



CESME

(Title of Good Practice)

Presented by (Title of partner)

<p>Point of contact</p>
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<p>Brief Description of Good Practice</p>
<p><i>In June 2014 Holbæk Municipality(HM) decided to start a project named “from waste to product”. The intention was to motivate private residents in HM to collect their plastic waste in a special designed container.HM should collect the plastic waste and sort it , so it was possible for a recycler to produce plastic granulate in a quality, so a plastic manufacturer could produce containers to the private households in HM. Also plastic waste from recycle sites (mainly handed to the sites by residents) was a part of the project. To achieve the goal HM made an agreement with plastic recycler Aage Vestergaard Larsen (AVL), plastic manufacturer/injection moulder Schoeller Plast (SP) and The Danish Institute of Technology(DTI). The project was supported by the Danish Ministry of Environment due to the focus of circular economy</i></p>
<p>Problems/challenges and how they were overcome</p>
<p>Challenge 1 HM did not have employees with experience in plastic sorting, and right skills in sorting of plastic was a success criteria number one How to overcome: 2 Employees from HM got a special education in sorting plastic</p> <p>Challenge 2 Aage Vestergaard Larsen did not have any production equipment for recycling of plastic from private households - either not any experience for handling plastic from private households How to overcome: Equipment- special designed for plastic waste- was developed by experienced employees from AVL. And experience to handle plastic waste was build up internal by tests</p>

Challenge 3

Scholler Plast did not have tools for manufacturing products based on raw materials from private households.

How to overcome:

200.000 € was invested in new tools special designed for producing plastic from private households

Result:

The project

Impact from Good Practice

This case is still at pilot stage, but as far as we know that it is possible to produce plastic containers (and of course also other plastic products) in a good quality made by plastic waste from private households. In Denmark we have more than 350.000 tonnes plastic waste per year and only 50.000 tonnes are recycled in Denmark. It is estimated up to 300.000 tonnes plastic waste every year are burned or exported. Making high-end products of plastic waste would save the environment for up to 5 tonnes CO2 for each ton plastic waste we are able to recycle to high end products

Lessons learnt from the Good Practice

It is clear that sorting the plastic waste from private households are a very important success criteria to get raw material in right quality. It is necessary to take time to educate and motivate the employees, who is taking care of the sorting process.

When we met a challenge it was discussed together with the whole value chain (all partners in the project). In that way we solved the challenge for all partners in the project ,and the challenge was known by all project members

Recommendation you want to stand

1. Right education is a must
2. Cooperation in the whole value chain is important for getting succes

For more information

Insert link(s)