



Figure S3. Satellite image (courtesy of Google Earth) of the CGR location. The two small bays with alga accumulation are reported together with CGR location (red triangle). Below a representative event with concurrent CH<sub>4</sub> and SO<sub>2</sub> enhancements under south-easterly wind (i.e. from the bay) is shown.

CH<sub>4</sub> values are indicated by red dots, SO<sub>2</sub> values by pink line and wind direction by blue dots. The green crosses report the CH<sub>4</sub> standard deviation calculated over 60 minutes. The dotted line indicates the 10 ppb threshold used to remove the events affected by biomass emissions.