Interactive comment on “Modeling of ships as a source of underwater noise” by Jukka-Pekka Jalkanen et al.

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I agree that Gigajoules are not the most intuitive units for presenting the energy of the noise sources, but a conversion to source levels re 1 $\mu$Pa @ 100 m distance is still hard to make sense of, since the energy is cumulated over 1 year and either integrated over the 0.32 km² cell (for the map of Figure 3) or cumulated for all the ships of a certain type (Figure 5).

For a single ship (of a certain category) perhaps if would be interesting to know some sort of average source levels (e.g. SL @1m per average containership, averaged over the full year, or only over the active period); in terms of a map, the average noise levels in the field would certainly be interesting, but obviously these are not straightforward
to calculate (the propagation from each cell out to, say, 100 km would need to be computed, etc.)