
EDITORIAL NOTE
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RA'E GA – THE GEOGRAPHIC SPACE IN ANALYSIS
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This special issue of the RA'E GA - The Geographic Space in Analysis journal brings together 15 works selected from those presented at the 8th GeoPantanal, held from November 11 to 13, 2024, in the locality of Porto Cercado (Hotel SESC Pantanal), municipality of Poconé, MT, Brazil. The event seeks to encourage the production and dissemination of scientific knowledge about the Pantanal region, providing an exchange between researchers and the updating of geotechnology tools to the academic community and the public.

The works were selected by a scientific committee composed of five PhD professionals representing the institutions UNESP, UFRJ, UFF, IBGE, and UFMT, belonging to the technical-scientific committee of the 8th GeoPantanal, and were again evaluated by a double-blind review process, attempting to meet the editorial standards of the Journal. It should be noted that the journal is currently classified with Qualis A1 by CAPES rank.

The event was organized by Embrapa Agricultural Informatics, the Brazilian National Institute for Space Research, the State University of Mato Grosso, the São Paulo State University, and the Federal University of Mato Grosso.

With this publication, the organizers of the event, with the support of the journal RA'E GA - The Geographic Space in Analysis, continue the dissemination of studies of the Pantanal and surrounding region, delimited by the Upper Paraguay Basin - BAP, contemplating the use of spatialized and georeferenced information in multi- and interdisciplinary studies.

We take this opportunity to express our thanks to all those who contribute to the journal RA'EGA - The Geographic Space under Analysis, especially to the Reviewers and the Support Program for Periodical Scientific Publications of UFPR, who carried out the review of scientific and linguistic merit, respectively, fundamental activities for the quality of this special issue.

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Topics covered in this volume:

- Spatial and temporal dynamics of land use and fire hotspots in the Municipality of Miranda-MS
- Wetland Classification Using Machine Learning Models in the Brazilian Pantanal
- Exploratory analysis of atmospheric modelling use over Pantanal wildfires
- Sand fraction estimation in the topsoil of the Pantanal Biome: a preliminary approach using emissivity data
- Analysis of population variation in the Pantanal biome between 2010 and 2022 and the improvement of the IBGE Territorial Base for the 2022 census
- Assessment of Planet imagery use for wetland mapping in the Upper Paraguay Basin
- Fire Hot Spot Characterization and Detection in the Pantanal using satellite images
- Drought events, spatial and temporal variability of rainfall in the Brazilian Pantanal
- Assessing the Dynamics of Woody Vegetation in the Abobral region, southern Pantanal wetland (Brazil): Contributions of Functional Indices Derived from Satellite Image Time Series
- Strategic Territorial Intelligence for Family Farming in the Cuiabá River Valley and Surroundings
- Integrated Application of TGI and NDMI to Identify Chemical Deforestation in the Pantanal, Brazil
- TerraClass Digital Platform for analysis of the dynamics of land use and land cover in the Upper Paraguay Basin
- Chaco biome in Brazil: land use, vegetation cover and socioeconomics
- Analysis of Public Tourism Policies in the Border Zone of Mato Grosso, Brazil
- Geospatial analysis of the relationship between urban structure, vegetation, population and surface temperature in the Cuiabá-Várzea Grande-MT conurbation