



**Advanced Indirectly Heated  
Carbonate Looping Process**



# Concluding Remarks

Workshop of the ANICA project  
6 October 2021

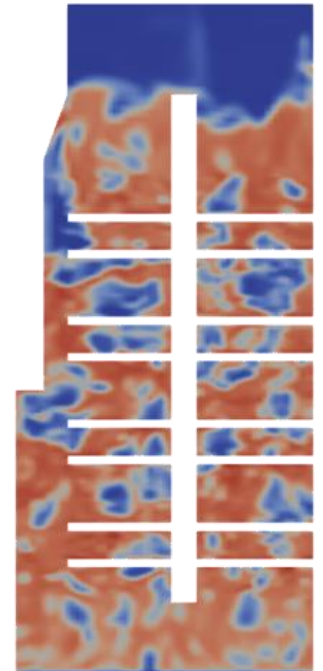
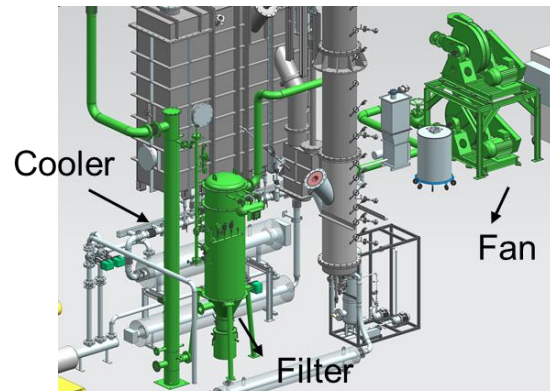
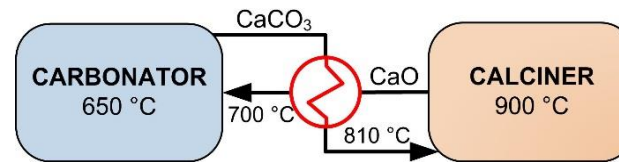
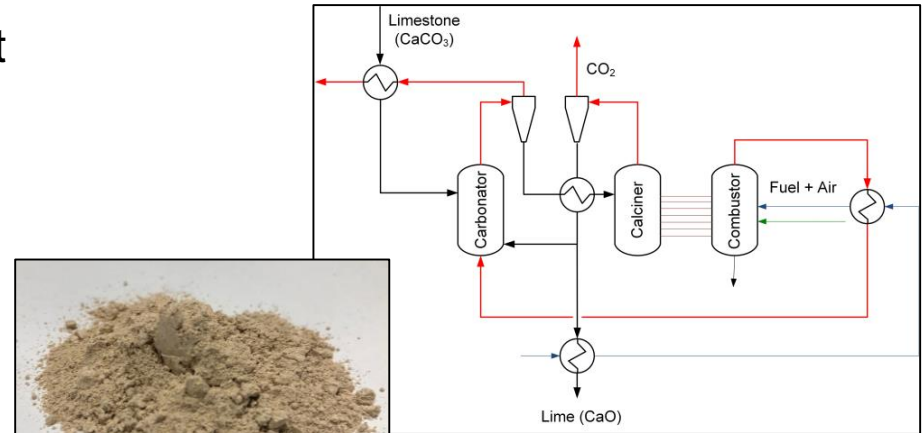
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# Achievements in ANICA



- Basic process concepts for lime/cement plants developed
- Performance of raw meal as sorbent evaluated
- Process and CFD models developed
- Novel reactor concepts developed
- Upgrades of pilot plant being installed



# Next Steps in ANICA

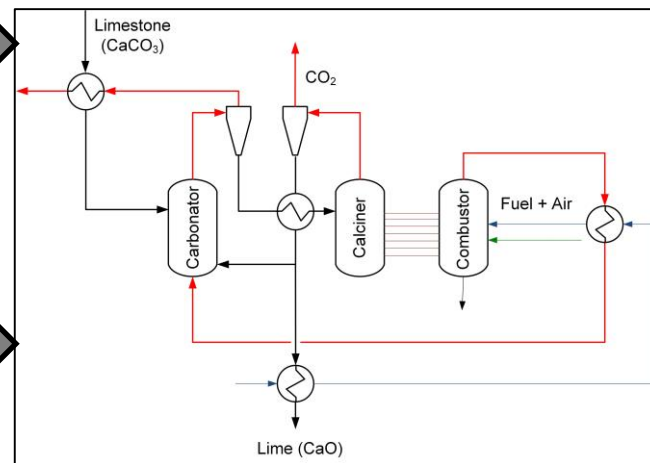


Pilot tests (~6 weeks)

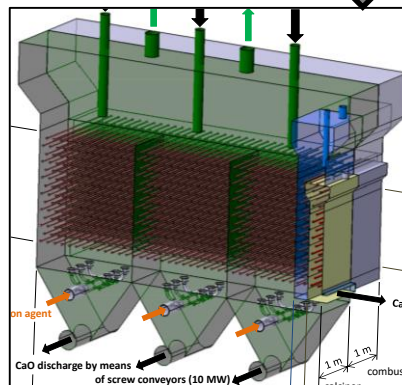


Analysis of sorbents  
→ utilization in  
production process

Process optimization  
(novel reactor concepts, simulations)

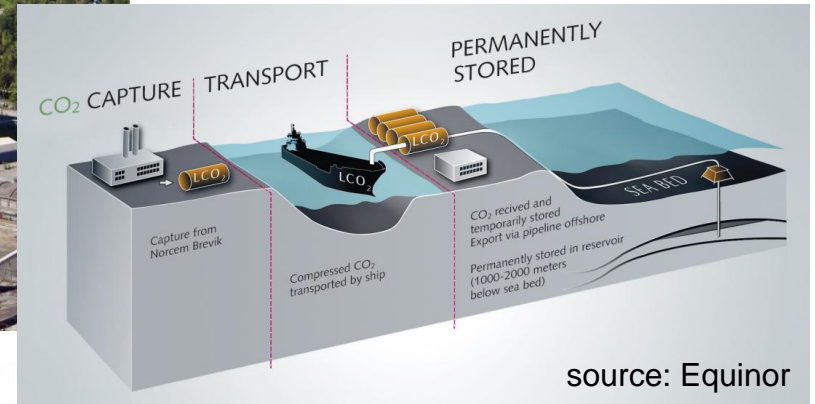


Design of  
demonstration  
plants



Process assessment  
(risks, economics,  
environmental impact)

# Ongoing Projects



CLEAN clinker by calcium looping for low-CO<sub>2</sub> cement



# Thanks to



- All speakers for excellent presentations
- You for your participation and discussion
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Thank you for your attention!

