

Sulphur measurements

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Task 7.3: developments towards standardization



Partners:



BRISK

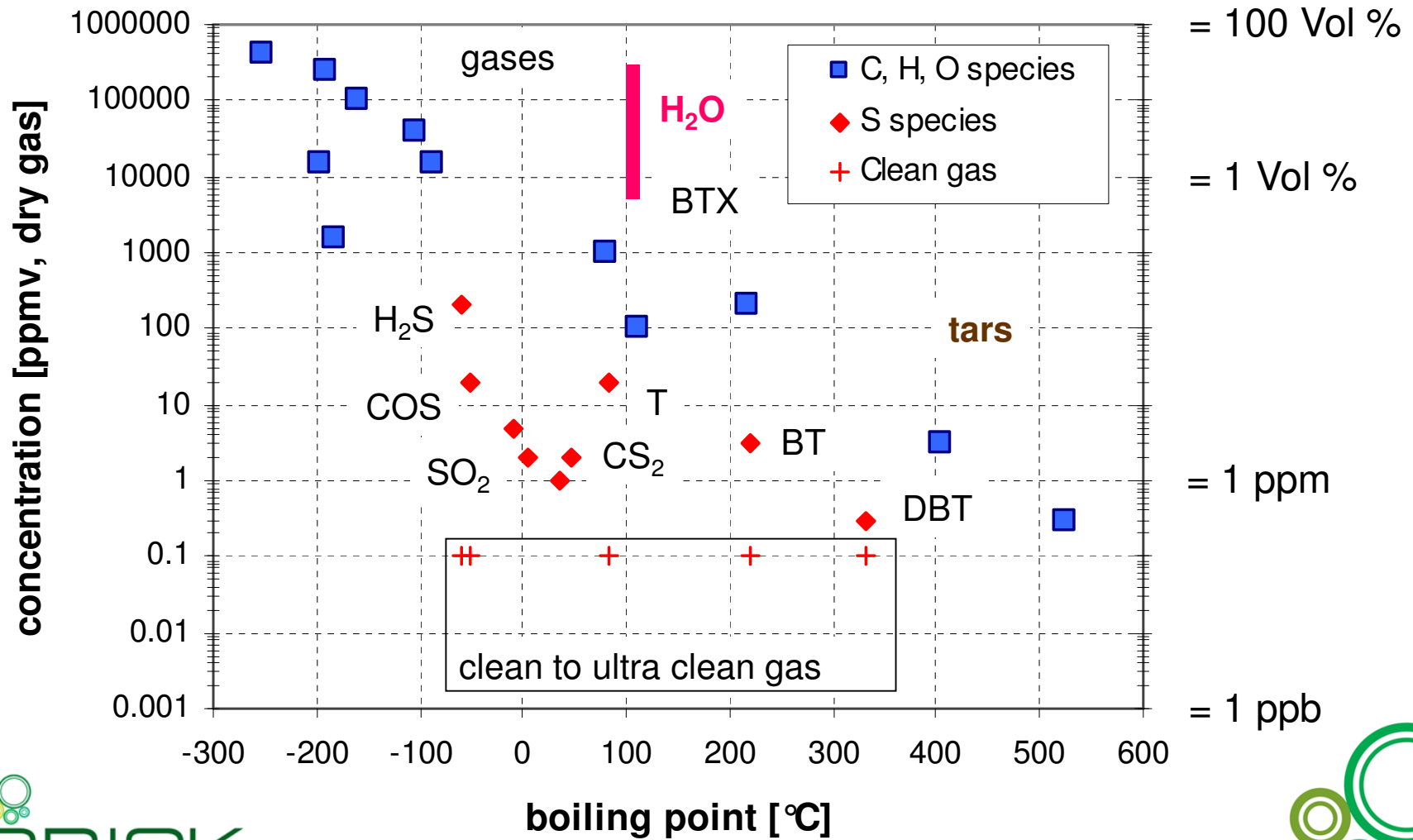
Serge Biollaz
PSI (CH)

Biofuels Research Infrastructure for Sharing Knowledge

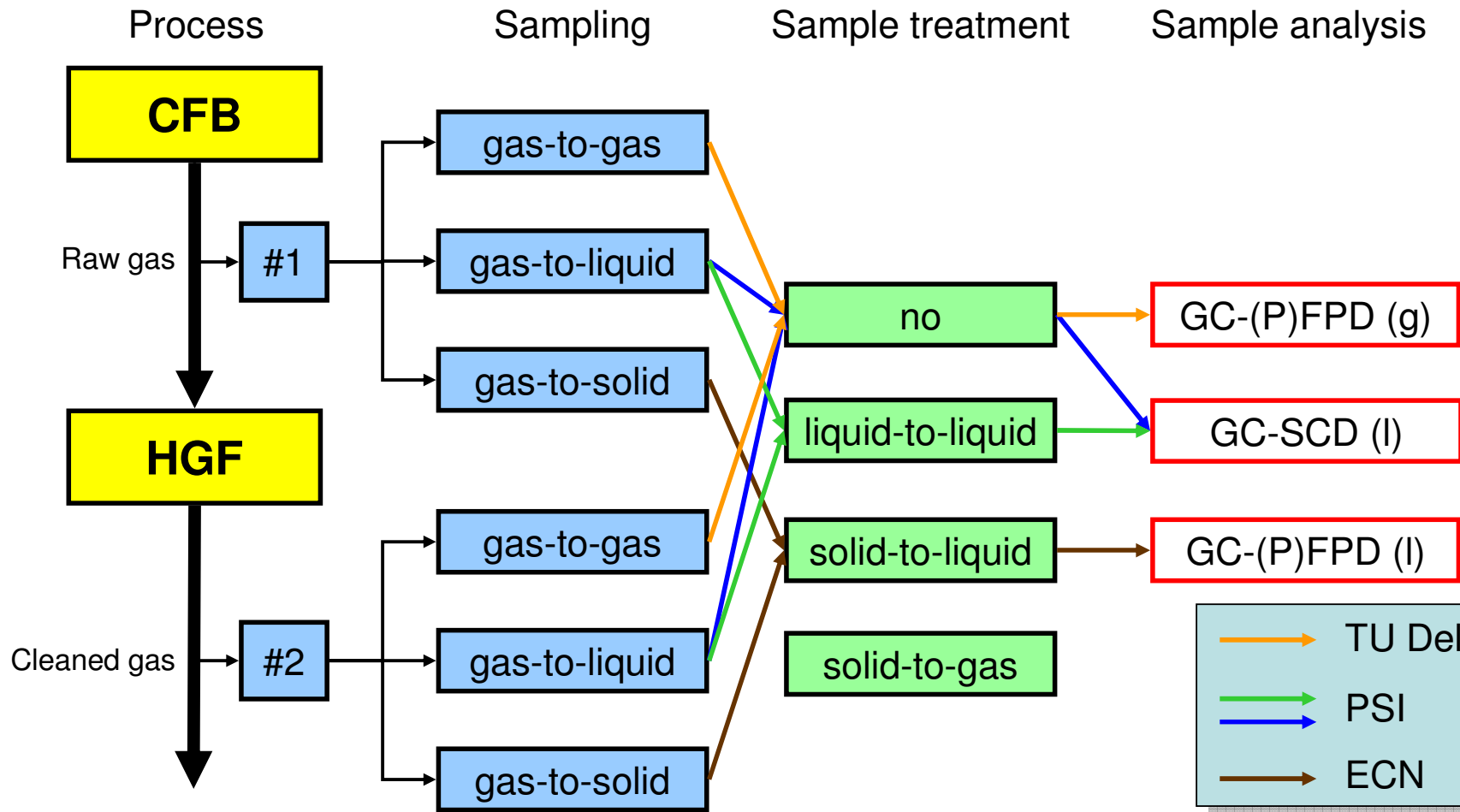
www.briskeu.com

Comparison of C-species and S-species

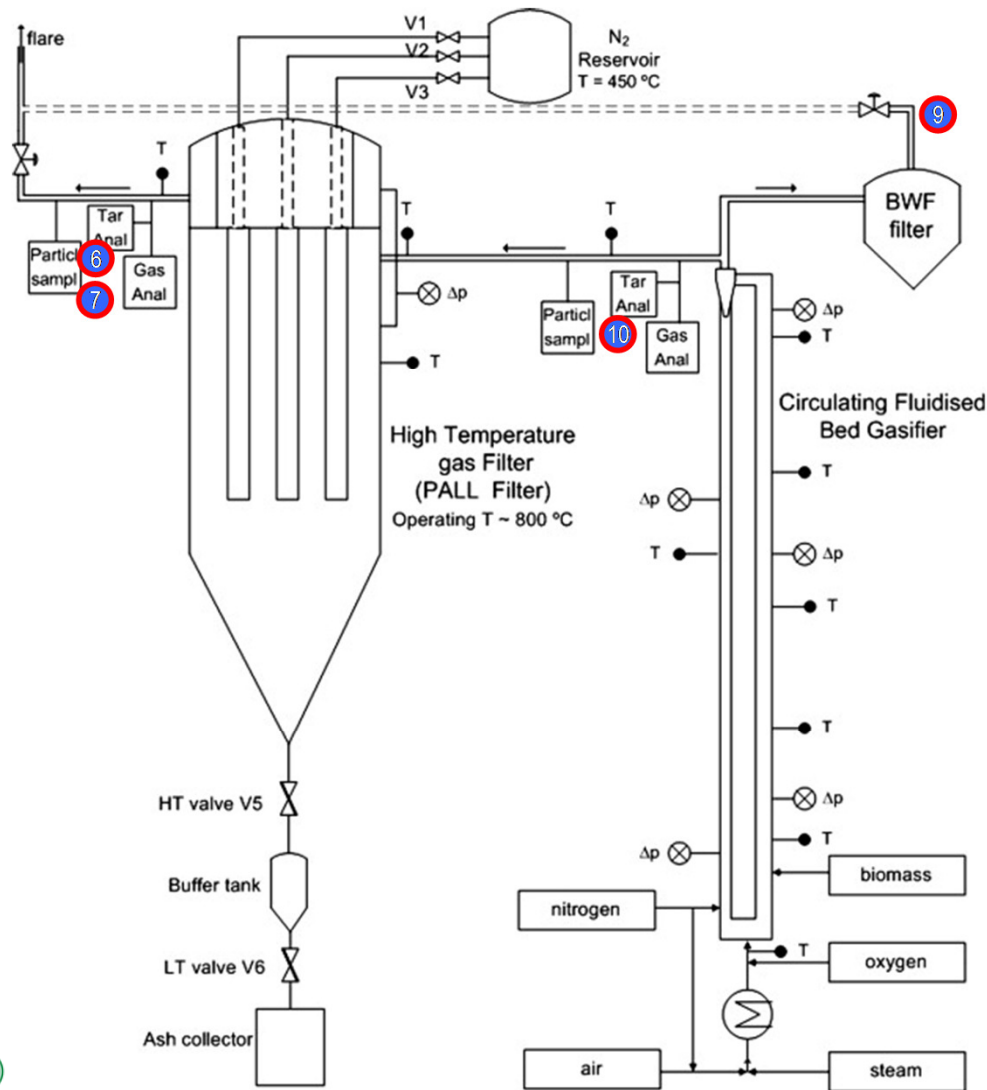
Qualitative data for low temperature gasification: Finger print for process and fuel



Different ways how to sample and analyse



TU Delft test rig: CFB gasification and hot gas filter



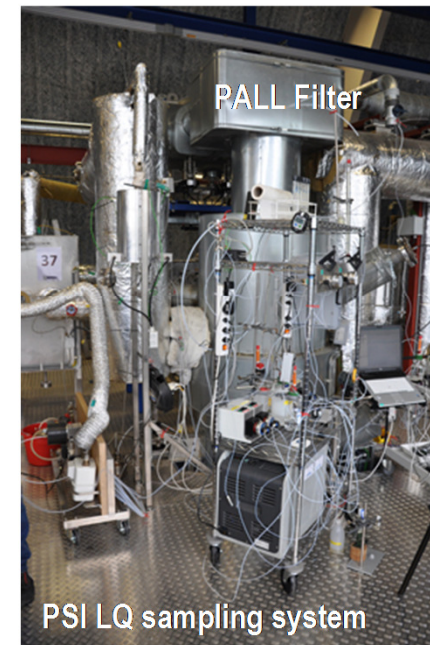
Sampling points for tar and sulfur tar measurement: 6 - 10

6. After hot gas filter (800°C), vertical

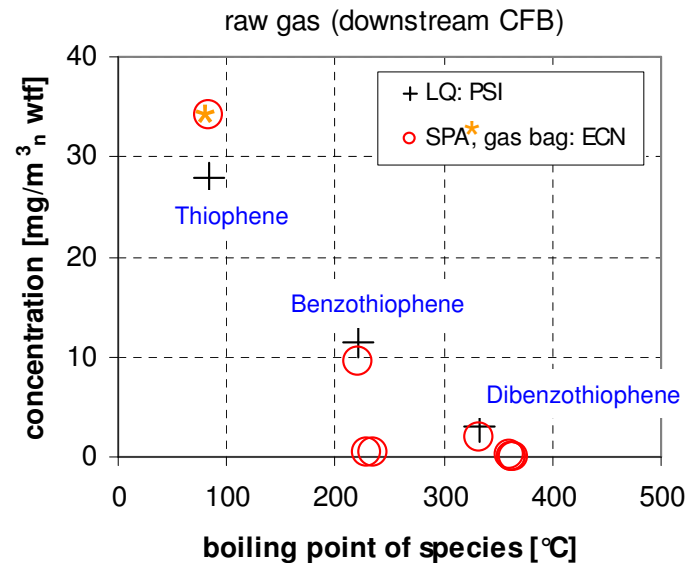
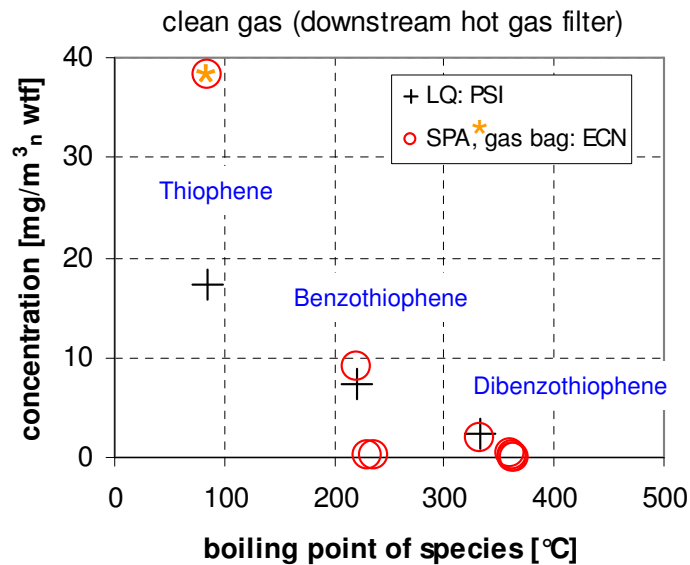
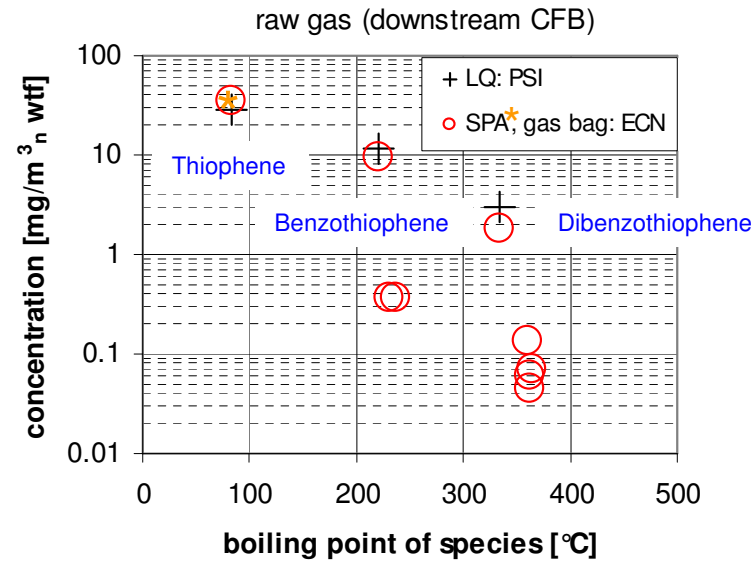
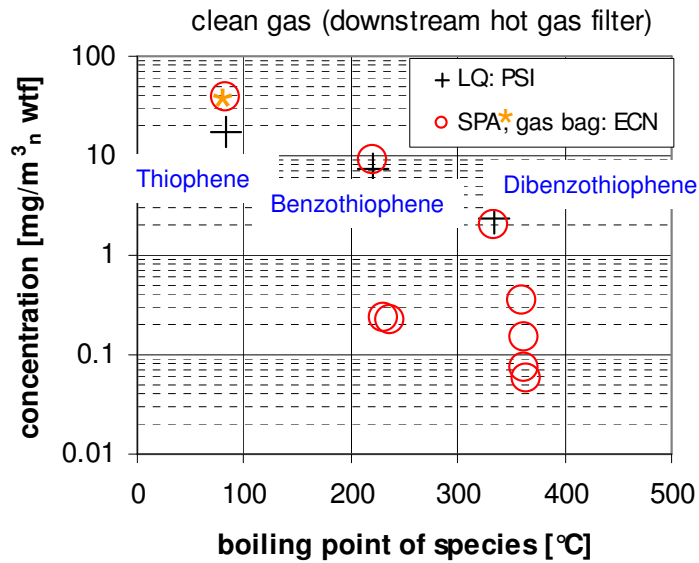
7. After hot gas filter (800°C) horizontal

9. After warm gas filter BWF (350°C)

10. Raw gas after analytical filter (300°C)



Comparison of sulphur measurement ECN & PSI



Tar - & sulphur protocol: Common basis

Selected data of TU Delft CBF gasifier, raw gas

