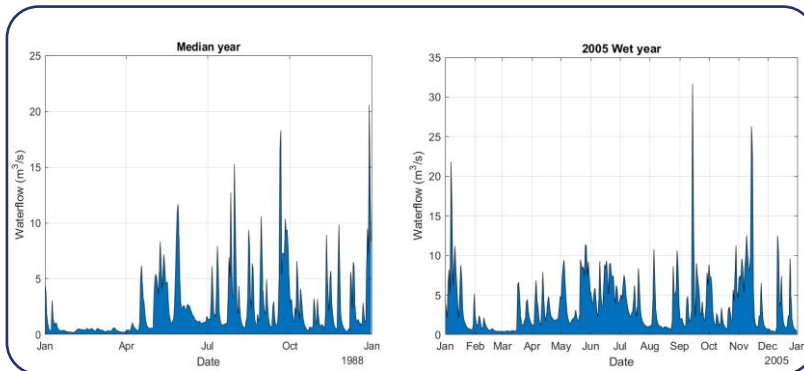
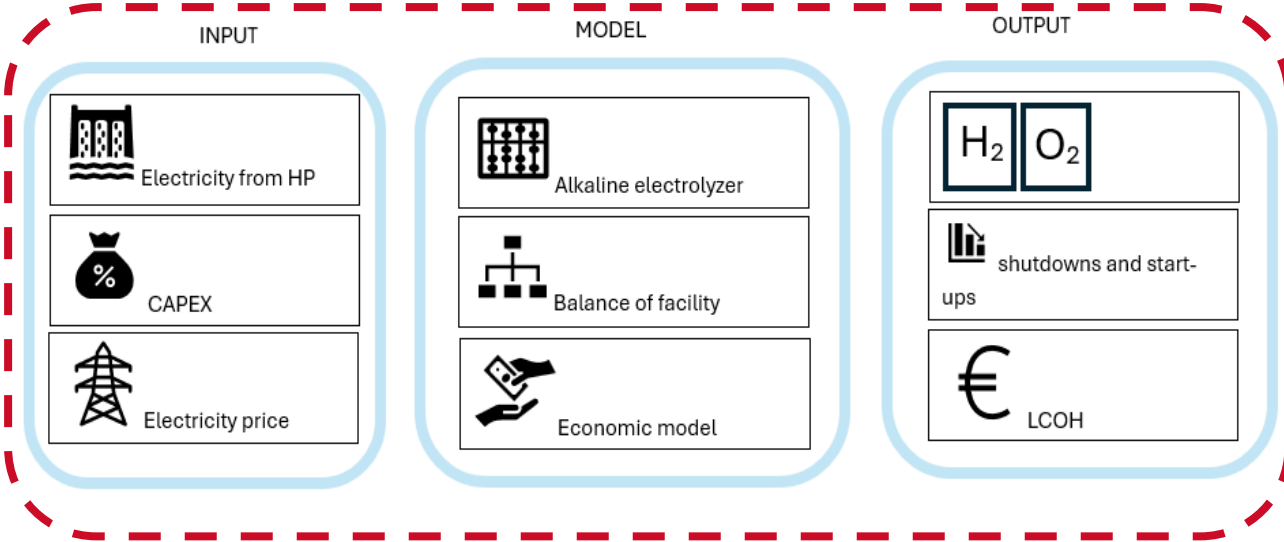


Hydrogen production from fluctuating power sources



Primary objective

- Analyze the different variable power sources that can be utilized for hydrogen production

Secondary objectives

- Analyze how to size the electrolyzers for the variable power input.
- Underwater storage safety aspects.

Liina Sangolt

Affiliation(s) = *UIB, HVL*

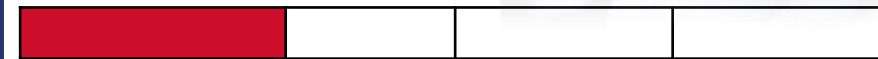
Related projects: *HyValue, Center for safety at sea by HVL*

Master in Mechanical Engineering, 17 years of experience as a process engineer in the oil and gas industry, lecturing in Fluid Mechanics, Petroleum Production, and Technical safety in Process Industries



Estimated progress of the PhD project:

Just started ... < 50 % > 50 % Almost done 😊



Publications:

- Sangolt L., Olivares A.F., Rognmo A.U., Quaysson E., Oltedal V.M., (2024-03-06-08) Modelling hydrogen production from small-scale hydropower, a case study, EHEC2024, Spain, Bilbao
- Sangolt L., (2024-03-21), Hydrogen production from run-off river power plant, EPHYC, Belgium, Ghent