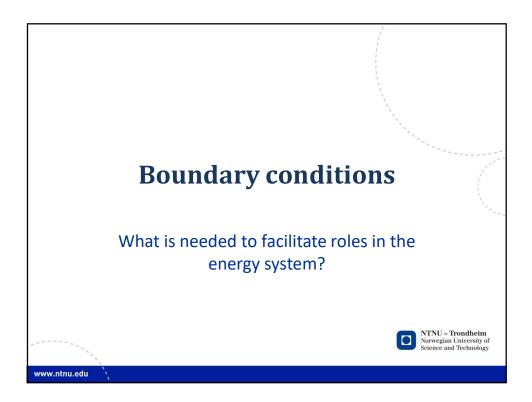


NG roles Europe – back of the envelope						
	Horizon Application	2030	2050			
	Base-load power	Yes	Unlikely	·		
	Flexi power	Yes	Probably	1		
	IND - Feed stock	Yes	Probably			
	IND - Process heat	Yes	Probably			
	Building heating	Yes	Maybe			
	Transport	Niches	Maybe			
	Hydrogen feedstock	Yes	Probably			
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Boundary conditions for NG role						
	Application	Horizon: 2050				
	Base-load power	CCSNegative emissions elsewhere; eg, BECCS				
	Flexi power	 No electricity storage break-throughs Remuneration of flexibility value CCS (?) 				
	Building heating	 Negative emissions elsewhere (Electrification more likely) 	1111			
	Transport	 Negative emissions elsewhere 				
	CH4+CCS=H2	acceptancea market and infrastructureCCS				
+ level-playing field for technologies considering all external effects including timely and reliable policy environment Norwegian University of Science and Technology						
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