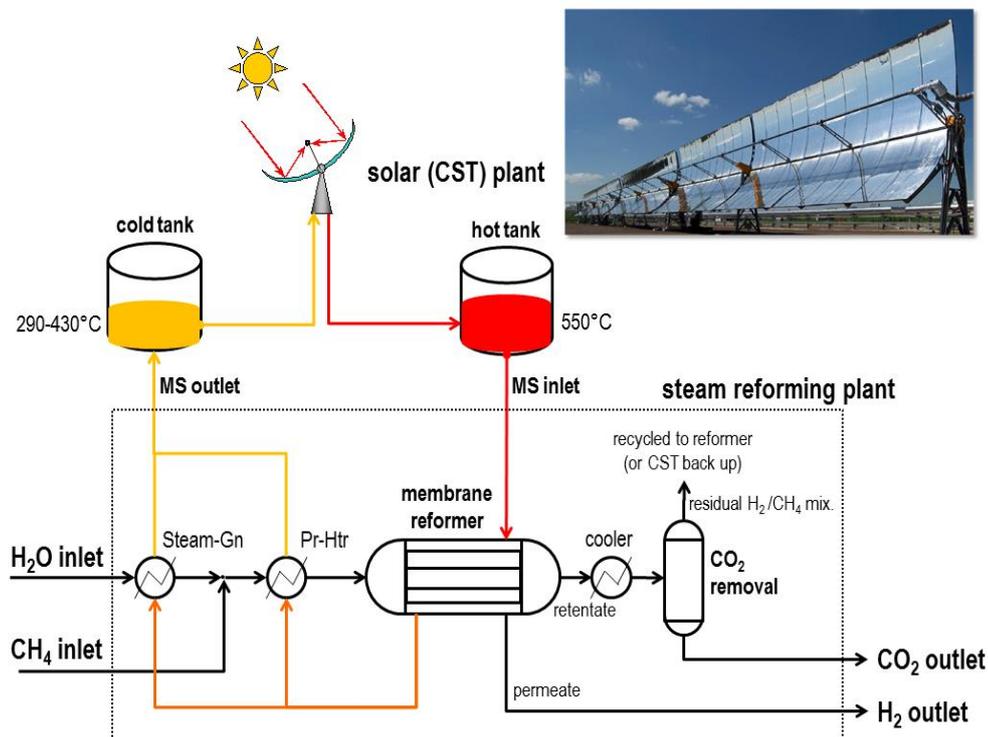
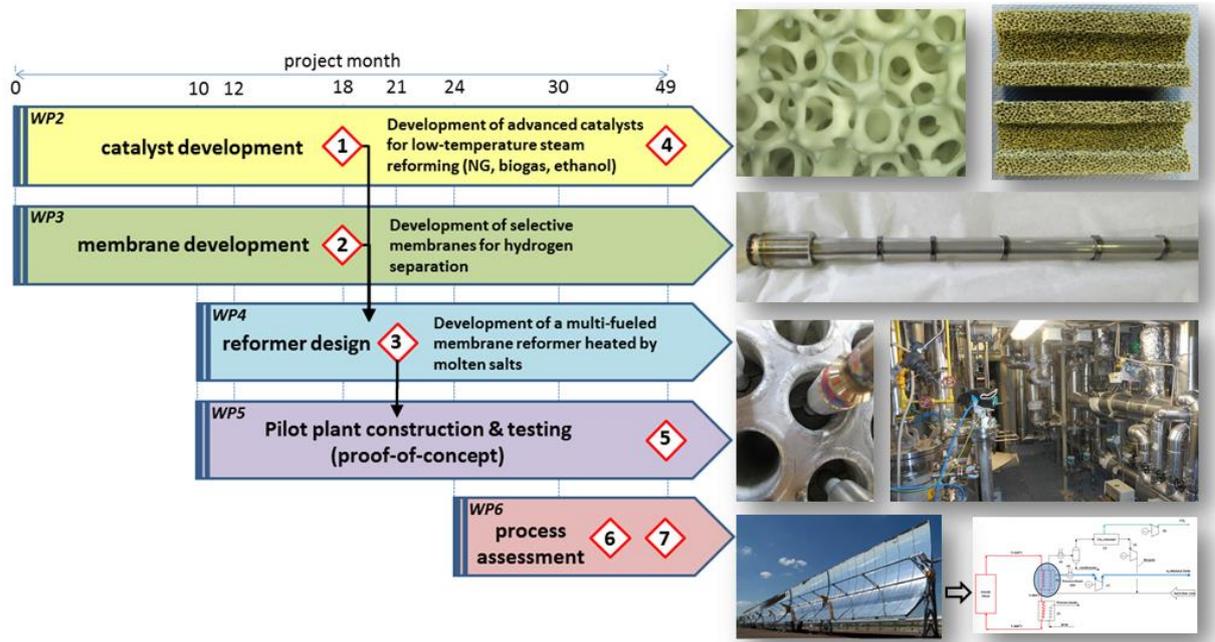


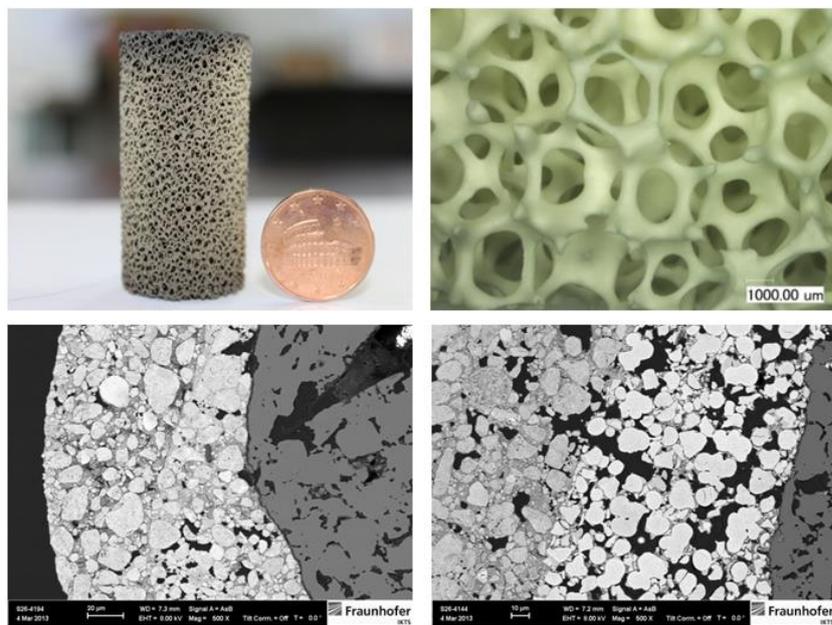
CoMETHy logo.



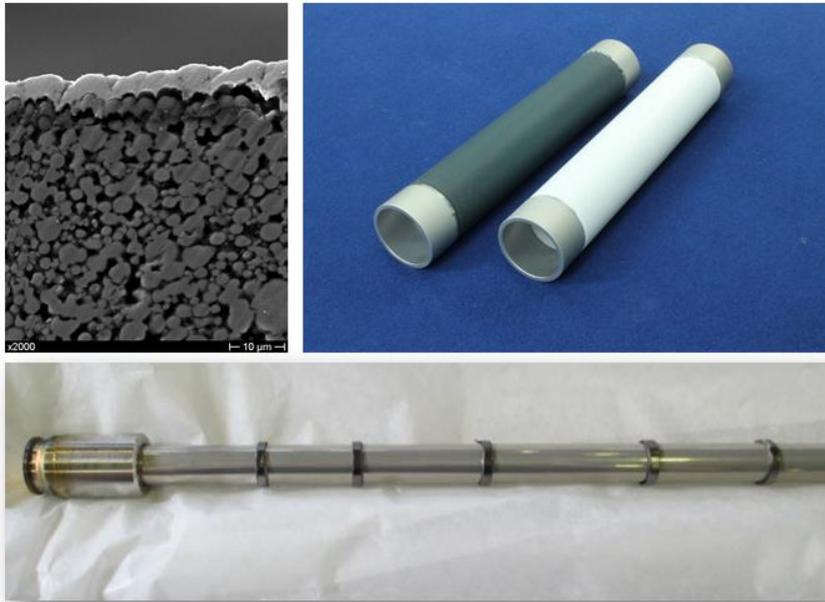
CoMETHy steam reforming concept. MS: Molten Salts. Feedstock  $\text{CH}_4$  can be replaced by  $\text{CH}_4/\text{CO}_2$  mixtures, bioethanol or other reformable feedstock (e.g. glycerol, LPG, etc.).



Simplified sketch of CoMETHy work plan, with RTD WPs, Milestones and outputs.



Catalysed ceramic foams developed in WP2.



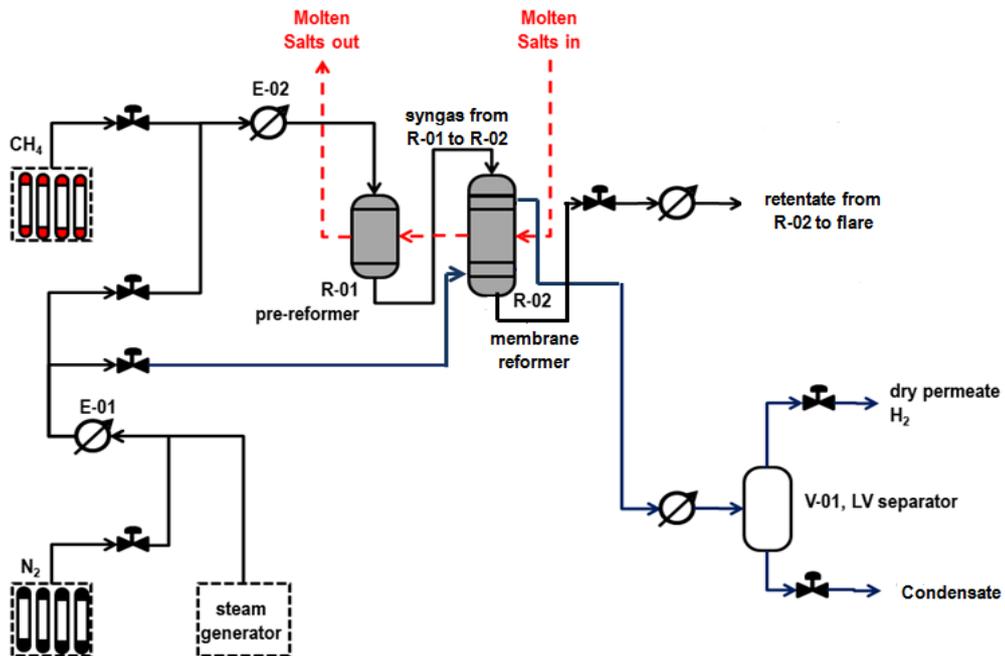
Supported Pd-based membranes developed in WP3.



Catalyst/membrane integration and laboratory reformer tests in WP4.



Steam reformer components developed for the pilot reactors in WP5: reactor heat exchanger (top left), catalysts (bottom left), membranes (right).



Chemical section scheme of CoMETHy pilot plant.



Pilot membrane reformer arrangement during construction in WP5.



External view of CoMETHy pilot plant during a visit of project partners (May 2015).



membrane reformer

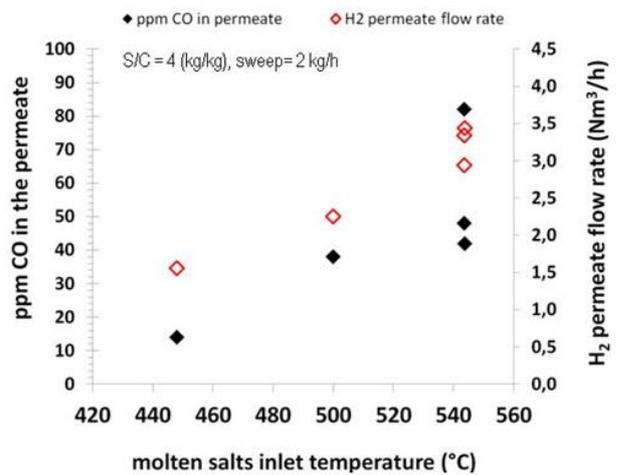
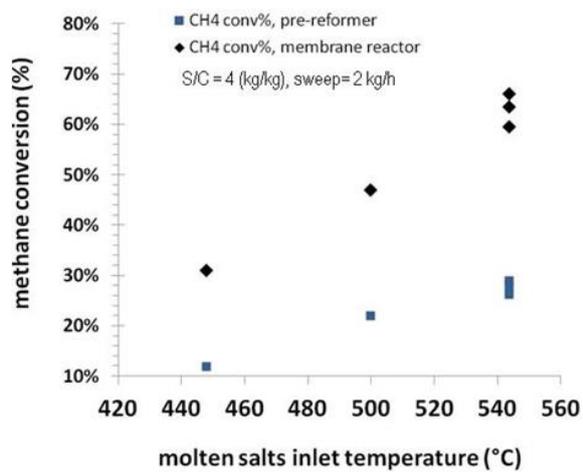


molten salts loop



pilot plant overview

Pilot plant sections in operation during experimental tests in WP5.



Pilot plant experimental results. Effect of molten salts inlet temperature on CH<sub>4</sub> conversion, CO concentration in the permeate stream and H<sub>2</sub> permeate flow rate.



International workshops organized in November 2012 in Rome and November 2014 in Petten.