

INTERNATIONAL BATHYMETRIC CHART OF THE SOUTHERN OCEAN (IBCSO)

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| a project under the auspices of the International Hydrographic Organization (IHO) and the Intergovern- |  |
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| About hemap |  |
| The IBCSO v2 map is based on the IBCSO v2 digital bathymetric model (DBM). This DBM covers the area south of $50^{\circ} \mathrm{S}$. The grid spacing is $500 \mathrm{~m} \times 500 \mathrm{~m}$ in IBCSO Polar Stereographic Projection (EPSG: 9354)with the latitude of true scale at $65^{\circ} \mathrm{S}$. It covers an area of more than 77 Million $\mathrm{km}^{2}$ of seafloor. The DBM |  |
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| sented in this map) and one with bedrock elevation, including sub-ice topography. Furthermore, a Type |  |
| sented in this map) and one with bedrock elevation, including sub-ice topography. Furthermore, a TypeIdentifier (TID) grid is available that indicates the type of data that composes each grid cell. In addition,a unique Regional Identifier (RID) grid links each data cell to the corresponding metadata information |  |
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| a unique Regional Identifier (RID) grid links each data cell to the corresponding metadata informationand thus the DBM's cell value origin. For a detailed description and dataset download please see DOI: https://doi.org/10.1594/PANGAEA. 937574 |  |
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| IBCSO v2 comprises a variety of datasets ranging from digitised contours and lead line soundings |  |


| information. SRTM15+ v2.2 was used as predicted bathymetry for seafloor areas without direct sions, and artificial steering lines. Ice surface and sub-ice sheet topography is from BedMachine. |  |  |
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| ing pipeline developed to cope with this workload is called SEAHmain SEAHORSE workflow is available at:https://github.com/SeaBed2030/IBCSO v2 Dorschel et al 2022 |  |  |
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| Research Council, UK Research \& Innovation. https://doi.org/10.5285/c 1d8350 $\qquad$ |  |  |
|  Morlighem M., Rignot E.,T. Binder et al. (2019): Deep glacial troughs and stabilizing ridges unveiled beneath the marginsAntarctic ice sheet. Nature Geoscience, 13, 132-137 (2020). https://doi.org/10.1038/541561-019-0510-8Secretariat SCAR (1992, updated 2020): Composite Gazetteer of Antarctica, Scientific Committee on Antarctic Research. |  |  |
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