

Reducing ship speed Lowering the speed by a few knots

min

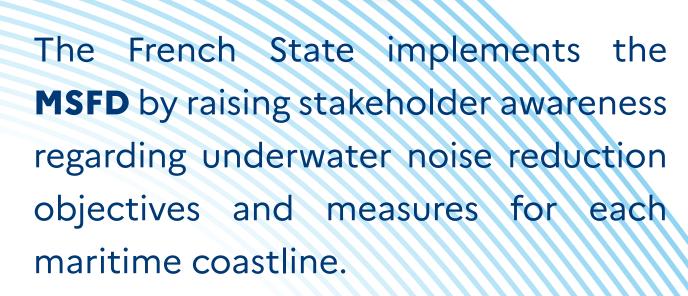
max



both Canada active very domestically and at the international level in efforts to reduce the noise of maritime traffic. Canada spearheads the subject within the International Maritime Organization (IMO).



The European Union tackled the subject of underwater noise in its 2008 **Marine Strategy Framework Directive** (MSFD) and endorses, with the support of France, Canada's initiative at IMO.



& maintenance

Optimising

the shape of hulls

to limit flow

turbulence



A HOT TOPIC FOR THE FRENCH **MARITIME SECTOR**

• The Blue Charter of Armateurs de France requires its signatories to contribute to noise reduction.

to avoid cavitation

• French shipowners carry out acoustic signature measurements on their ships and invest in research and development concerning the reduction of propeller noise and the isolation of machinery.

Italready exists!

Port of Vancouver **EcoAction Programme**

Since 2017, this programme has provided incentive measures for cargo and cruise ships that are the most quiet; they are rewarded with discounted harbour dues on arrival at the Port of Vancouver.







