









sponsored by the  
 Federal Ministry  
 of Education  
 and Research

### Focus on the Arctic.

### Exploring the hotspot of climate change.

Drift scenarios based on past years (T. Krumpen)

| Oct 2019 | Nov 2019 | Dec 2019 | Jan 2020 | Feb 2020 | Mar 2020 | Apr 2020 | May 2020 | Jun 2020 | Jul 2020 | Aug 2020 | Sep 2020 | Oct 2020 |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ▲        | ■        | ■        | ■        | ■        | ■        | ■        | ■        | ■        | ■        | ■        | ■        | ■        |

Warming 2009–2018 vs 1951–1980 in °C (NASA/GISS)

| -0.5 | 0 | +0.5 | +1 | +1.5 | +2 | +2.5 | +3 | +3.5 |
|------|---|------|----|------|----|------|----|------|
| ■    | ■ | ■    | ■  | ■    | ■  | ■    | ■  | ■    |

Sea-ice concentration (white-transparent) 18/9/2019 (OSISAF/AMSR2)

helge.goesling@awi.de