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## Find a title.

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**Abstract:** *TODO*

**Keywords:** *CTD, Field work, TODO*

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# 1 Introduction

TODO

## 2 Materials and methods

### 2.1 Presentation of the field work and data acquisition

field work 10-11 of December 2018  
on board of 2 ships: Skagerrak and Trygve

### 2.2 Data processing

#### 2.2.1 Cleaning and calibration

Reprocessing data, potential temp, absolute sal

Gridding every meter 1-120 m depth

#### 2.2.2 Data assimilation / creating new metrics

Find some

Turner angle TODO compute

Geostrophy TODO compute

Profil fitting and layers

No sub-mesoscale heat fluxes because no mixed layer

## 3 Results

T-S diagram we recognize Skagerrak and Kategt water (*Björk and Nordberg, 2003*)

## 4 Discussion

TODO

## 5 Conclusion

TODO

## References

Björk, G., and K. Nordberg (2003), Upwelling along the swedish west coast during the 20th century, *Continental Shelf Research*, 23(11), 1143 – 1159, doi:[https://doi.org/10.1016/S0278-4343\(03\)00081-5](https://doi.org/10.1016/S0278-4343(03)00081-5).

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