$$LCOH = \frac{LHV}{\eta_{sys,LHV}} \left(\frac{\frac{i}{100} \cdot \left(1 + \frac{i}{100}\right)^n}{\left(1 + \frac{i}{100}\right)^n - 1} + \frac{OPEX}{100} \right) \frac{CAPEX}{\tau} + E$$
specific energy demand

LCOH levelised cost of hydrogen [€/kgH₂] system efficiency related to the LHV $\eta_{\text{sys,LHV}}$ LHV lower heating value [kWh/kgH₂] full load hours [h] discount rate [%] OPEX operational expenditures [% CAPEX/a] **CAPEX** lifetime [a] capital expenditures [€/kW] n Е electricity costs [€/kWh]