











LabMET

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Take home: A potential value ≈ 0.4 €/m³, but mainly as "water"



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Economic estimates for C2C sewage treatment			
Processes	Costs (€/m³)		
Major Flow			
 Dissolved air flotation 	0.02-0.03	0.50.4.45	
 Dynamic sand filtration 	0.05-0.06	0.53-1.15	
 Ultrafiltration and reverse osmosis 	0.46-1.06		
Minor flow			
 Anaerobic digestion 	Break even	0.00.0.40	
 Mechanical separation 	0.08-0.10	0.08-0.10	
	Break-even		
	Total costs:	0.61-1.25*	

Sewage as a resource		
Economic balance		
CAS-design	C2C design	
□ Total cost with water recovery ≈ 1.0 €/m ³	□ Total cost with up- recycling of water & nutrients ≈ 1.0 €/m ³	
(Van Haandel & Van der Lubbe, 2007)	 Perspective: CO₂ recycling via algae Recovery of struvite C-storage as biochar 	
Take home: The C2C design can already be achieved at equal costs of the CAS + it holds plenty of extra potentials		









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