



# Macroseismic Intensity Data Online Publisher (MIDOP): Implementation for Brazilian earthquakes

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## Abstract

When working with macroseismic intensity data one of the main issues is the lack of a common platform that unifies contributing and searching for this kind of data. It is common that each researcher compiles individually his/her dataset, possibly in different formats, and not always available in digital format.

To overcome such issues, the Archive of Historical Earthquake Data (AHEAD) coordinated at Istituto Nazionale di Geofisica e Vulcanologia - Sezione di Milano in Italy developed the first dedicated solution to publish macroseismic intensity data on the internet. The AHEAD team created MIDOP, a coding-free approach that allows users to create a secure and lightweight web interface capable of transforming raw macroseismic data tables in interactable intensity maps. That interface allows for easy search, download and upload of macroseismic information, that is accessible to any user on the internet.

The Seismology Center of the University of São Paulo reached out to the team in Italy and to implement MIDOP for use with Brazilian macroseismic data. We already compiled data from several historical earthquakes (most of the main events from the book of Berrocal et al.(1984)) that we plan to make available at the launch of the platform. We hope that MIDOP will allow further collaboration between researchers through standard formats and easy access to macroseismic intensity data in Brazil.

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