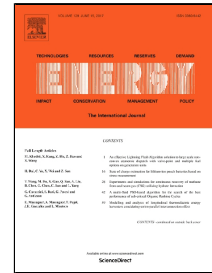


# Accepted Manuscript

Estimates of GHG Emissions by Hydroelectric Reservoirs: The Brazilian Case

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## Highlights

- A field campaigns were performed to estimate emissions from Brazilian hydro plants;
- Field measurements collected CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O fluxes and carbon burial rates;
- Pre-impoundment emissions were estimated based on land cover mapping and GHG fluxes;
- Annual net GHG emissions estimates were expressed as GHG intensity in gCO<sub>2</sub>eq.kWh<sup>-1</sup>;
- In general the studied hydro plants are GHG less emitters.

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