



Amine Oxidation Mechanisms and Mitigation

1. NO_2
2. Dissolved O_2
3. Accumulated $\text{Fe}^{+2}/\text{Fe}^{+3}$

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The LAUNCH Project

Lowering **A**bsorption process **U**ncertainty, risks and **C**osts by predicting and controlling amine degradation

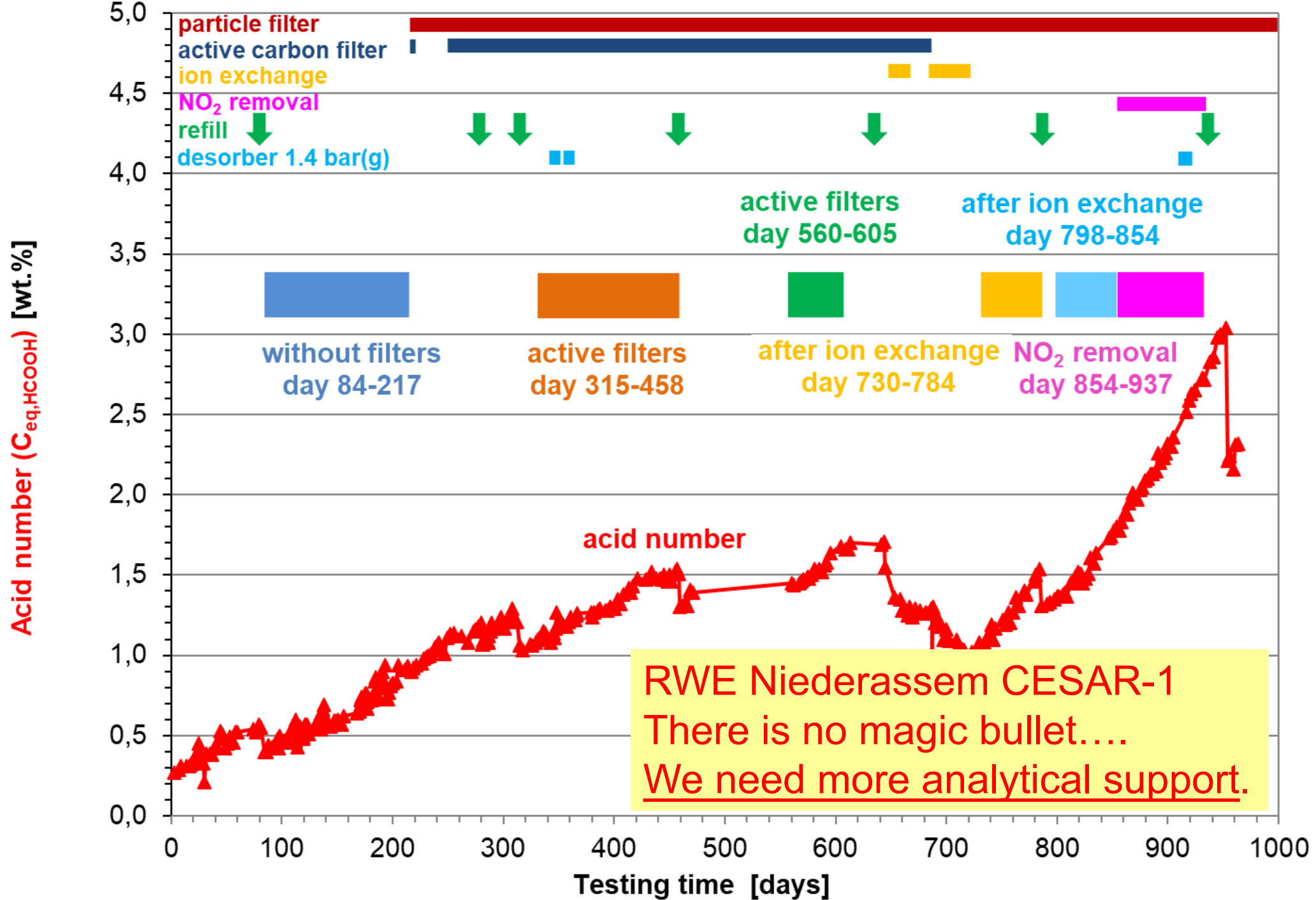
- 11 partners from NL, UK, DE, NO, USA
 - LANL/University of Texas at Austin
 - NTNU, SINTEF, BIOBE
- Total budget: € 7.248.625
- Total funding: € 5.090.849

Total Budget per Country



■ Netherlands ■ Norway ■ United Kingdom ■ Germany ■ USA





Oxidation testing in the SRP, PZAS pilot plant, Air + 4% CO₂

NO₂ Catalyzes Oxidation, resulting in 40 mol PZone/mol NO₂

