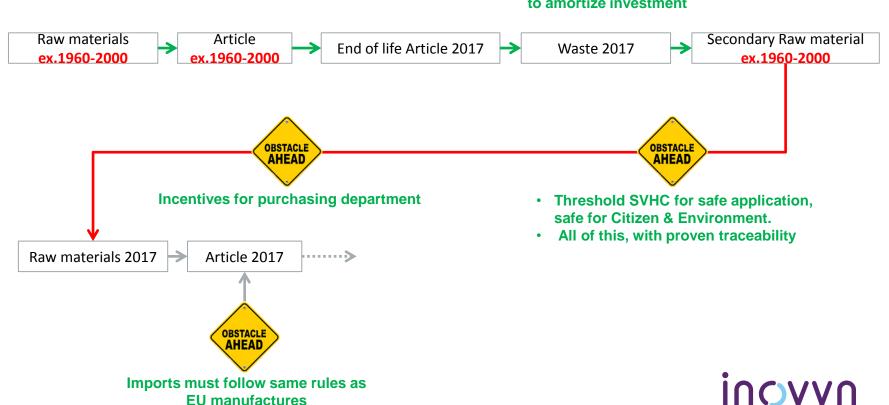




REACH - Circular Economy - Legacy Additives Recycler contribution view



- Landfill / Incineration / Wastes export must be more impacted
- Ensure long term sustainability for industries to amortize investment



Conclusions



- Current regulations situation is putting recyclability of flexible PVC at risk
- The update of the SVHC candidate list is too fast and it slowed down long-term investment projects in recycling
- Imported PVC articles are able to bypass the REACH regulation with minimal criteria to demonstrate compliance (>10 Mtons of imported articles containing DEHP since 2011 which will become waste and recycling solution become more and more less)
- "REACH/Chemical policy" is not yet compatible with "Circular Economy/Waste policy"
- Landfill remains a cheaper option in some MS of the EU and this is against recyclability
- Landfill and incineration must be more impacted because that mean destruction of resources
- Materials should be recycled as long as there is a proven traceability into applications where there is no risk to health and the environment
- REACH must be adapted for recycling market
- EU must promote the creation of an efficient / attractive market for secondary plastic raw materials
- Eco-design: producers shall think about recyclability of their products and re-integration of recyclate back in their products
- Our example model: Vinyloop fulfils EU Circular economy principles
 - Lower environmental impact, Take back at end-of-life, Recyclability, No downcycling





