

# SAMAP 2015. Den Helder.



The air that we breathe.



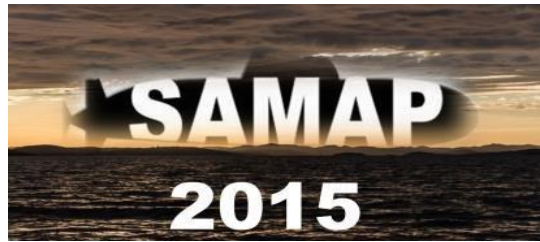
# Submarine Air Purification and Air Monitoring Conference.

5 – 8 October

Hotel Den Helder

Den Helder



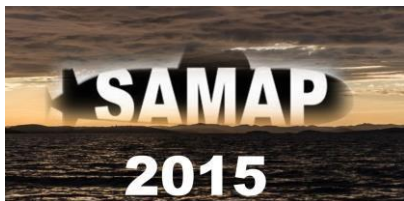


Monday 5 October

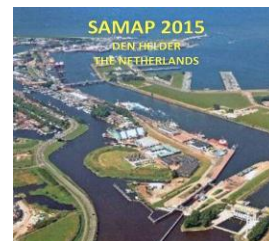
12.00 - 17.00 Registration in conference room Hotel Den Helder

1800 – 2100 Ice breaker in courtyard of the hotel by the bus





## Submarine Air Monitoring and Air Purification 2015



# Agenda

### Tuesday 6 October 2015

08.00-09.00 Coffee and registration

09.00-09.15 Welcome by Captain Amerlaan, head of submarine flotilla

09.15- 09.30 Opening by Wally Mazurek and introduction of delegates

09.30-10.30 Key Developments in SAMAP over the past 20 years – W Mazurek

10.30-11.00 Coffee break

### Air Quality Session – Chair Hilary Bollan/Tom Limero

11.00 – 11.30 Operational use of the air quality monitor –Tom Limero/Paul Mudgett/Jeff Pilgrim

11.30 – 12.00 Results of a Long-Term Demonstration of an Optical Multi-Gas Monitor on ISS – Paul Mudgett/Jeffery Pilgrim

12.00 - 13.00 Lunch

13.00 - 13.30 Real-Time Monitoring of Volatile Organic Compounds in Submarine Air by Chemical Ionization Mass Spectrometry- Julien Leprovost/Elsa Bauchard/Joël Lemaire/Michel Henninger/Fabrice Arsac/Corninne Grégoire

13.30 – 14 00 Post Fire Monitoring – Hilary Bollan

14.00 – 14.30 Parameters that are known to influence the PAH Emission Profile from Diesel Engines – Michael Leist

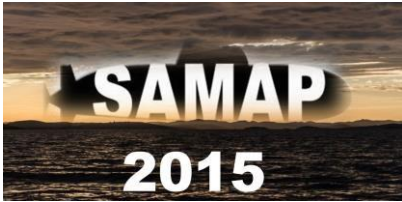
14.30 – 15.00 Importance of Structural Properties in Diesel Particulate Characterisation – William Gan

15.00 – 15.30 Tea Break

15.30-16.00 Diesel ventilation - Gareth Toft

16.00 – 16.30 Wrap up for the day

1800 – 2100 Indonesian Rice Table in the restaurant of the hotel



## Submarine Air Monitoring and Air Purification 2015



### Wednesday 7 October 2015

08.00-09.00 Coffee

09.00-09.15 Welcome by Host,

09.15- 0930 Opening by Wally Mazurek

Air Purification Session 1 Chair: Lucio Ricciardi/Jos Bogaert

09.30-10.00

10.00-10.30 Coffee break.

10.30 – 11.00 Integrated Atmosphere Management – Peter

11.00 – 11.30 Row Air purification on Walrus Class - Jos Bogaert

11.30 – 12.00 CO2 Trials on Walrus Class Submarine – Toon Marien

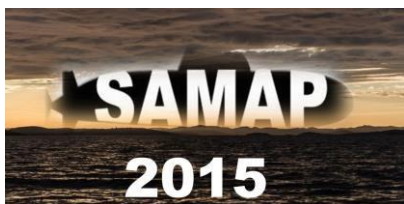
12.00 - 13.00 Lunch

13.00 - 13.15 Bus to Naval Museum

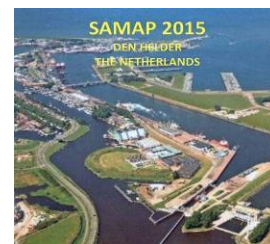
13.30 – 17 00 Excursion



No Evening Program



## Submarine Air Monitoring and Air Purification 2015



### Thursday 8 October 2015

08.00-09.00 Coffee

09.00-09.15 Welcome by Host

09.15- 09.30 Opening - Wally Mazurek

### Air Purification Session 2 Chair: Tom Daley/Chris Clark

09.30-10.00 Non-Powered Oxygen Generators - A Goodall / M Leadbeater

10.00-10.30 Coffee break.

10.30 – 11.00 Naval Submarine Code on Air Purification – C Clark

11.00 – 11.30 CO<sub>2</sub> MPCs for RAN - William Gan

11.30 – 12.00 Monitoring for contaminants - Canada

12.00 - 13.00 Lunch

13.00 - 13.30 Development of an Advanced Carbon Dioxide Removal Unit - Ben Bishop

13.30 – 14 00 CFD Modelling on Walrus CO<sub>2</sub> scrubber – Lela Baku / Barend van der Giesen

14.00 – 14.30 CO<sub>2</sub> Adsorbent for High Pressure Applications – Tom Daley

15.00 – 15.30 Tea Break

15.30 – 16.00 Paper being verified

16.00 – 16.30 Closing Page

18.00 - 23.00 Bowling and indoor BBQ at the hotel with music from Billy Rock and the Gamblers

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