

Figures for Final Report of SYNPOL Project:

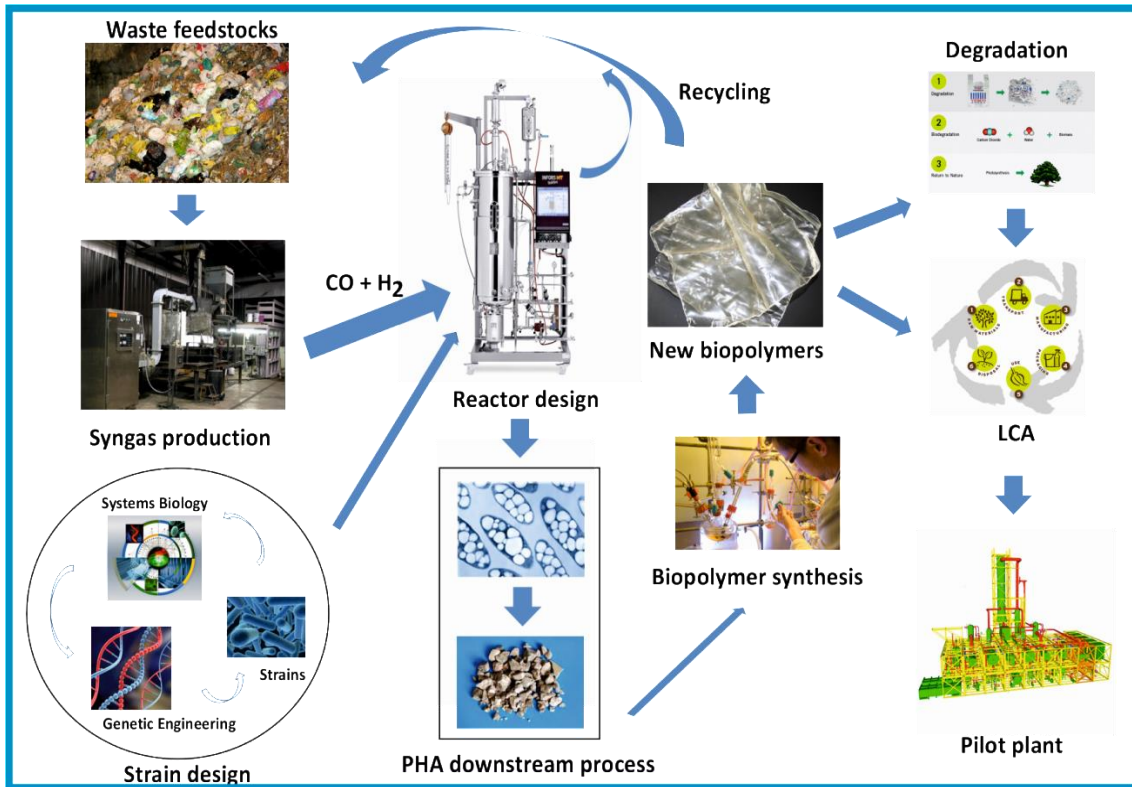


Fig. 1. The SYNPOL process - From different waste feedstocks to biopolymers.

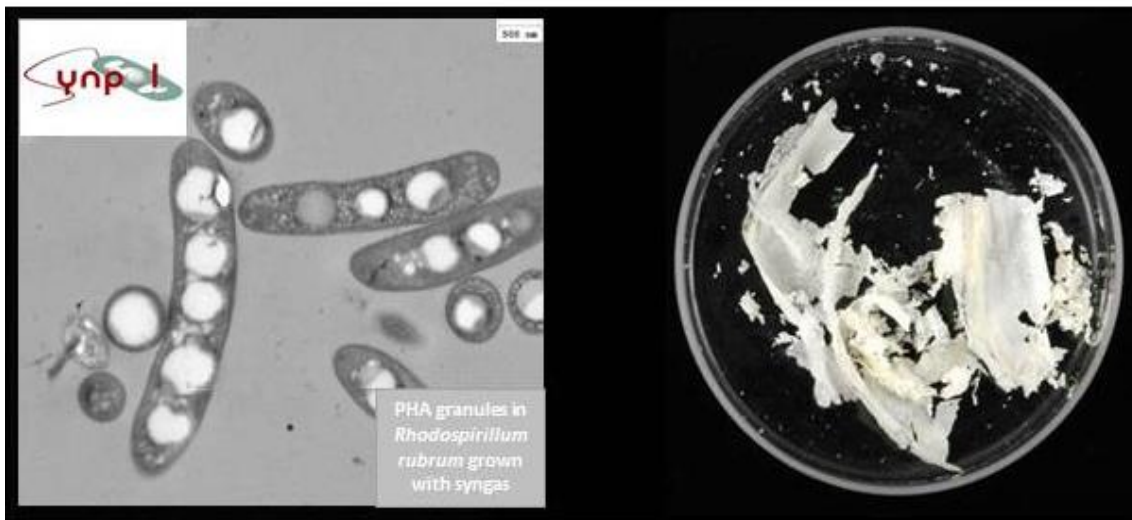


Fig. 2. Photograph of a PHA granules-accumulating *Rhodospirillum* strain (left) and short chain length PHA isolated from a bacterial culture (right).

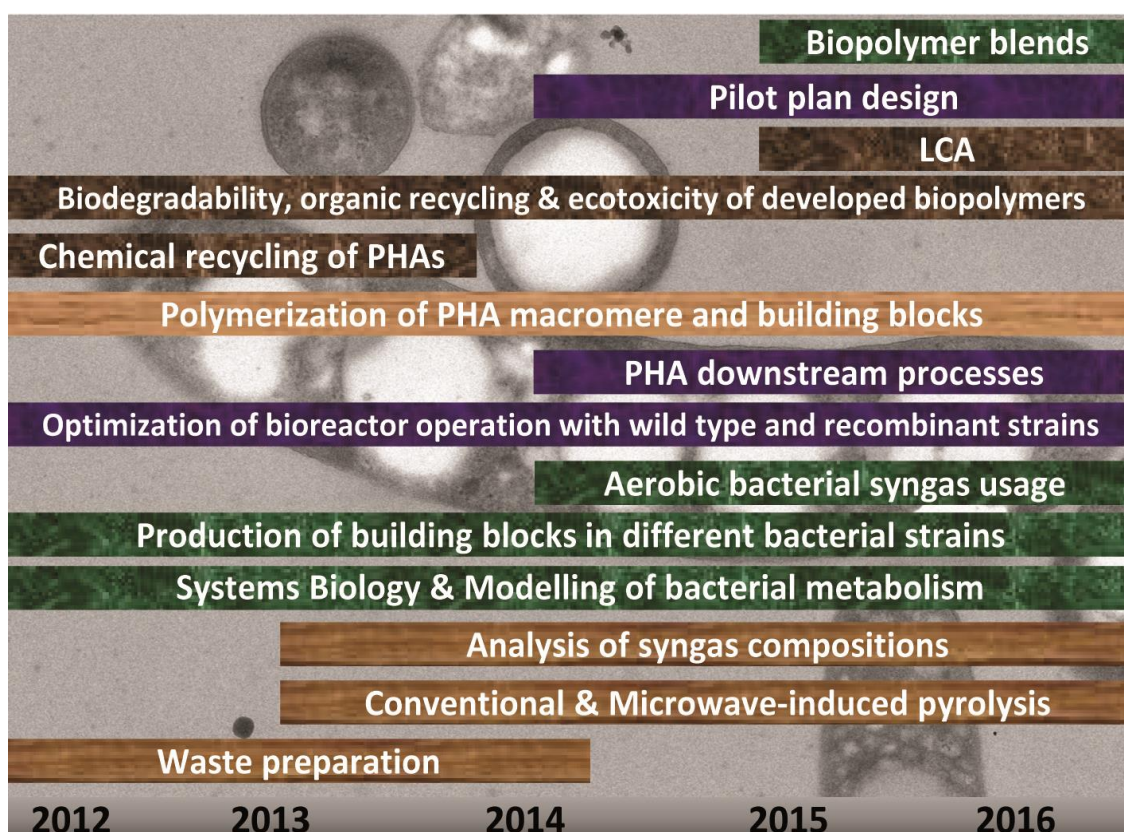


Fig. 3. The SYNPOL roadmap.

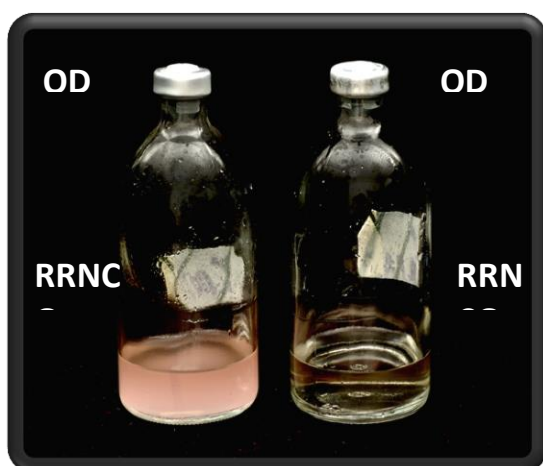
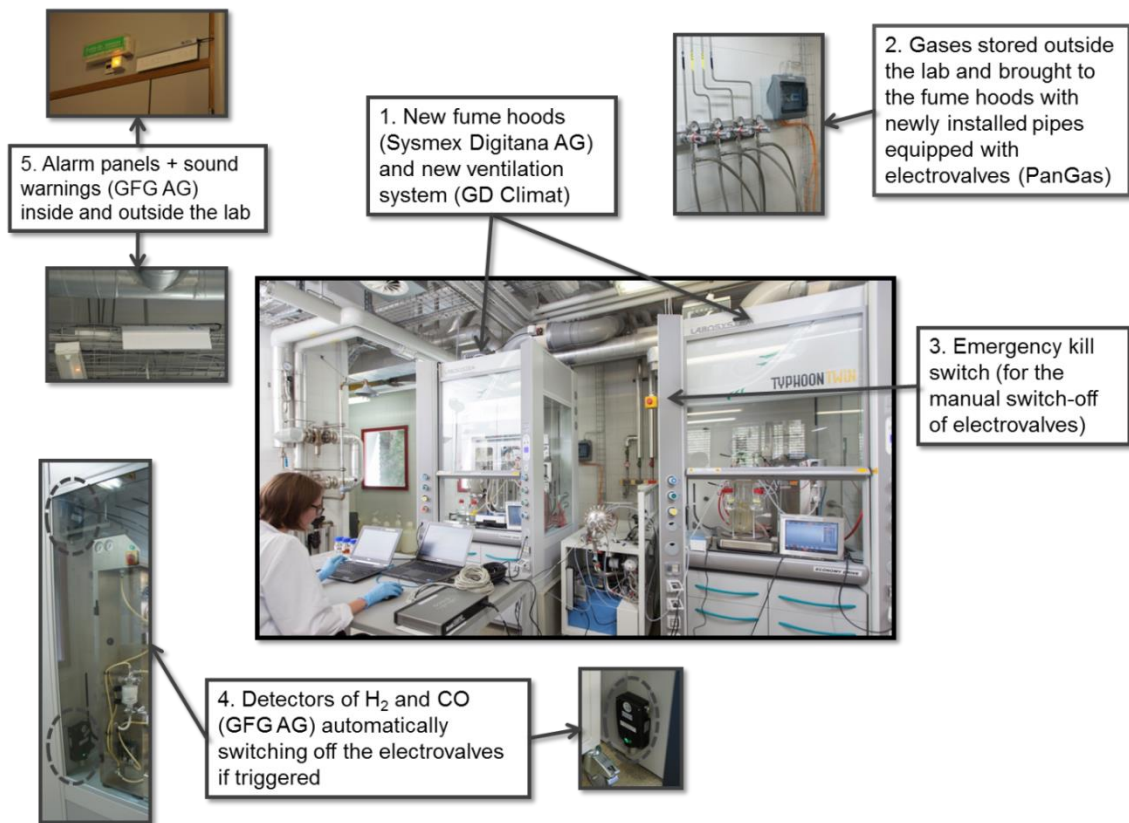
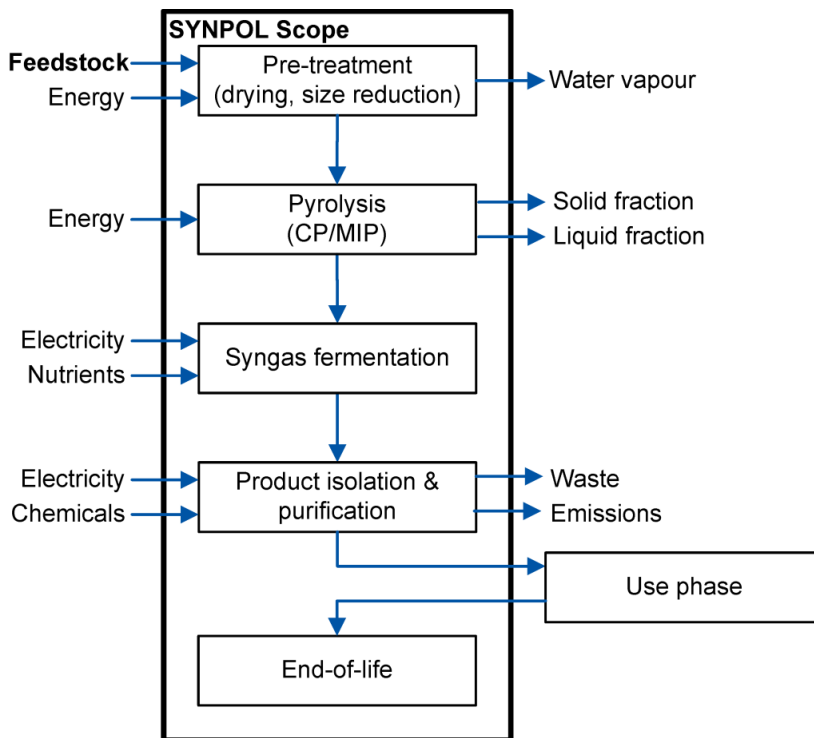


Fig. 4. Bacterial culture of *Rhodospirillum rubrum* grown in the dark with (left) and without (right) syngas as carbon source.



**Fig. 5. Safety installations implemented for carrying out safe bioprocesses with syngas.**



**Fig. 6. LCA - System boundaries of SYNPOL project.**



Fig. 7. Paper bag with cellulose film window made by utilizing the 100% biobased adhesive (from SYNPOL biopolymers) for its assembling.

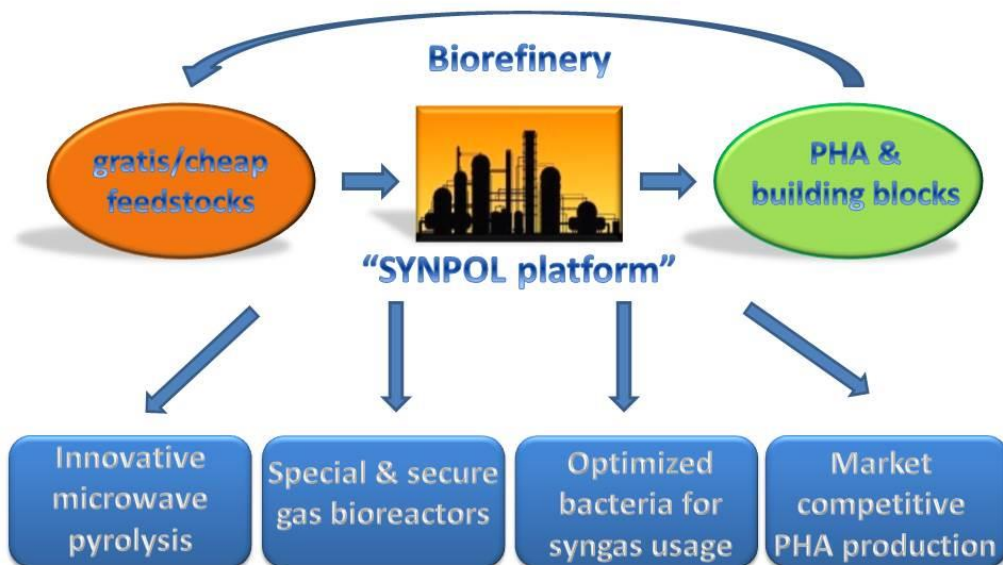


Fig. 8: SYNPOL – potential commercial outcomes.