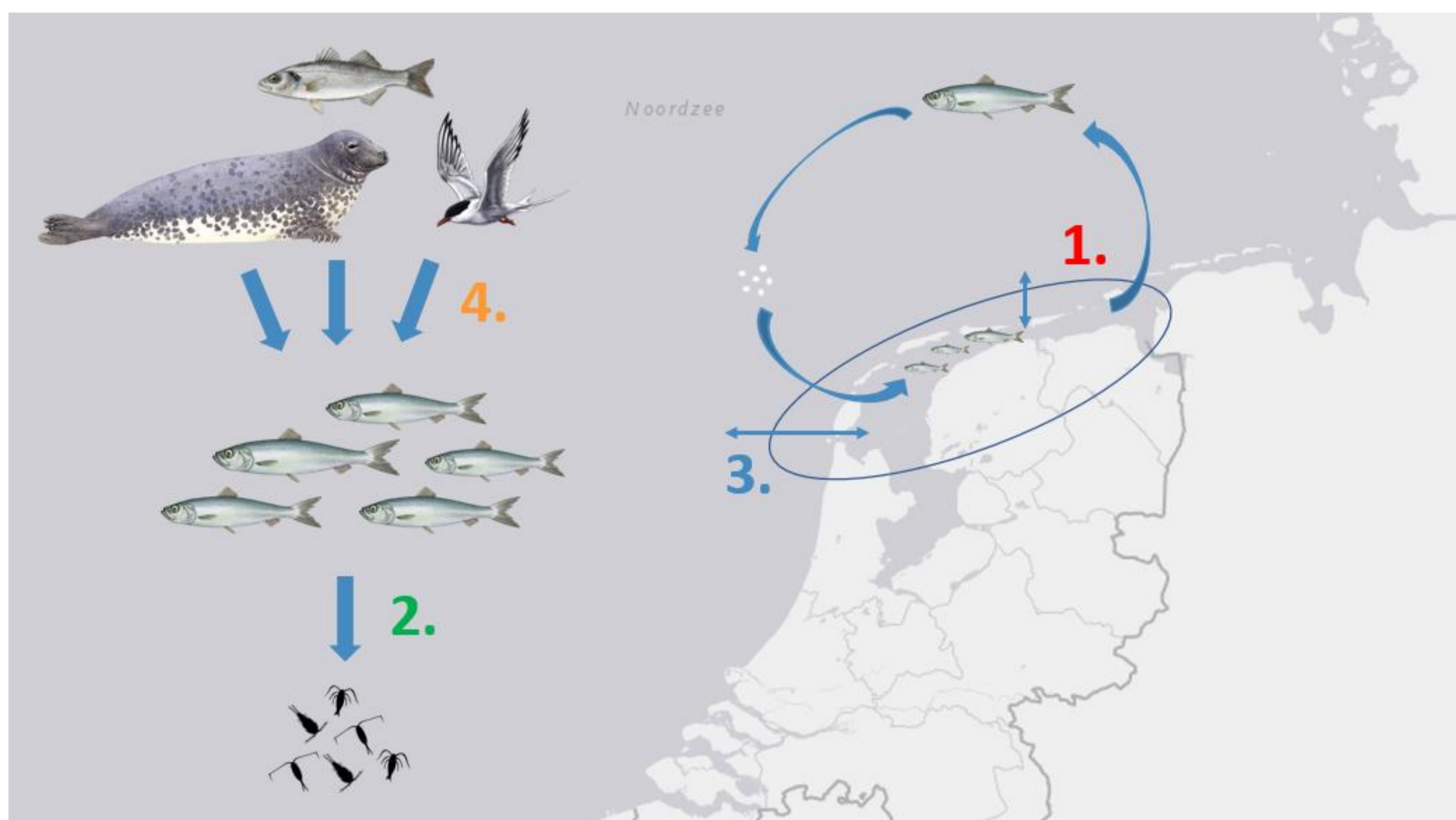


# Small pelagic fish in the Wadden Sea

## PhD research overview

Margot Maathuis<sup>1,2</sup>; Bram Couperus<sup>1</sup>; Anieke van Leeuwen<sup>3</sup>; Jan Jaap Poos<sup>2</sup>; Serdar Sakinan<sup>1</sup> & Ingrid Tulp<sup>1</sup>  
<sup>1</sup> Wageningen Marine Research <sup>2</sup> Wageningen University <sup>3</sup> Royal Netherlands Institute for Sea Research



### Background

- Small pelagic fish (SPF) are a major trophic link between zooplankton and higher trophic levels
- Large knowledge gaps on SPF:
  - Habitat use
  - Trophic interactions
  - Migration behaviour
- PhD project focuses on Dutch part of Wadden Sea

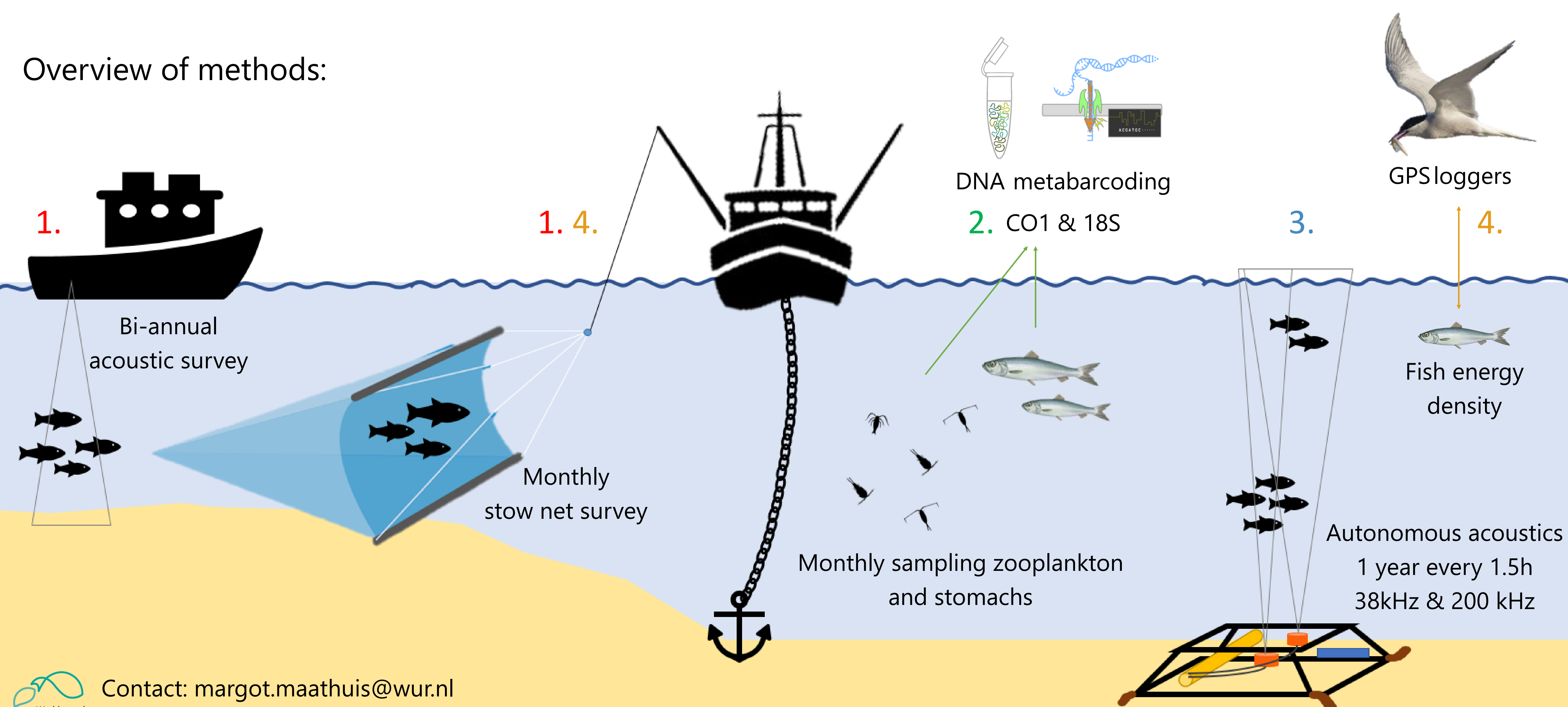
**1. Spatiotemporal distribution** of SPF and the **function** of the Wadden Sea within their lifecycle

**2. Feeding selectivity** and **variation in diet composition** of herring and sprat throughout the year

**3. Behaviour** of SPF in inlet Marsdiep in relation with **tidal flow, day-night rhythms** and **seasonality**

**4. Availability** of SPF in relation with common tern **foraging patterns** and **breeding success**

Overview of methods:



Contact: [margot.maathuis@wur.nl](mailto:margot.maathuis@wur.nl)