**“Sea current Pmy ITA mapping v.1.0”: documentation file**

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“The minor tool “Sea current Pmy ITA mapping v.1.0” is realised by RSE SpA thanks to the funding “Fondo di Ricerca per il Sistema Elettrico” within the frame of a Program Agreement between RSE SpA and the Italian Ministry of Economic Development (Ministero dello Sviluppo Economico).”

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## Description and references

“Sea current Pmy ITA mapping v.1.0” (RSE SpA) is a minor tool, which reads the output files on marine current yearly average power from “Sea current Py mapping (RSE SpA)” (which in turn post-processes ".nc" files from the free dataset of MetOcean-INGV, www.myocean.eu) and provides:

1. the multiple year average of the specific power flow;
2. the 2D multiple year average of the specific power flow (highest values over the depth);
3. same as 2), for the coastal regions;
4. same as 3), for Italian coasts.

The output is written in binary ".dat", ".vtk" and ".txt" file formats.

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