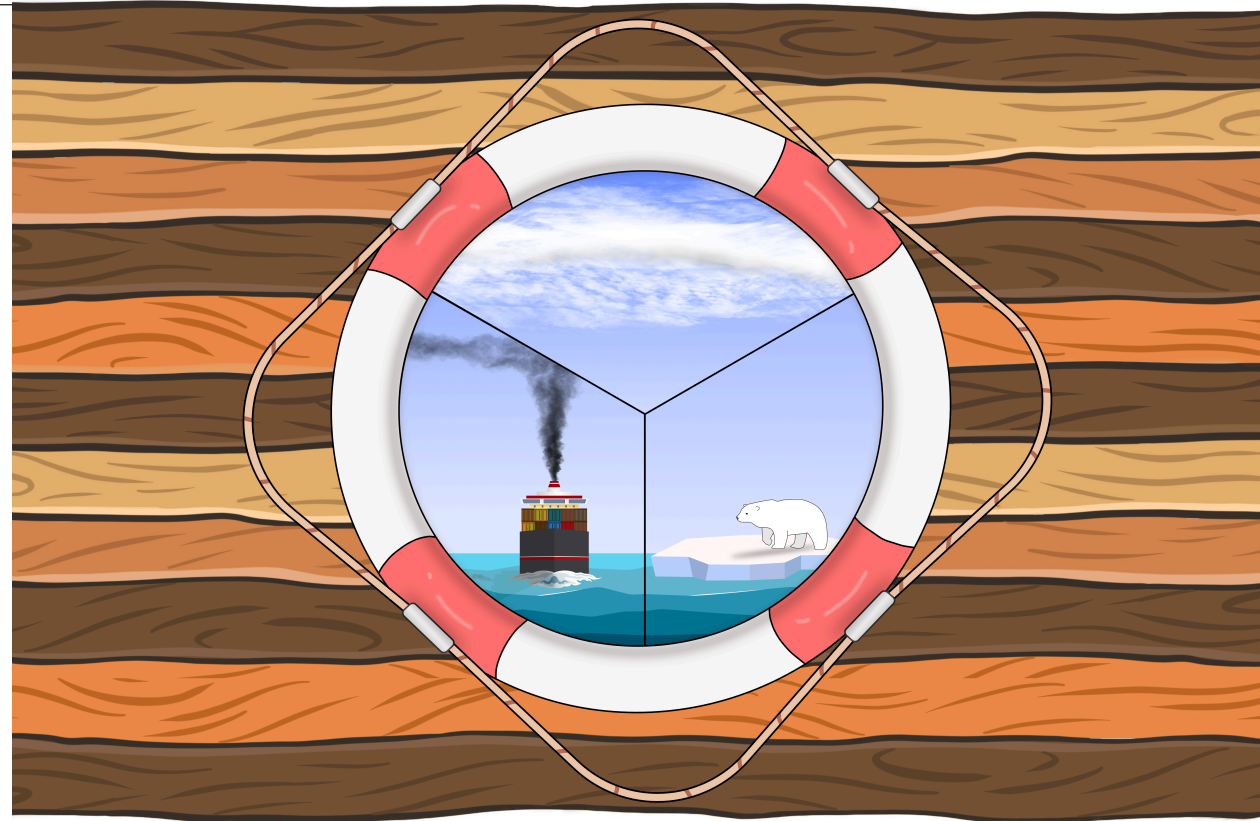


PH.D. THESIS



How ship exhaust particles change cloud activity

Implications for Arctic mixed-phase clouds

Luis Filipe Escusa dos Santos

**DEPARTMENT OF CHEMISTRY
AND MOLECULAR BIOLOGY**



Ph.D. thesis

How ship exhaust particles change cloud activity

| Luis Filipe Escusa dos Santos 2024



ISBN 978-91-8069-579-4 (PRINT)
ISBN 978-91-8069-580-0 (PDF)