

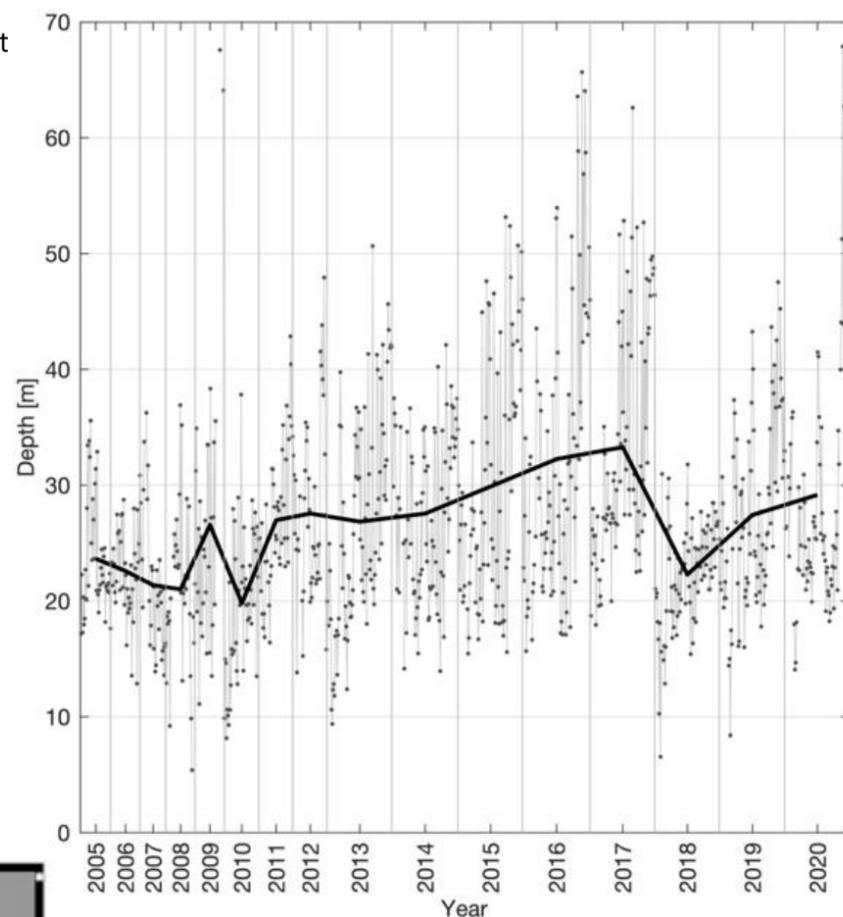
Adriatic mixed layer depth changes in September in the recent years

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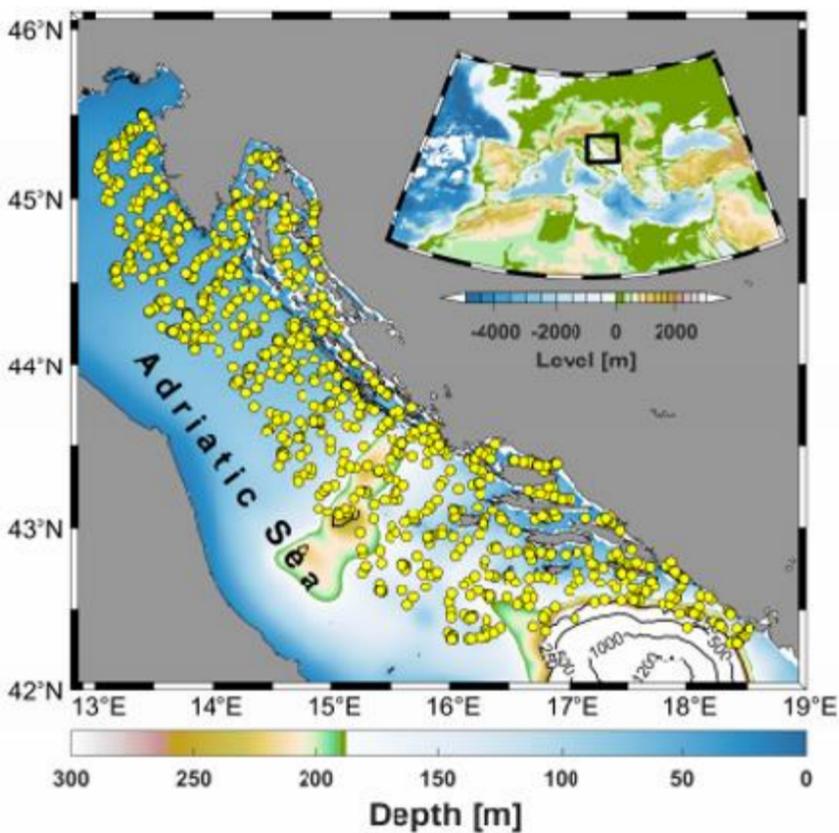
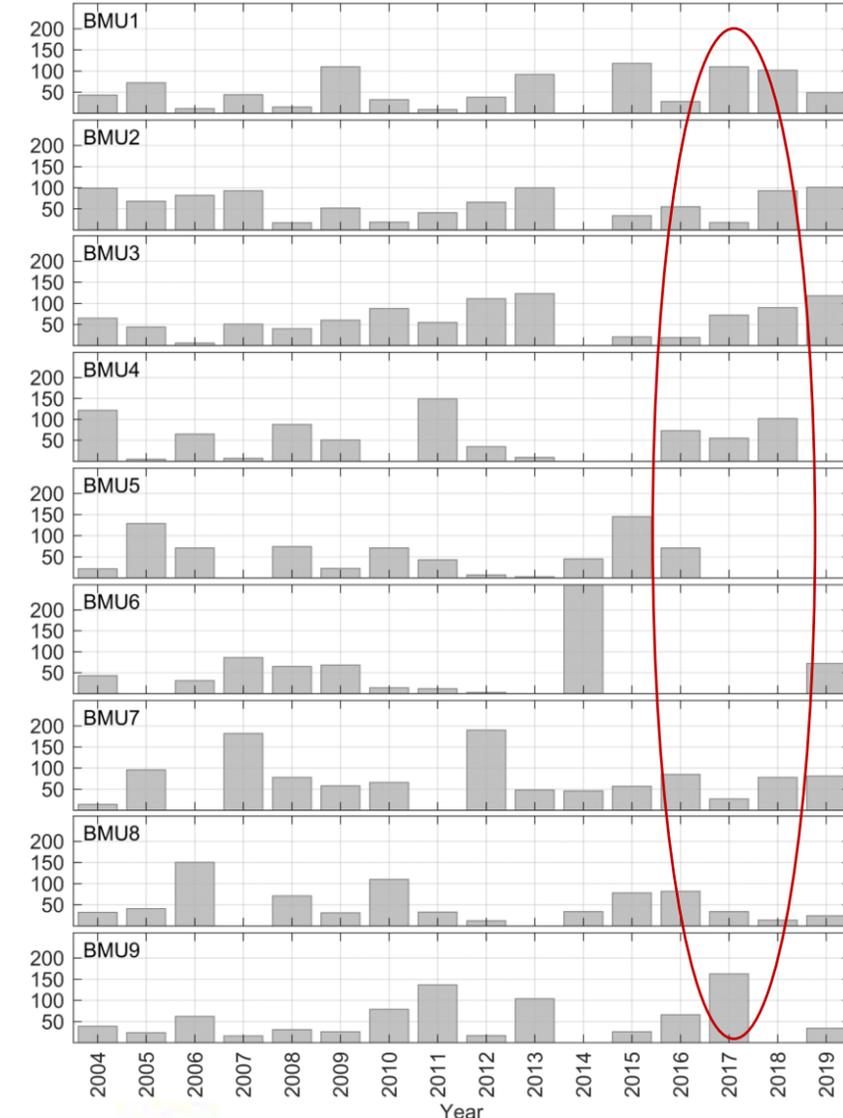
This work has been supported in part by Croatian Science Foundation under the project UIP-2019-04-1737 and project MAUD (grant number HRZZ-IP-2018-01-9849)



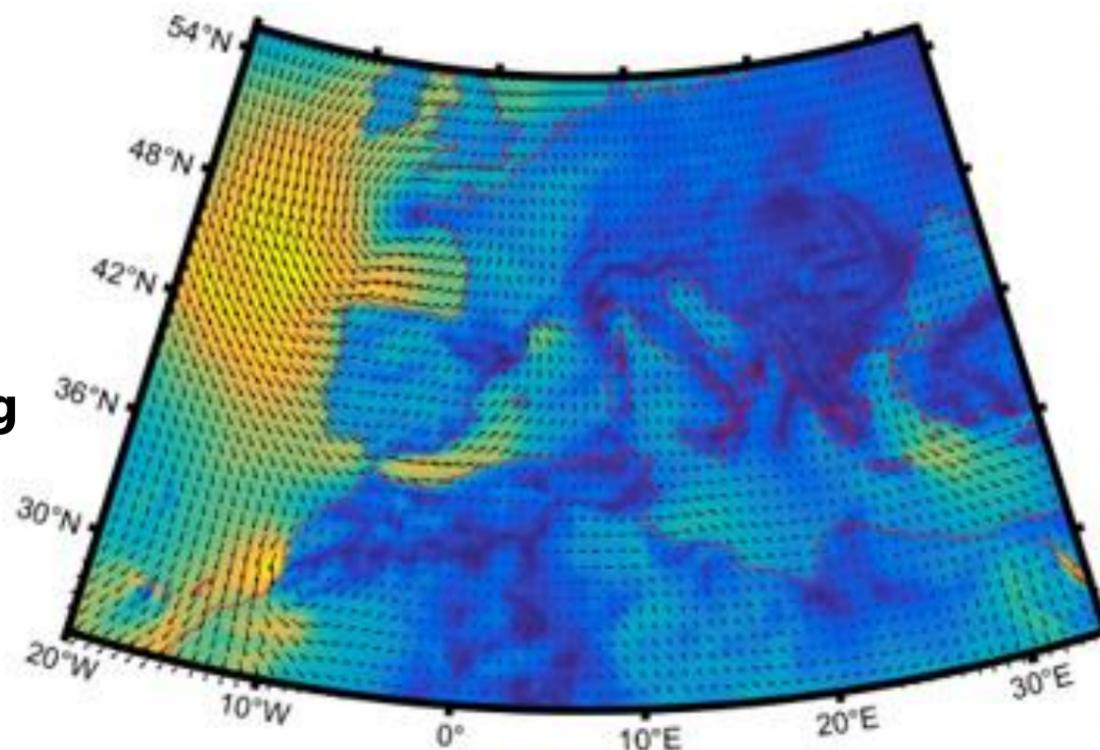
- **Adriatic Sea**
- **regular CTD measurements during 2005-2019**
- **various locations**



- **wind data - September of 1979-2019**
- **broader European region**
- **Growing Neural Gas**
- **9 Best Matching Units / wind time-patterns**
- **validation via averaged mean sea-level pressure**



- **Mixed layer depth – MLD**
- **averaged September values**
- **reversal of trend during 2017-2018**



- **indication of certain combination of active BMUs during 2017-2018 event**
- **further analysis: focus on narrower spatial range and wider temporal range**