



Gas Analysis Workshop 2015

Introduction to EERA Bioenergy Task “On-line / off-line gas measurements”

Vienna, 5.6.2015

Serge Biollaz (PSI)

www.eera-set.eu

Task: On-line / off-line gas measurements

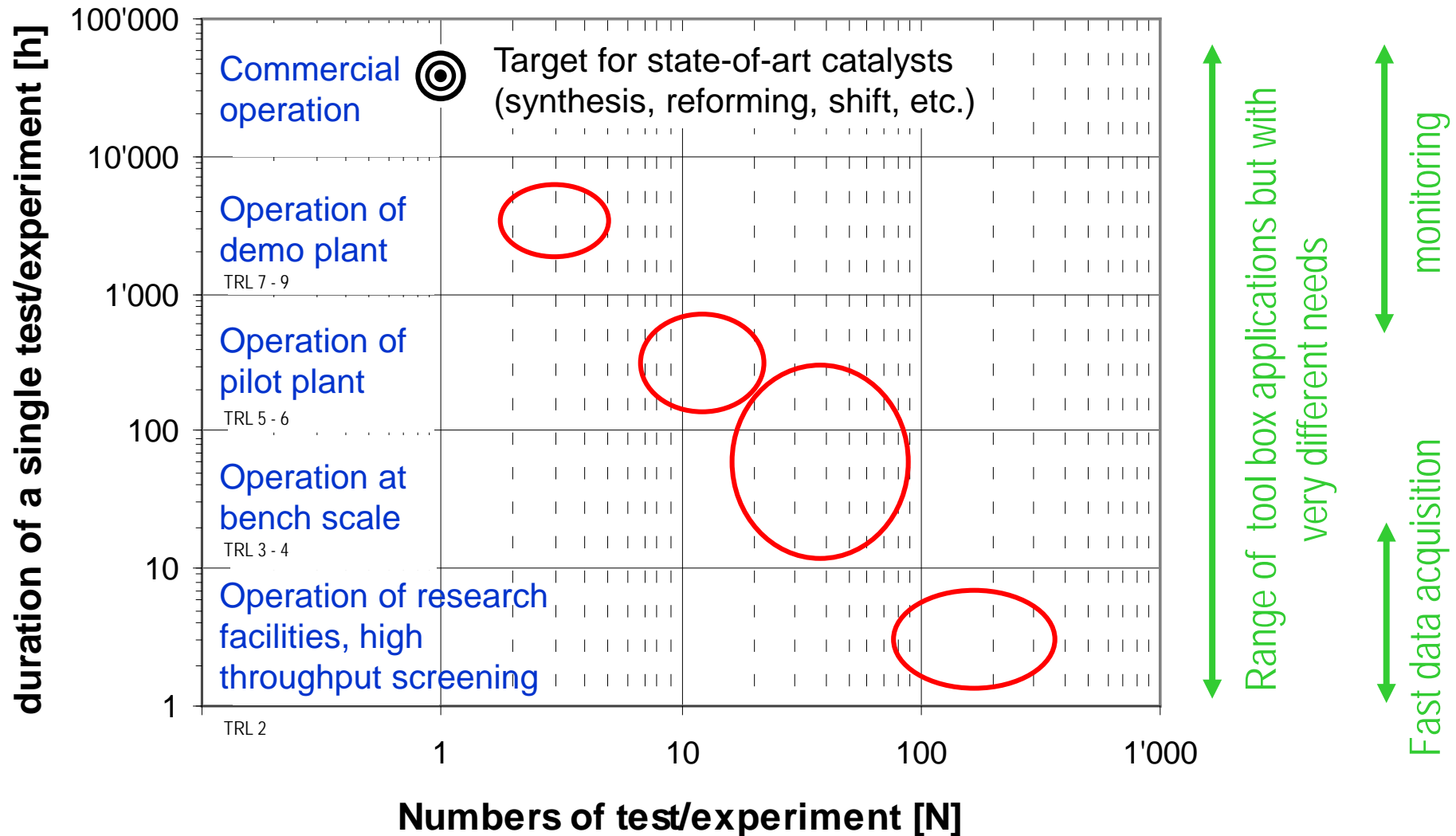
Contaminants of interest:

- particulates
- C-species (tar, soot, hydrocarbons)
- S-species
- N-species
- Cl-species
- alkalis
- metals

EERA RTD organisation willing to participate in this task:

PSI, ECN, TUBITAK, KIT, Risø-DTU, CIEMAT, SINTEF, VTT, CEA, ENEA, Supergen (Cranfield)

Application of diagnostic toolboxes



Summary

- There is a need for pre-competitive research activities in the field of “gas analysis”
- There are multiple applications for gas analysis toolboxes:
 - Species of interest (C, S, N, Cl, ...)
 - Conversion processes
 - Maturity of technology/phase of technology implementation: R&D (TRL 1 – 9), technology deployment, full commercial
 - Biomass feedstock applied
- Defining of very specific actions in the field of “gas analysis” is ongoing within Gas Analysis Working group.
- Host site round robin tests stimulated already a good exchange of various experts.

EERA-Bioenergy contacts:

Jaap Kiel, SP1 leader: kiel@ecn.nl

Michaël Becidan, SP5 leader: Michael.Becidan@sintef.no

Task: On-line / off-line gas measurements

serge.biollaz@psi.ch

