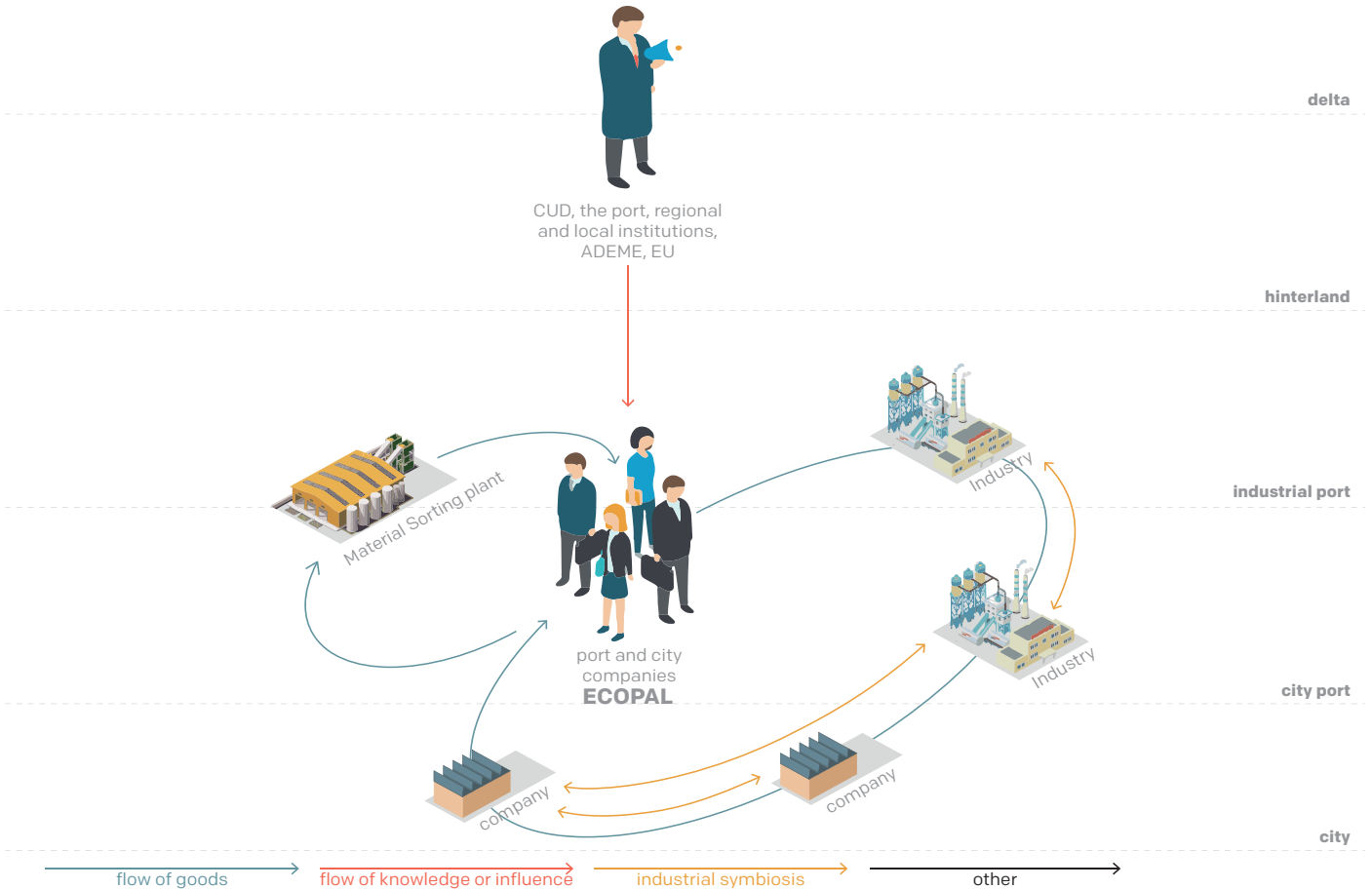
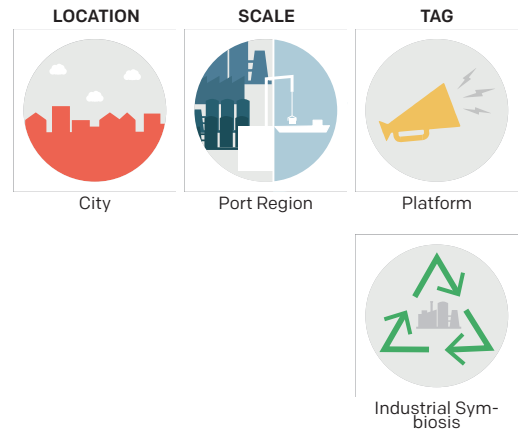


2

ECOPAL Dunkirk

Control of resource consumption + reuse of short-circuit products = added value for the maintenance of activities and job creation”



What's happening?

How does it happen?

The ECOPAL network (Economy and Ecology Partners in Local Action) with 480 members, large companies, SMEs, associations or individuals supports and offers services to member companies, focusing its work on the implementation of the circular economy and industrial ecology, in order to lead them towards new, more environmental economic models. The two principles that guide the approach are mutualisation (the means of collection, transport and treatment are optimised thanks to a common management) and substitution (waste from one side becomes raw material for the other).

Why is this an interesting circular initiative for circular harbours?

After several years of experimentation in pooling services such as waste collection and actions such as improving area signage, ECOPAL decided in 2007 to carry out an Inventory of Industrial Material Flows (IFIM) in order to identify more broadly the potential and opportunities for synergies between companies. Today it saves 22 tons of CO2 and more than 210.00€ per year. It recycles about 250 tonnes of waste through a total of 79 collections per year. According to ecopal, their approach allows territories to :

- Increase knowledge of waste and material flows
- Develop industrial and territorial ecology in the territories
- Conserve resources on the territory

Annexes

Flux ENTRANTS de votre entreprise

Designation	Procedé	Quantité	Unité
Eau			15 salaires
Composants Associés	Taux		
Eau potable	100%		
Electricite			
Composants Associés	Taux		
Electricite	100%		
Papier			
Composants Associés	Taux		
Papier	100%		
Matériel électronique et informatique			
Composants Associés	Taux		
Matiere plastique & polymere	50%		
Métal	20%		
Autre corps pur ou composé	30%		
Verre			
Composants Associés	Taux		
Verre	100%		
Palette en bois			
Composants Associés	Taux		
Bois	100%		
Plastique			
Composants Associés	Taux		
Chlorure de polyvinyle	100%		

Inventory of Inbound and outbound flows of the company

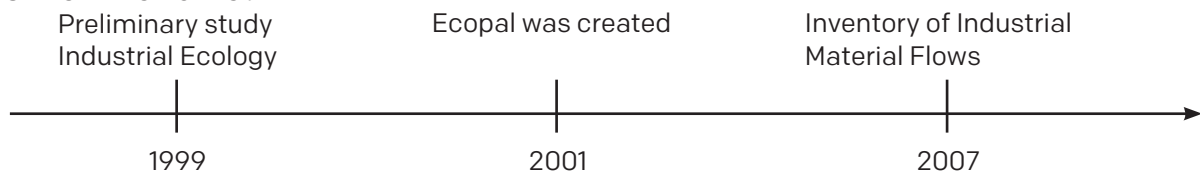
What is the relation with the port and water?

The industrial actors are at the origin of this approach. The port as an industrial area is obviously playing a predominant role in the association.

What is the relation with the city?

Ecopal is aimed at large port industrialists as well as small and medium-sized companies located in towns or even craftsmen.

What is the timeframe?



Sources

<http://www.ecopal.org/>
<https://www.communaute-urbaine-dunkerque.fr/>



Grouping, regional pre-treatment and national recovery of materials

What are the ambitions?

With numerous mutualisation and substitution synergies, Ecopal is now a reference for French industrial ecology projects. Since 2014, the association has been developing 4 new projects: the recovery of "refractories" identified in the region (e. g. bricks); the recovery of local fibrous materials for the benefit of local industries; the experimentation of local recovery of printing cartridges by the Combini consortium (15 manufacturers); and the expansion of the number of participating companies.

Who is behind it?

Following a preliminary study conducted in Grande-Synthe to determine the interest of conducting an Industrial Ecology project in 1999, Ecopal was created in 2001. A pioneer in the circular economy, it is one of the first industrial ecology associations to appear in France. So Ecopal is a non-profit association created by and for companies in the Dunkirk basin. Nevertheless it receives financial support from public partners :

