



**SMART
MARITIME**

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sfi^{II} = Centre for
Research-based
Innovation

The Research Council of Norway



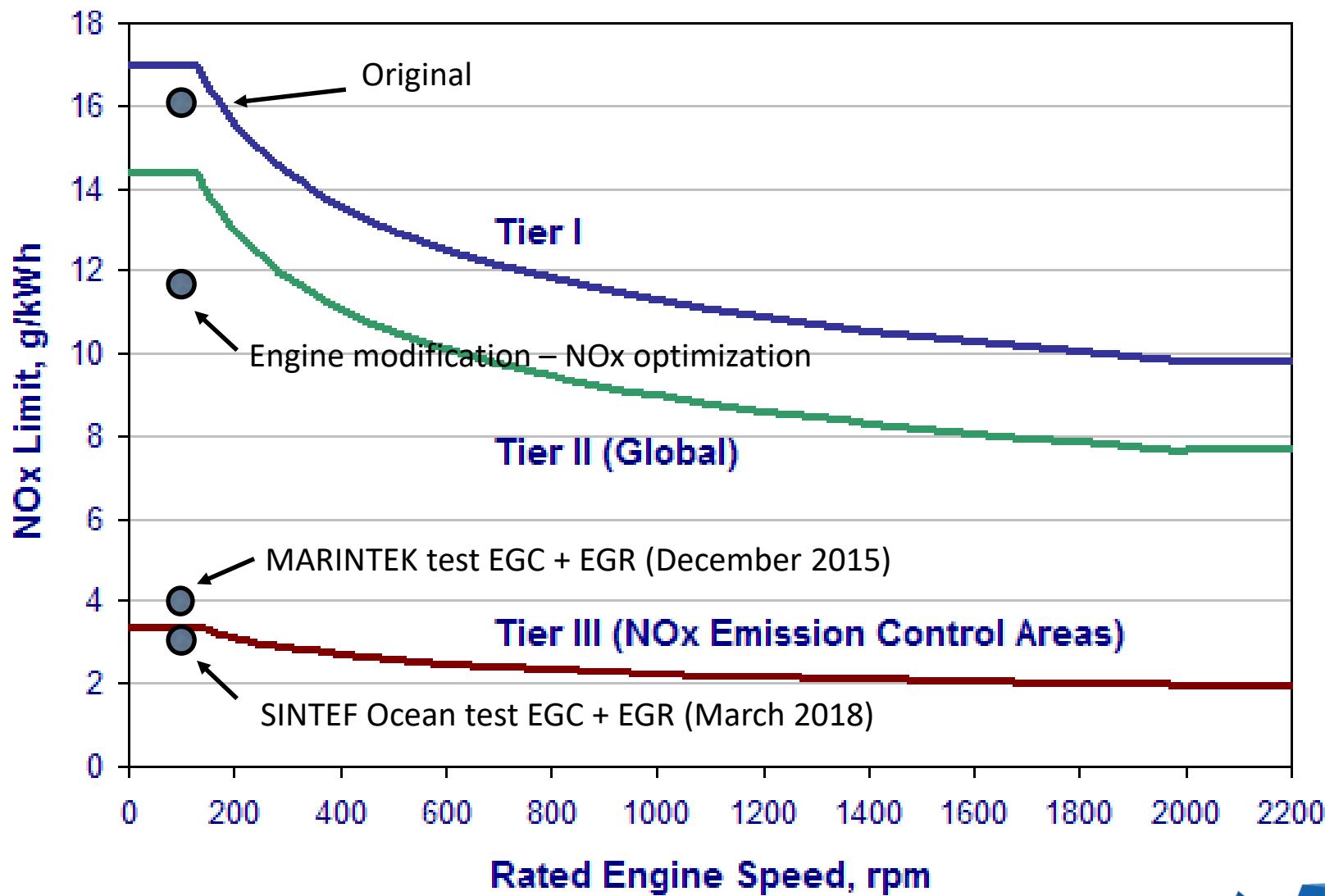
EGR / SCRUBBER

PER MAGNE EINANG, SINTEF OCEAN
SERGEY USHAKOV, NTNU
SAC MEETING 20-09-2018

HFO operation in ECA Exhaust Scrubbing and EGR

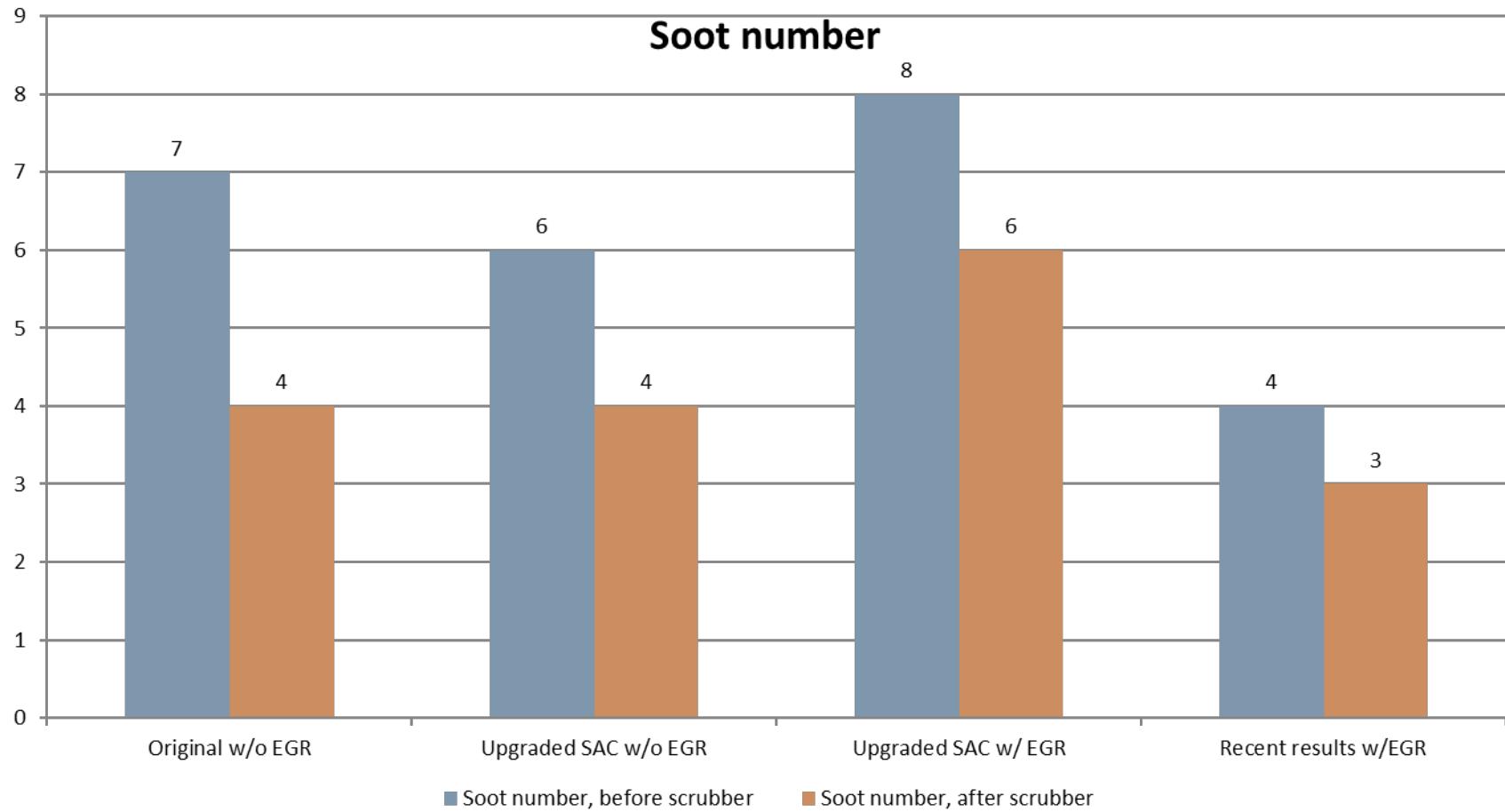
Partners: Solvang, Wärtsilä Moss





Clipper Harald

Operating at 60% Load



Exhaust gas Scrubber open loop- Wash water cleaning

