

## Commercial Presentation Theatre & Process Equipment Zone (Hall 1)

Day: 23<sup>rd</sup> May  
Time: 15,30 - 15,50

**SGS**

Speaker: Vladimiro Bonamin



### Energy transition in shipping and correlated emissions challenges

The energy transition will have important effects on the choice of fuels and energy and propulsion technologies for the marine sector which will result in variations in the composition of the gaseous emissions that will be generated. In this presentation the economic aspects are not considered, but only the uncertainties that will arise in the generation of gaseous emissions. It should be remembered that the nitrogen oxide emissions for which the engine is certified will have to be re-certified even just for the transition from traditional fossil fuels to biofuels. Or in the case of the use of LNG, even if of biological origin, the Methane Slip (unburnt methane emitted) must be considered given that the Global Warming Potential (GWP100years) of methane compared to carbon dioxide is equal to 24.