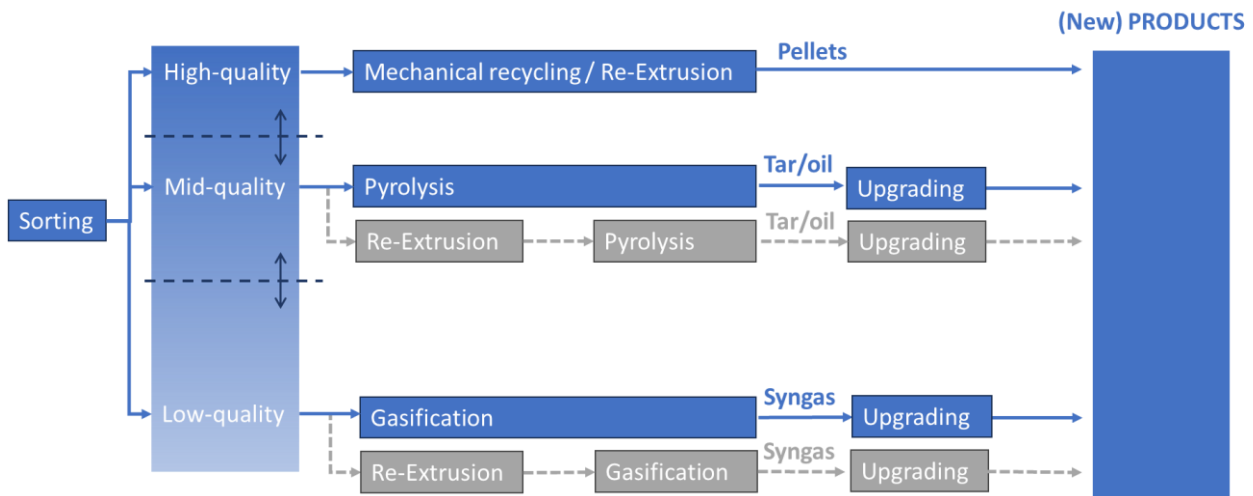


A new plastic recycling system?

Can we find a new plastic recycling system that can recycle all plastic waste qualities?



Sub teams - pursuing issues on individual process chains:

Issue 1: Sorting of plastic waste

- Which minimum quality can be processed by the processes? (collaborations with other teams)
- How well can these different fractions be sorted today?
- What adjustment in the sorting process is needed?

Issue 2: Mechanical recycling

- Which minimum quality can be processed by the processes? (input to issue 1)
- What are potential new products from this process for individual consumers and industries?
- What is the potential to use re-extrusions as cleaning and reshaping for thermo-chemical treatment (input to issues 3 and 4)

Issue 3: Pyrolysis

- What is the state-of-the-art of this technology?
- Which minimum quality can be processed by the processes? (input to issue 1)
- Which final products are achievable with targeted upgrading?
- Can the process be improved by using a two-step approach? (input from issue 2)

Issue 4: Gasification

- What is the state-of-the-art of this technology?
- Which minimum quality can be processed by the processes? (input to issue 1)
- Which final products are achievable with targeted upgrading?
- Can the process be improved by using a two-step approach? (input from issue 2)

Whole team - getting together for a system workshop at the end of summer:

- How can the technologies work best together?
- What are our proposed system and final products?
- What is needed to realise the new system?