

BAZOOCA- Baltic ZOOplankton CAscades

Research fellows:

Josefin Titelman
Lene Friis Møller

Post docs:

Kajsa Tönnesson
Outi Setälä
1 to be appointed

PhD students

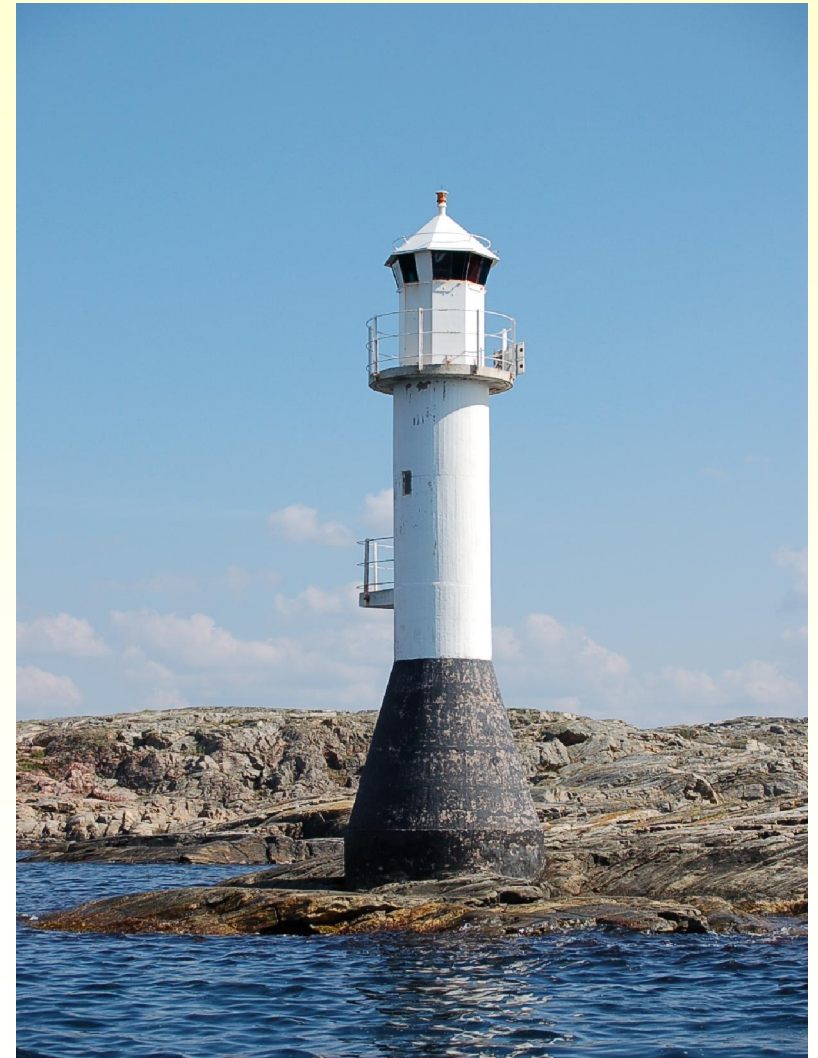
Julie Dinasquet
Cornelia Jaspers
1 to be appointed in Gothenburg

PIs:

Thomas Kiørboe, Technical University of Denmark
Lasse Riemann, Åke Hagström, University of Kalmar
Ulf Båmstedt, University of Umeå
Lars Johan Hansson, SMHI
Jorma Kuparinen, University of Helsinki
Dag Aksnes, University of Bergen

Coordinator:

Peter Tiselius, University of Gothenburg



Mnemiopsis leidyi

**Ctenophora
(comb jellies)**

Invaded 2006

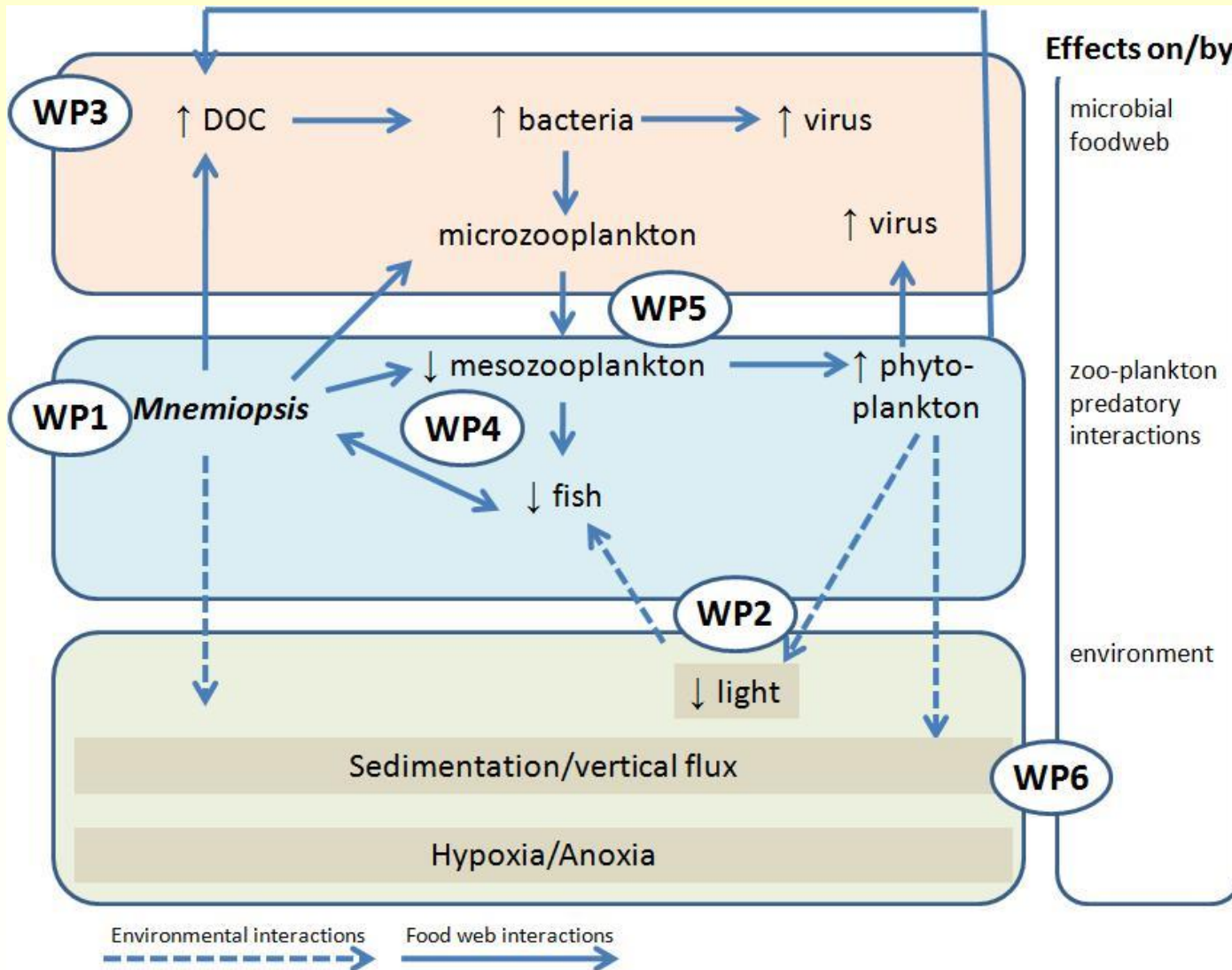
Up to 12 cm

**High reproduction,
< 5000 eggs day⁻¹**

**Eats zooplankton and fish
eggs**

QuickTime och en
TIFF (dekomprimerad) bildprogramvara
krävs för att kunna se bilden.

6 Work packages:

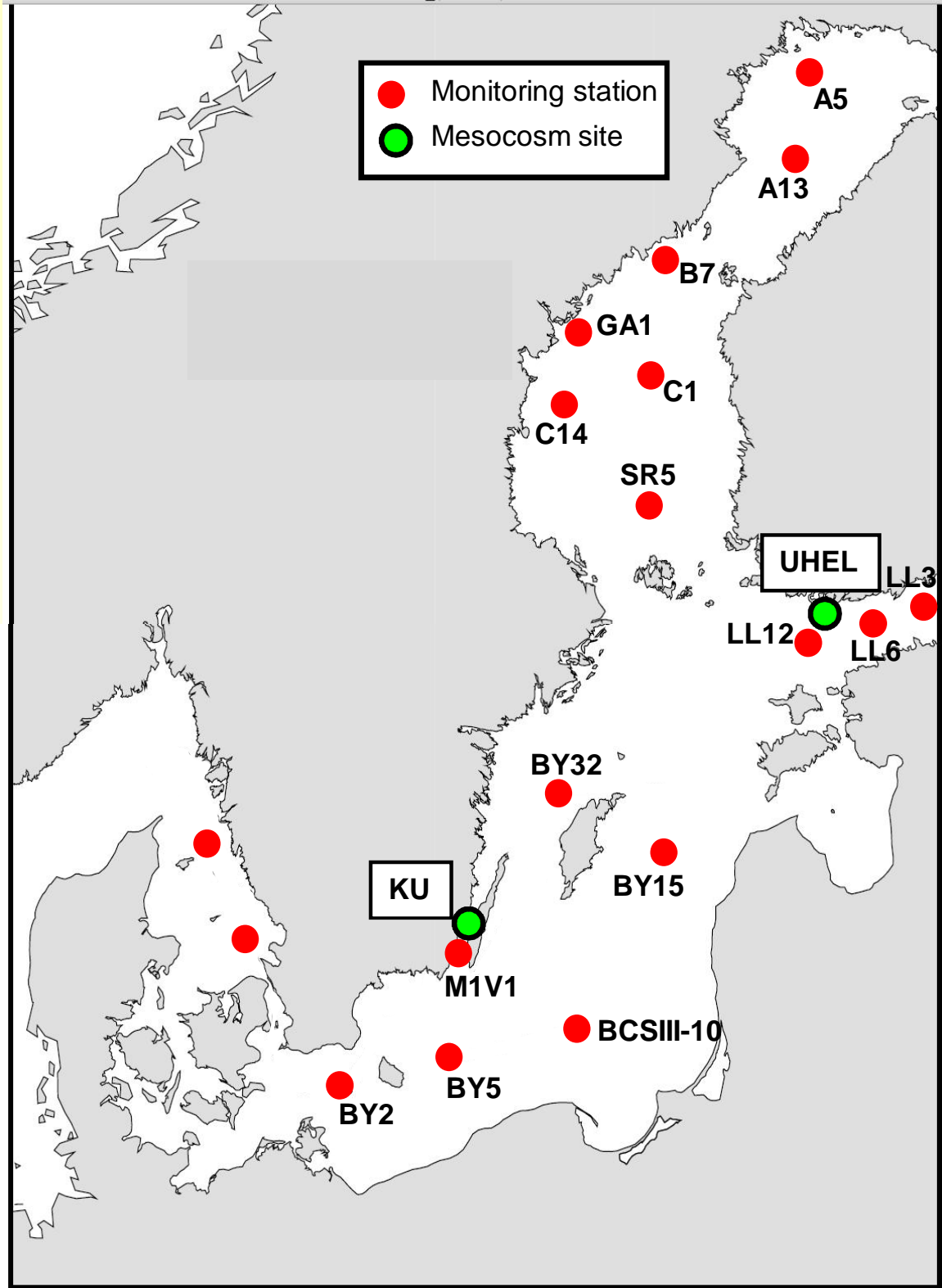


Monthly sampling from:

R/V *Argos* (Central and southern Baltic, Kattegat)

Coast guard vessel KBV005 (Gulf of Bothnia)

R/V *Aranda* (Gulf of Finland)



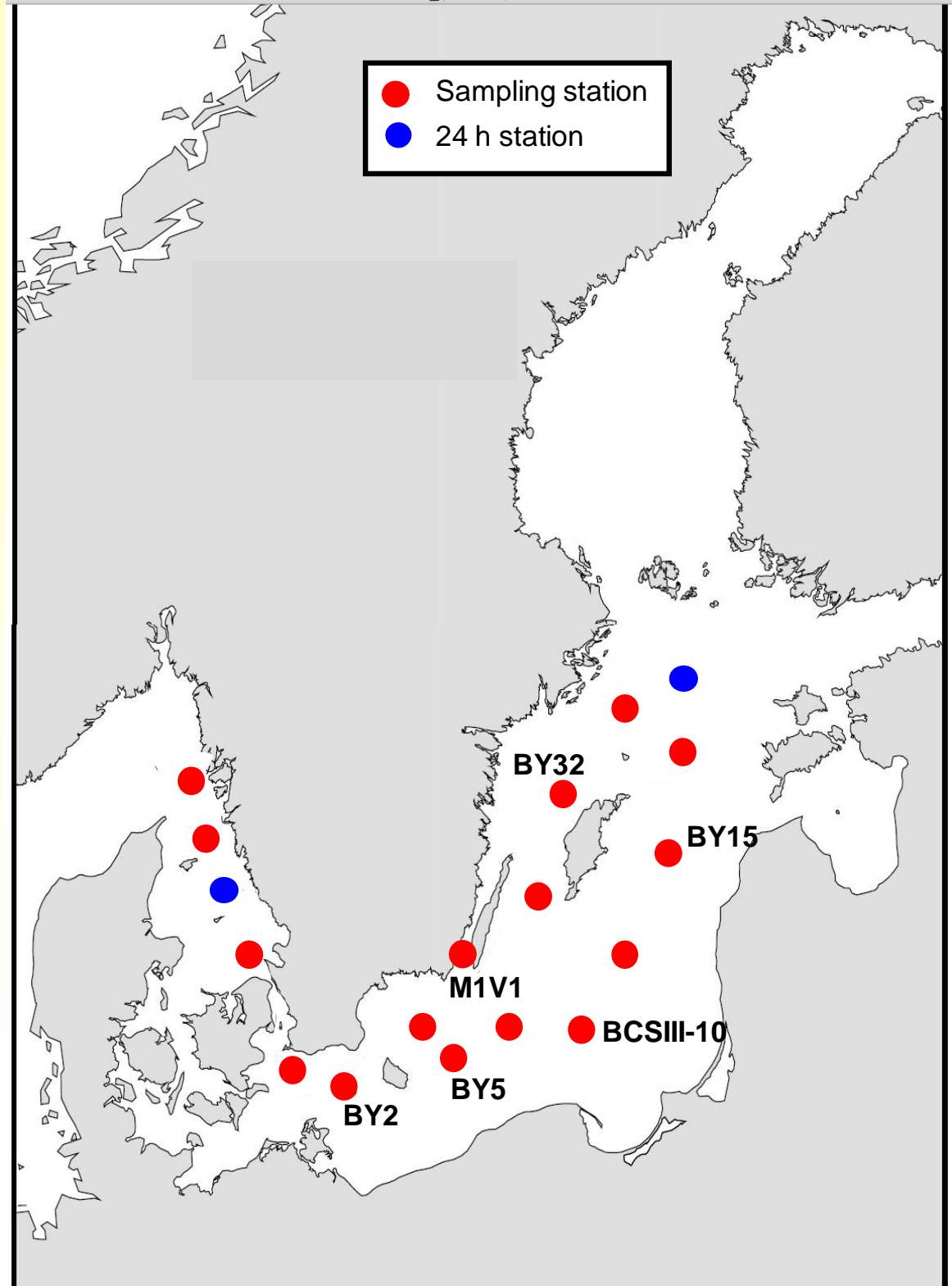
Intensive sampling from:

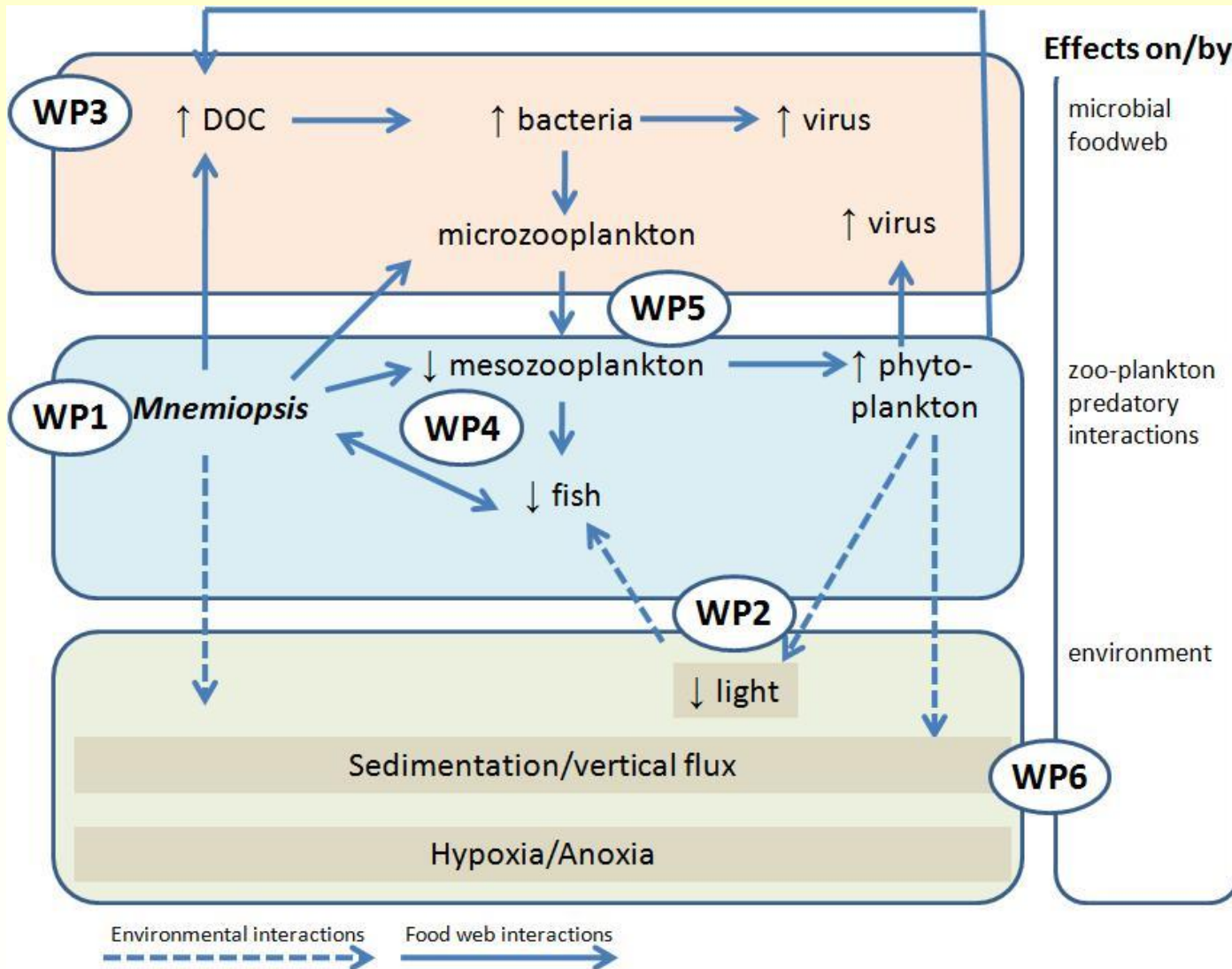
R/V Skagerak

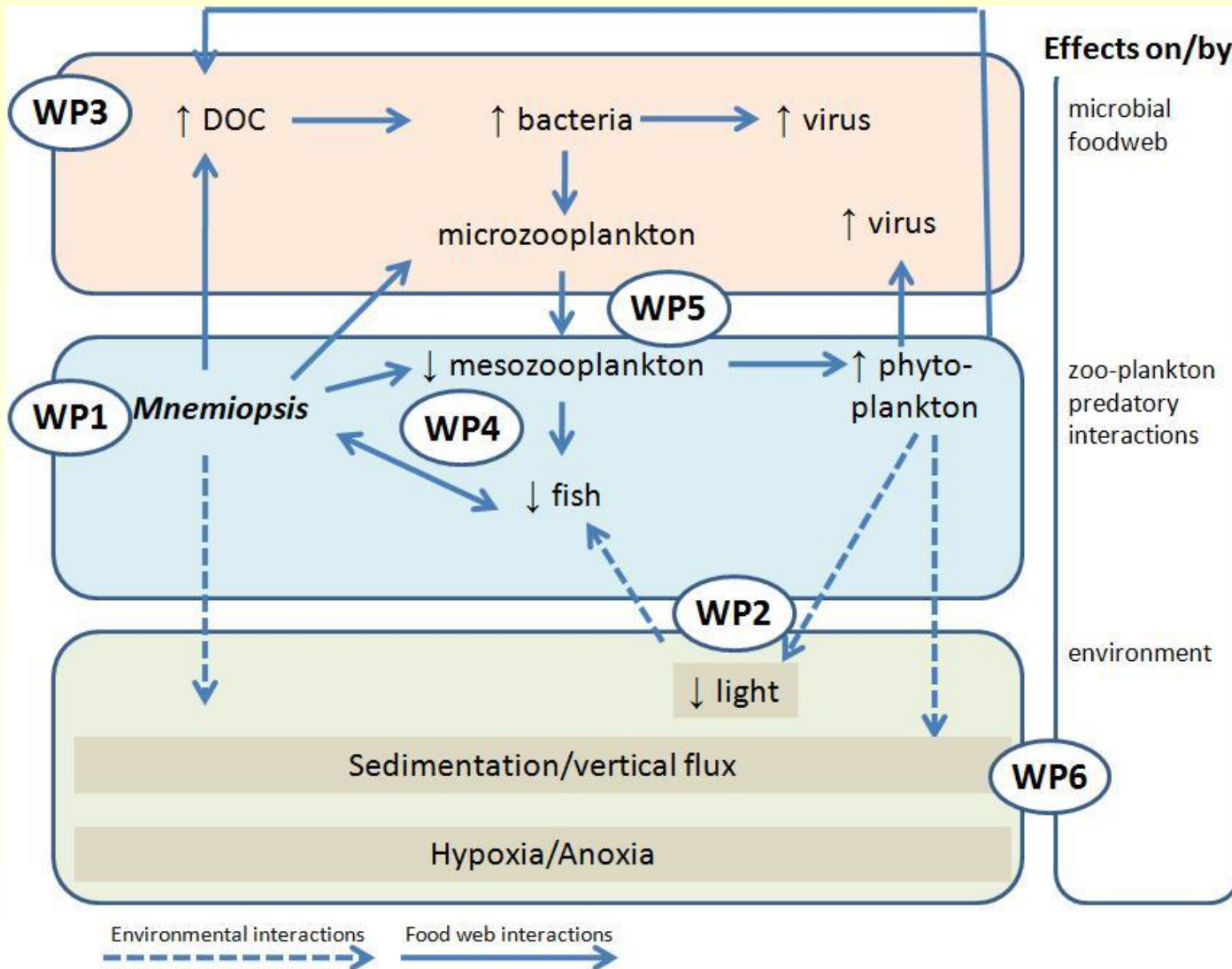
Transect from the
Skagerrak to Central
Baltic.

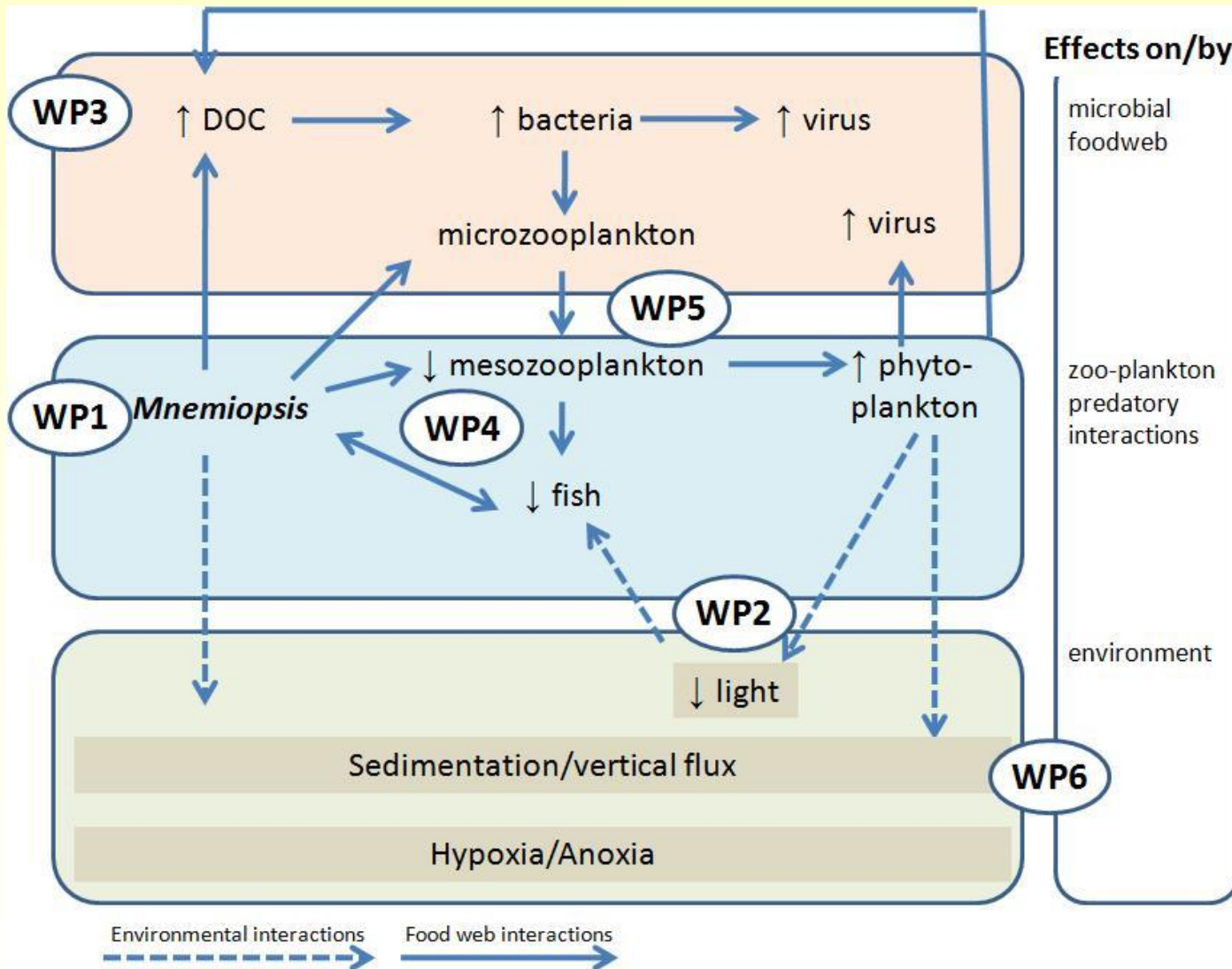
Two 24 h stations

One campaign in August
2009 and one in January
2010 (if budget allows!).









Activity plan

WP	Task	2008			2009												2010												2011												WP	Responsibility Task
		O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S					
	Meetings		I																																			GU	GU			
WP1	Population dynamics and sampling																																				GU					
	1.1 Monitoring				1	2	3			4	5	6					1	2	3			4	5	6													SMHI,UHEL,DTU,UmU,UiB					
	1.2 Process cruises						A												B			2														GU,DTU,KU,UHEL						
WP2	Effects on and by the light environment																																			GU						
	2.1 Sampling																																			GU,UiB						
	2.2 Fish and jellyfish abundance																																			GU,UiB						
	2.3 Cascade effects on light environment																																			GU,UiB						
WP3	DOC & microbial dynamics																																			KU						
	3.1 Microbial abundance and activity <i>in situ</i>																																			KU						
	3.2 Cascades and molecular microbial ecology																																			UmU,GU,KU,UHEL						
	3.3 DOC and nutrient dynamics																																			UmU,GU,KU,UHEL						
WP4	Predatory & competitive interactions																																			GU						
	4.1 Feeding rates																																			GU,KU						
	4.2 Assimilation efficiency																																			GU						
	4.3 Carbon budgets																																			GU,UmU						
	4.4 Feeding mechanisms																																			DTU,GU						
	4.5 In situ observations																																		DTU,GU							
WP5	Cascading effects on plankton community																																			UHEL						
	5.1: Cascade experiments																																			UHEL,KU,GU						
	5.2: Cascades in the field																																			UHEL						
WP6	Synthesis of negative effects																																			GU						
	6.1 Changing light environment																																			UiB,GU						
	6.2 Bottom-up and top-down effects																																			KU,GU,UHEL,UmU						
	6.3 Effects on fisheries and eutrophication																																			GU,DTU,SMHI						

Meetings

- I Kick off
- II 2009 meeting
- III 2010 meeting
- IV Final symposium

Process cruises

- A Skagerak
- B Skagerak

Monitoring cruises

- 1 Dana
- 2 Argos
- 3 Argos, Aranda, KBV005
- 4 Argos, KBV005
- 5 Argos, Aranda, KBV005
- 6 Dana

Mesocosm

- V Mesocosm workshop, KU
- VI Mesocosm workshop, UHEL

PhD col

- PD Cascading effects of gelatinous zooplankton

