

Interactive comment on “TRANSFER OF RADIOCAESIUM FROM CONTAMINATED BOTTOM SEDIMENTS TO MARINE ORGANISMS THROUGH BENTHIC FOOD CHAIN IN POST-FUKUSHIMA AND POST-CHERNOBYL PERIODS” by Roman Bezhenar et al.

Anonymous Referee #2

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The paper is substantially corrected which makes reader more being easier to understand the result of the paper. Following points are recommended to reconsider or revise before publishing. 1) Citation of Matsumoto et al., 2015 should not be cited. The methodology in this paper (gross counts of Cs-137 energy band in whole body fish minus background counts without fish) contains bottom-up effect on net count by neglecting Compton effect from K-40 in fish flesh, which makes the turnover rate being overestimated. 2) Rational for radiocesium turnover in bone etc. other than flesh

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should be shown by citation or theoretical assumption. It will help following further research by similar approach.

Please also note the supplement to this comment:

<http://www.biogeosciences-discuss.net/bg-2015-654/bg-2015-654-RC2-supplement.pdf>

Interactive comment on Biogeosciences Discuss., doi:10.5194/bg-2015-654, 2016.

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