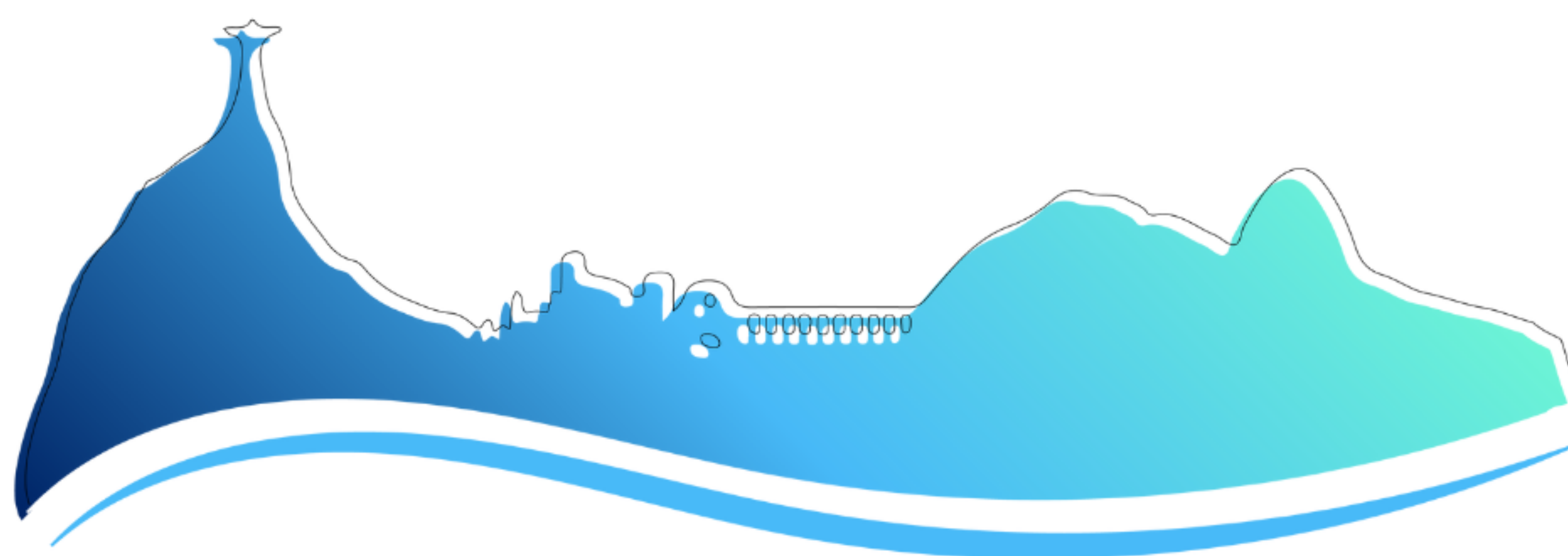


TECHNICAL PROGRAM

AT A GLANCE



18th International Congress of the **Brazilian Geophysical Society & Expogef**

RIO DE JANEIRO, 16–19 OCTOBER 2023



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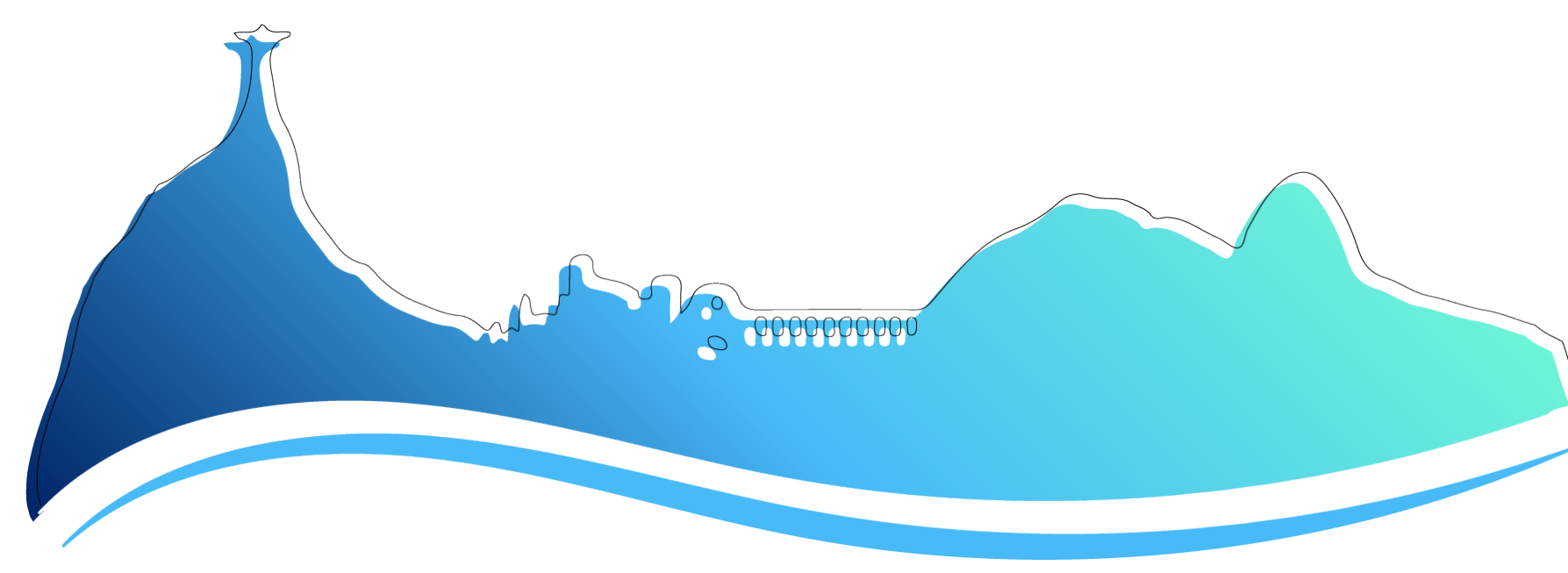
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**18th International Congress
of the Brazilian Geophysical
Society & Expogef**

RIO DE JANEIRO 16-19 OCTOBER 2023

Opening Ceremony

16th October 2023, 5 to 7 PM (Main Conference Room)

AWARDS

- Best PhD Thesis (2021-2023);
- Best MSc Dissertation (2021-2023);
- Alcides Barbosa, for a professional with relevant contributions to the SBGf.
- Décio Oddone, for a professional with relevant contributions in the O&G sector.
- Nero Passos, for a professional with relevant contributions in the Academic area.
- Irnack do Amaral, for a professional with relevant contributions in the Mineral sector.
- Carlos Alberto Dias, for professionals who have excelled in the development of Applied Geophysics.



RIO DE JANEIRO 16-19
OCTOBER 2023



18th International Congress
of the **Brazilian Geophysical
Society & Expogef**

Pre-convention Short Courses

15 and 16 October 2023

15th October

9am to 5pm

Imaging with Least-Squares Reverse Time Migration (LSRTM) and with Full Waveform Inversion (FWI)

Carlos Calderón-Macías (TGS)

Introduction to Physics-Informed Machine Learning with Modulus

Dr. Pedro Mario Cruz e Silva (Nvidia)

Potential Methods applied to sedimentary basins

Roberta Vidotti (UnB)

16th October

8:30am to
4:30pm

Generate predictive geological maps with artificial intelligence.

Marcos Vinicius Ferreira (SGB)

Classical and Modern Algorithms for Denoising and Reconstruction of Seismic Data

Mauricio D. Sachi (University of Alberta)

Direct and Inverse Problems in Geophysics – Basic Concepts and Applications

Giuliano Marotta (UnB)

Critical Zone Science, Geoethics and Sustainability

Andrea Ustra (USP) & Rosely Imbernon (USP)

Seismic Reservoir Characterization: Principles and Workflows

Ekaterina Kneller (CGG) & Ulisses Correia (CGG)

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RIO DE JANEIRO 16-19
OCTOBER 2023

18th International Congress
of the **Brazilian Geophysical
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17th October

| | V Brazilian Seismology Symposium | Workshops | Roundtables | Technical Session | Poster Session |
|--------------------|--|---|---|---|------------------------|
| 8:30am to 9:30am | Keynote: Expansion of the Brazilian Seismographic Network to offshore Sergio Fontes (National Observatory - ON) | Workshop: High Performance Computing Applied to Geophysics: Techniques and Applications Chairpersons: Pedro Mário Cruz e Silva (Nvidia) and André Bulcão (Petrobras) | How can diversity propel innovation in Geophysics? | Technical presentations, up to 7 simultaneous rooms | 50 simultaneous panels |
| | | | | | |
| 9:30am to 11:15am | | | | | |
| 11:30am to 12:30pm | Keynote: Energy Transition – André Romanelli Rosa | | | | |
| 12:30pm to 2pm | Lunch break | | | | |
| 2pm to 4:45pm | Symposium Program | Workshop: Machine Learning Applied to Geophysics: Methods and Applications Chairpersons: Pedro Mário Cruz e Silva (Nvidia) and Pablo Machado Barros (Petrobras) | Technical Drives to Explore the Brazilian Equatorial Margin | Technical presentations, up to 7 simultaneous rooms | 50 simultaneous panels |

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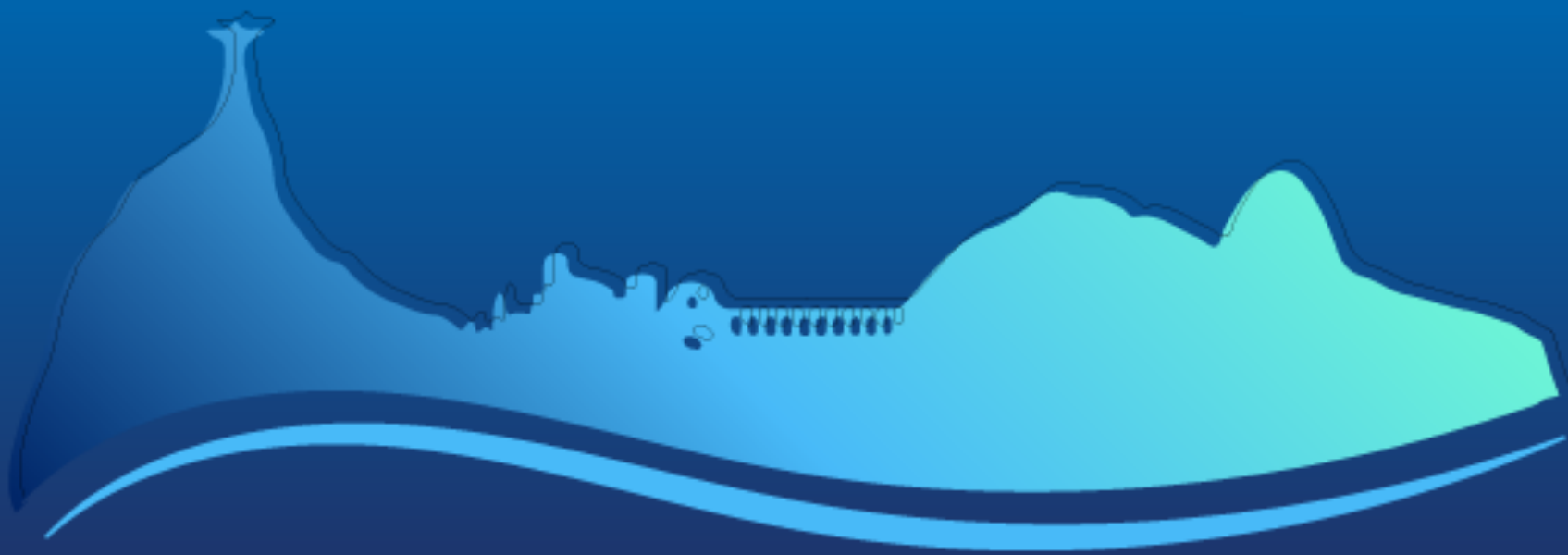
18th October

| | V Brazilian Seismology Symposium | Workshops | Roundtables | Technical Session | Poster Session |
|--------------------|--|---|--|---|------------------------|
| 8:30am to 11:15am | Symposium Program | Workshop: INCT on Tectonic Studies Chairpersons: Reinhardt Fuck (UnB) & Roberta Vidotti (UnB) | Ground Gravity Database (BNDG): carried out activities, future perspectives and the new Bouguer Map of Brazil | Technical presentations, up to 7 simultaneous rooms | 50 simultaneous panels |
| 11:30am to 12:30pm | Keynote: Twenty years of CSEM Exploration in the Brazilian Continental Margin Paulo T.L. Menezes (Petrobras) | | | | |
| 12:30pm to 2pm | Lunch break | | | | |
| 2pm to 4:45pm | Discussing fiber-DAS opportunities in Brazil Mediator: Marcelo Belentani de Bianchi (USP) Participants: Eduardo Cezar Grizendi (RNP/MCTI) George Sand França (UnB) | Workshop: Full Azimuth Seismic: Where we are and the way ahead Chairpersons: Anderson Cavalcante (CGG) & Carlos Eduardo Borges de Salles Abreu (Petrobras) – BrJG – Brazilian Journal o Geophysics Chairpersons: George Sand (UnB), Alanna Dutra (UFBA), Cícero Régis (UFPA) & Giuliano Marotta (UnB) | | Technical presentations, up to 7 simultaneous rooms | 50 simultaneous panels |

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RIO DE JANEIRO 16-19
OCTOBER 2023



18th International Congress
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19th October

| | Workshops | Roundtables | Technical Session | Poster Session |
|--------------------|--|--|---|------------------------|
| 8:30am to 11:15am | <p>Workshop: Best MSc and PhD thesis awards – Chairperson: Andrea Teixeira Ustra (USP)</p> <p>Workshop: INCT on Petroleum Geophysics – Chairpersons: Milton José Porsani (UFBA) & Wagner Lupinacci (UFF)</p> | The role of Geophysics in Energy Transition | Technical presentations, up to 7 simultaneous rooms | 50 simultaneous panels |
| 11:30am to 12:30pm | Keynote: Sustainable Development in the Brazilian Mineral Industry Maria José Grazzi Salum (SGB/CPRM) | | | |
| 12:30pm to 2pm | Lunch break | | | |
| 2pm to 4:45pm | <p>Workshop: INCT on Petroleum Geophysics – Chairpersons: Milton José Porsani (UFBA) & Wagner Lupinacci (UFF)</p> <p>Workshop: Mining Geophysics & Advanced Multiphysics – Chairperson: Alan de Souza Cunha (UFRJ – METTA)</p> | OSDU™ Data Platform – Energy data integration, governance and interoperability | Technical presentations, up to 7 simultaneous rooms | 50 simultaneous panels |

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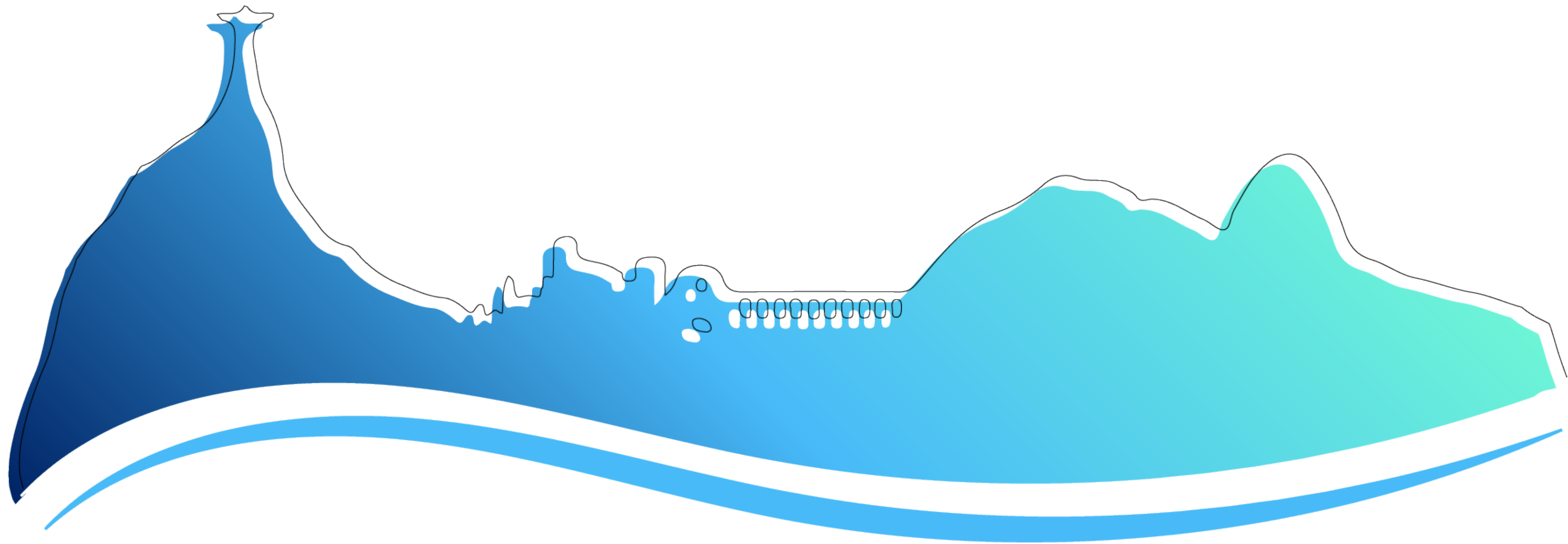


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