

# Seagrass mapping in two mudflats in the Auray River

## About a rapid evolution of seagrasses

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### Abstract

Maps of seagrass in two sites in the Auray River. These two sites were studied by Maxime Daviray during his PhD. Seagrass appeared very quickly during his PhD. This work aims to describe this rapid evolution of seagrasses.

*Keywords:* Remote Sensing, Sentinel-2, Seagrass

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The data and scripts used for this work can be found [here](#).

### 1. Materiel & Methods

#### 1.1. Seagrass mapping using Sentinel-2

To map the seagrass extent over time, the Sentinel-2 constellation has been used. Level-2 images, which are already orthorectified and atmospherically corrected using Sen2Cor, have been downloaded using the Copernicus Platform [1]. One low tide, cloud-free image per year, nearest to the period of maximum seagrass biomass at this latitude, has been used. The ICECREAM model (Davies et al., Accepted)

### References

- [1] Copernicus, [Copernicus open access hub](#), accessed: 2024-07-16 (2024).  
URL <https://browser.dataspace.copernicus.eu/>

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