

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

## **1. Warranties and responsibilities**

“Sea current Pmy ITA mapping v.1.0” (RSE SpA) is a minor tool, which is released “as is” with no warranty. NEITHER RSE SPA, NOR ANY OF ITS REPRESENTATIVES (OR ANY AUTHOR) MAKE ANY WARRANTY, EXPRESS OR IMPLIED, OR ASSUMES ANY LEGAL LIABILITY OR RESPONSIBILITY FOR THE ACCURACY, COMPLETENESS, EFFECTIVENESS, INTEGRITY, AVAILABILITY, OR USEFULNESS OF THE SOFTWARE, ANY INFORMATION PERTAINING TO THE SOFTWARE, OR REPRESENTS THAT ITS USE WOULD NOT INFRINGE PRIVATELY OWNED RIGHTS. No support service (for the software installation, use, ...) is implied by or included in the software license. ”

## **2. Citation of “Sea current Pmy ITA mapping v.1.0”**

All the published and unpublished items/products/documents of every kind, somehow related to “Sea current Pmy ITA mapping v.1.0”, need the following citation: “Sea current Pmy ITA mapping v.1.0 (RSE SpA)”.

It is also mandatory to cite the use of “Sea current Pmy ITA mapping v.1.0 (RSE SpA)” in all the related publications, reports and dissemination tools and media, by means of the following citation:

“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).”

## **3. Acknowledgments**

The minor tool “Sea current Pmy ITA mapping v.1.0” has been financed by the Research Fund for the Italian Electrical System (for “Ricerca di Sistema -RdS-”) under the Contract Agreement between ERSE and the Ministry of Economic Development-General Directorate for Energy and Mining Resources (for the of RdS period 2009-2011) stipulated on 29 July 2009 in compliance with the Decree of 19 March 2009.

## **4. 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](http://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.

With Copyright 2016 (RSE SpA), “Sea current Pmy ITA mapping v.1.0” was written by Andrea Amicarelli (email [andrea.amicarelli@rse-web.it](mailto:andrea.amicarelli@rse-web.it)) in 2011.

“Sea current Pmy ITA mapping v.1.0” is free software released under the GNU General Public License (Free Software Foundation).