Waste sorting in laboratories

Waste audit of the biggest waste streams in our Lab:

Hard plastic

See picture underneath

Polystyrene boxes

Collected in a container in ”Varegård Vest” and picked up by Marius Pedersen

Ice Bricks

Collected at the post and picked up by Kem-En-Tec for re use

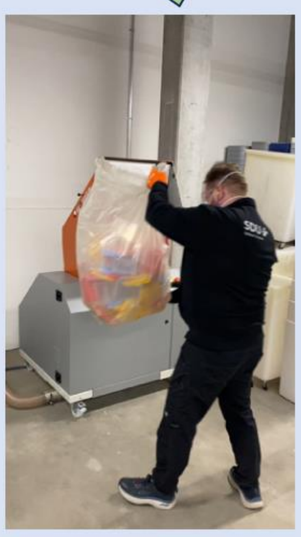
Cardboard

Collected in a container in the basement and handled by Technical service

Plastic sorting in our laboratory

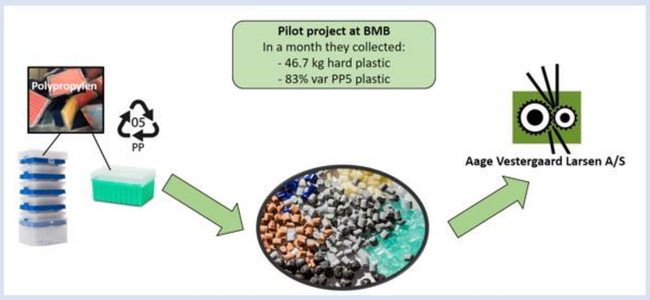
Soft is collected in a bag and put in the basement next to the hard plastic container and shipped to Marius Pedersen

PP5 fraction is collected in the lab and technical service granulate it, before AVL picks it up and reuse PP5 for new products



PET-1 plastic: Since its a very clean fraction we are working on finding some compagnies that can reuse it

Hard plastic is collected in a blue container in the basement and shipped to Marius Pedersen

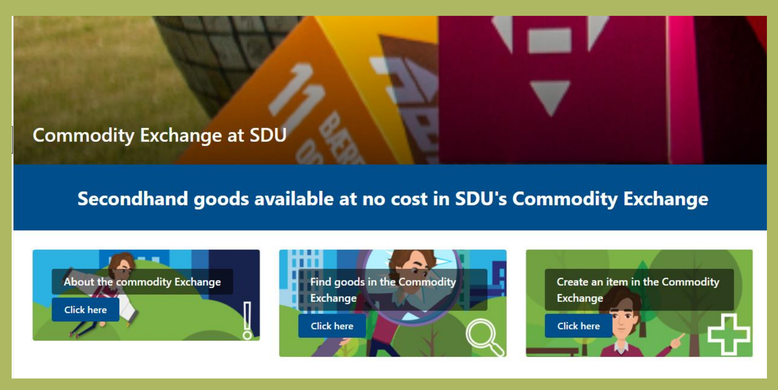


Pictograms for waste sorting in laboratories

At SDU we have:

- ✓ A Green lab group with focus on generalizing waste sorting in the laboratories and make an online guide for our specific laboratory waste.
- ✓ Done waste audit on our biggest waste streams in laboratories at BMB.
- ✓ Made similar waste sorting stations in all the laboratories across the University.
- ✓ Created our own pictograms to streamline all laboratories waste sorting systems.
- ✓ A workshop, who repair equipments to prolong their lifetime.
- ✓ Collected PP5 to granulate and afterwards picked up by Aage Vestergaard Larsen for reuse.

At SDU we have ”Brugtvarebørsen”: A place were used equipment, furniture and office stuff is donated for other departments that can use/re-use it.



The laboratories generate large amount of plastic waste

- Can we reduce the amount of plastic that we use?
- Can we optimize sorting of the plastic waste into additional pure fractions and thereby converting the plastic waste into a better asset for recycling?
- Can we make demands on suppliers for what kind of packaging our consumer goods should be delivered in?
- Can students at SDU use some of the plastic waste in their projects, e.g., does specific chemicals change the structure?, can new products be made from reused plastic, or will it affect its quality?

We have also collected Farmfill from packages When we receive incoming goods, but SDU sent to few packages to use it.

- What do you do with your Farmfill?
- Do you know any compagnies that can use it?