



INSTITUT
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UPDATE FOR FRANCE

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Overview of existing infrastructures

THE FRENCH-GERMAN RESEARCH STATION IN SPITSBERGEN

AWIPEV^{N.61}

Arctic Research Base Ny-Ålesund



**Rabot station at Ny-Ålesund
2018**



**French station CORBEL close to Ny-Ålesund
2019**

Mobile infrastructure : research aircrafts

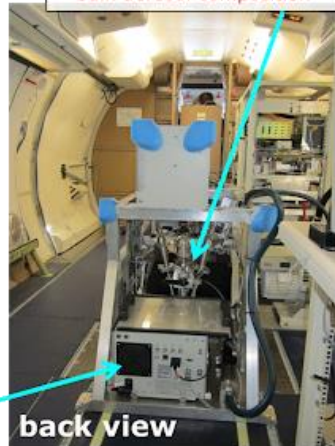


3- λ nephelometer
integrated scattering and backscattering
coefficients @ 450,550,700 nm



7- λ aethalometer
absorption coefficient
@ 370,470,520,590,660,
880,950 nm

2 lines filter sampling
1 cascade impactor
bulk aerosol composition



CPC (Condensation Particle Counter)
particle number concentration
4 nm-3.0 μ m diameter



Project under discussion

- Exchange of services between Amundsen Science (Canada) and the French Oceanographic Fleet deployed in the Atlantic ocean



Consequences of Covid-19 in 2020

- Very strong in the South (Antarctica, subantarctic islands) :
 - 40% less expeditioners compared with business as usual
 - Dedicated charter flight for our expeditioners in a single GO, from Paris straight to Hobart, followed by nearly one month of quarantine
- In Svalbard : we sent 20 expeditioners whereas the usual number is close to 30