

The authors have now successfully addressed my comments. I recommend the manuscript for publication. After reading I have found some typing errors, which I provide below for improving manuscript presentation:

Line 59: Myrberg et al. (2010) instead of (Myrberg et al. 2010)

L. 61: Tuomi et al. (2013) instead of (Tuomi et al. 2013)

L. 62: underestimates

L. 90: contribution **of** lateral

L. 123: 2015).

L. 158, 160, 161: remove all quotation marks (" , ")

L. 241: illustrates

L. 247: "fresher" instead of "more fresh"

L. 268: "a dramatic increase" better than "dramatic increasing"

L. 399. it **is** presented

L. 424-425: better "that the values of some parameters might have been somewhat improperly chosen"

L. 431: substantial

L. 432: better "simulations resolving submesoscale"

L. 434: currents instead of currencies

l. 443 L. 444: reproduces