

## ccloop

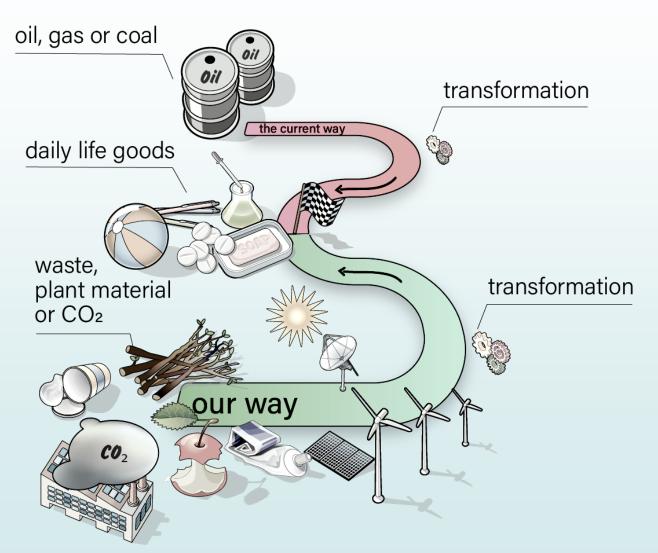


### **Current way:**

Open carbon cycle starts in the geosphere and ends in atmosphere

### Our way:

Closed carbon cycle starts and ends with carbon from the atmosphere







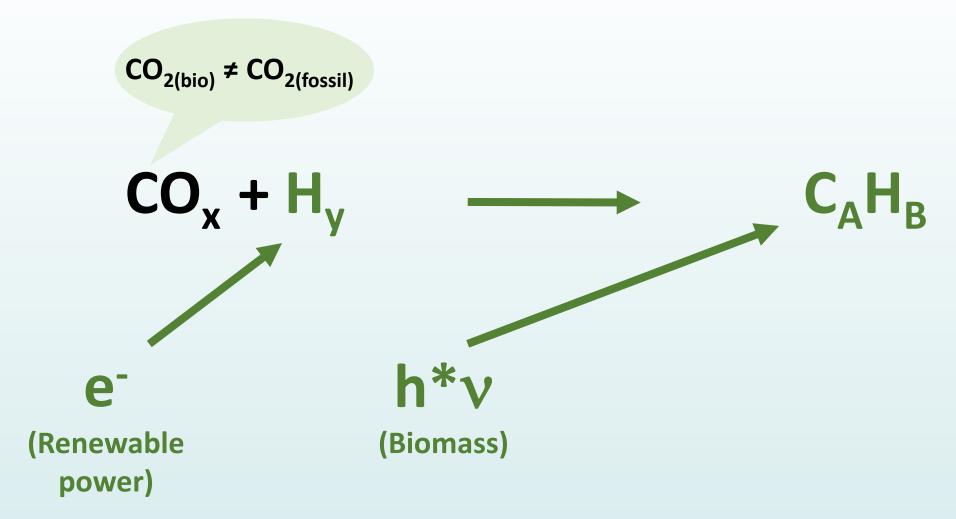


$$CO_x + H_Y \longrightarrow C_A H_B$$

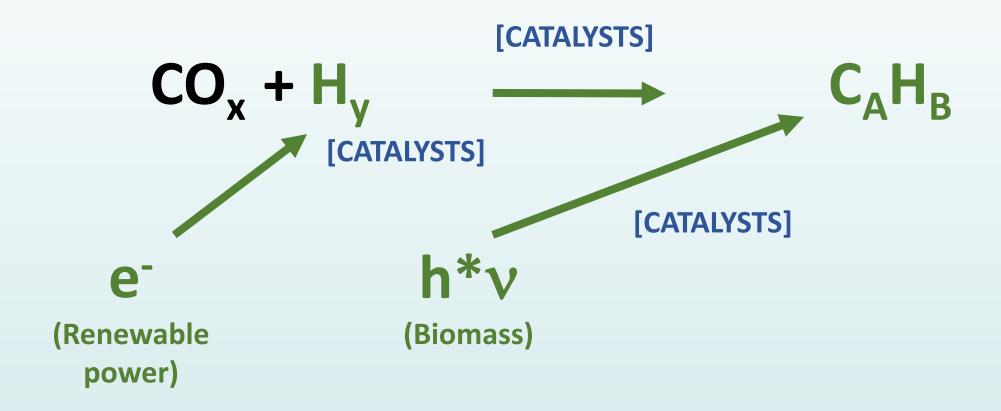


$$CO_x + H_Y \longrightarrow C_A H_B$$
 $CO_{2(bio)} \neq CO_{2(fossil)}$ 



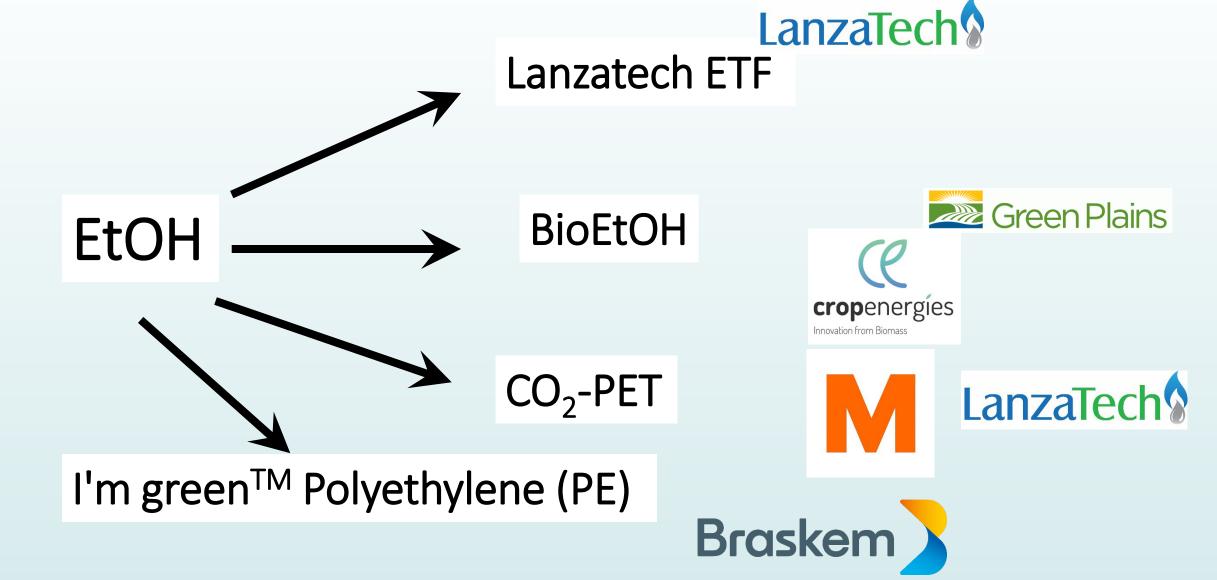






## New momentum for bio-catalysed routes





# Status bioplastics / PHA



#### **PLA**

Bioplastics from sugars (TRL9) Bioplastics from plant hydrolysates in development





### **PHA**

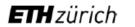
Bioplastics from plant oils (TRL9) Bioplastics from plant hydrolysates in development



**PLA** 

Bioplastics from gases in development









# Coalition for Green Energy and Storage:

### **Expertise in the ETH Domain**

