

# ***Interactive comment on “The FuGas 2.1 framework for atmosphere-ocean coupling in geoscientific models: improving estimates of the solubilities and fluxes of greenhouse gases and aerosols” by Vasco M. N. C. S. Vieira et al.***

**Vasco M. N. C. S. Vieira et al.**

vasco.vieira@tecnico.ulisboa.pt

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Several upgrades were made to the FuGas 2.2, namely:

1. Were added the kw algorithms by Ho et al. (2006) and Wanninkhof et al. (2009).
2. Were added the COARE equations for the atmospheric stability, although not yet iterated for convergence.
3. The data management was improved to decrease significantly the Ram memory consumption.

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4. The estimation of  $u_{10}$  from the wind log-linear profile was automated.
5. We added some comments to the code with warnings and instructions.

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Interactive comment on Geosci. Model Dev. Discuss., doi:10.5194/gmd-2016-273, 2016.

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