



ZOOPLANKTON AND MEDUSAE CHANGES FROM 2003 TO 2011 IN THE BAY OF CALVI (CORSICA – MEDITERRANEAN SEA)

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OBJECTIVES : ZOOPLANKTON VARIABILITY THE BAY OF CALVI, CORSICA



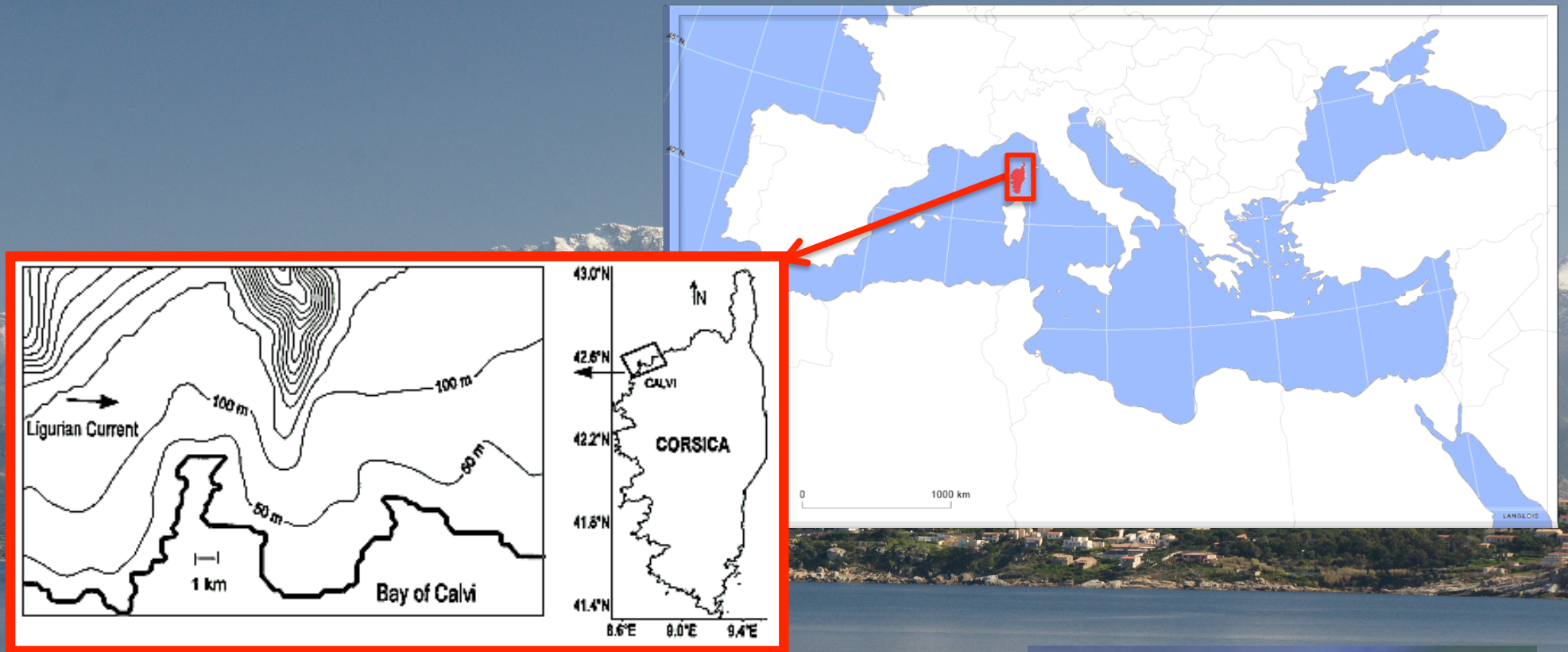
TEMPORAL VARIATION OF SURFACE ZOOPLANKTON

FOCUS ON CALYCOPHORAN SIPHONOPHORES

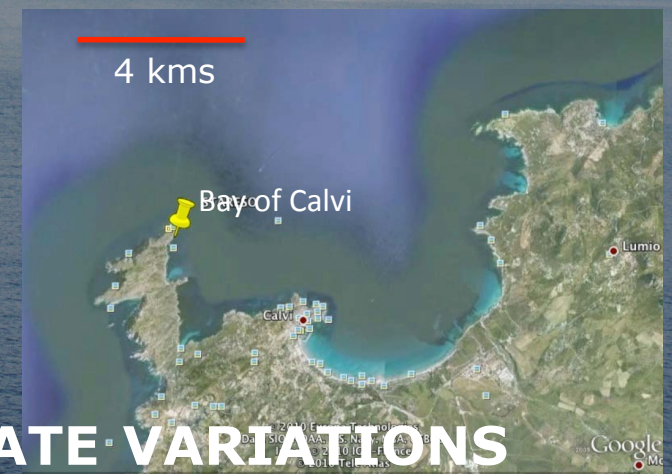
IN OLIGOTROPHIC BAY OF CALVI (CORSICAN ISLAND – NW MEDITERRANEAN)



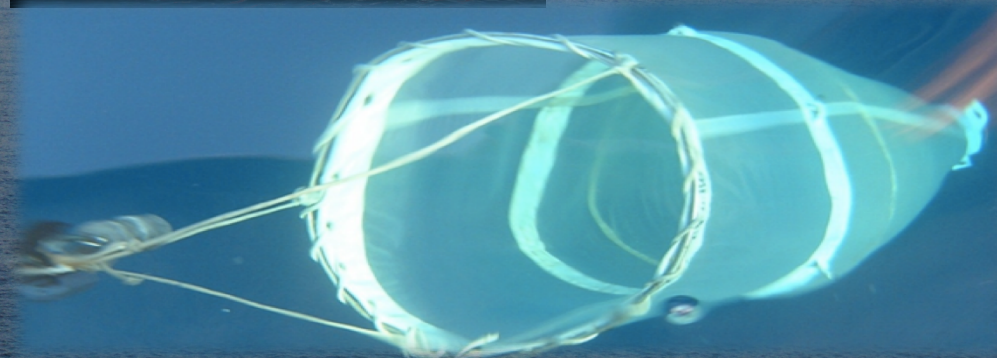
THE BAY OF CALVI ECOSYSTEM: OLIGOTROPHIC



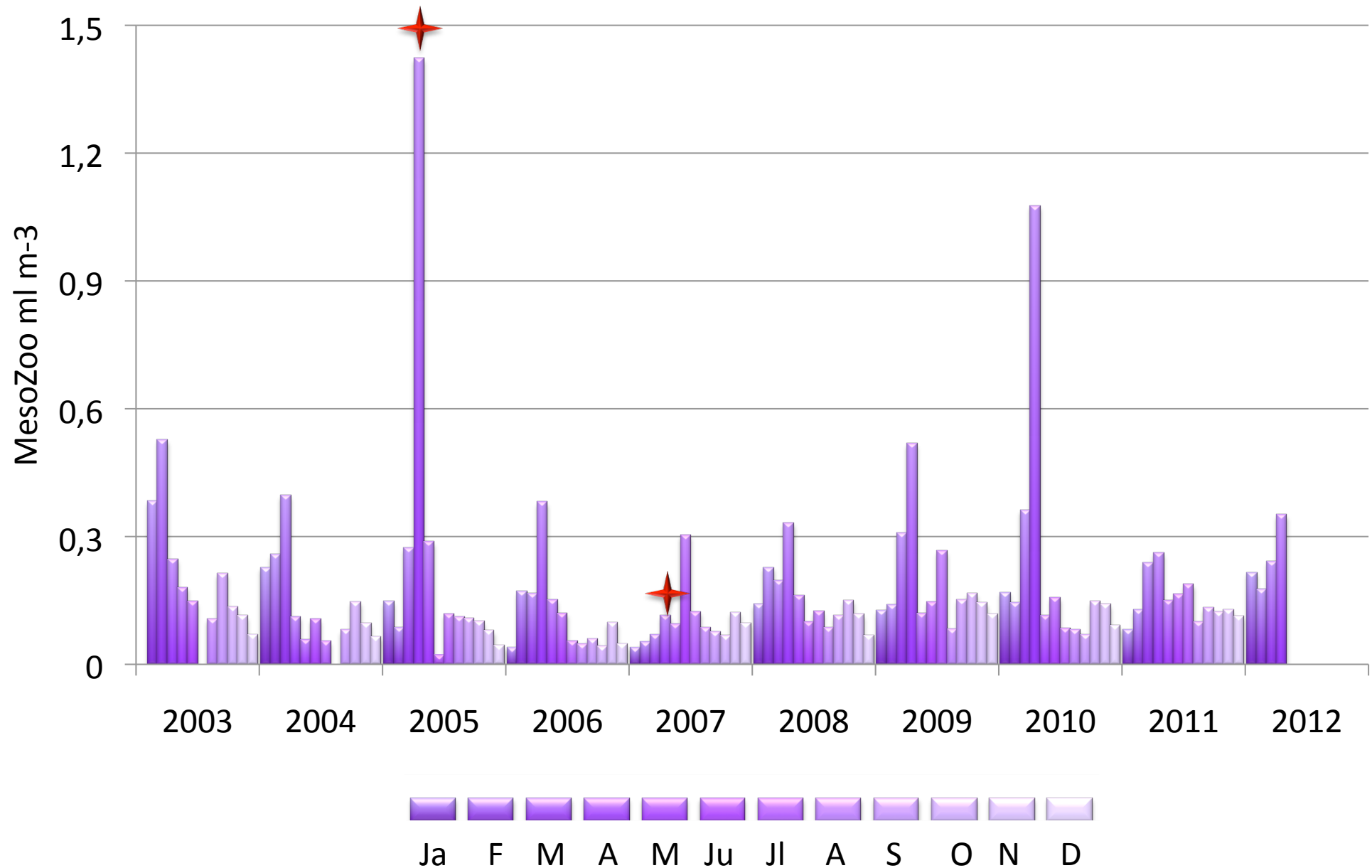
- **OPEN BAY AND NARROW SHELF**
- **OLIGOTROPHIC CHARACTERISTICS**
- **FEW ANTHROPOGENIC PRESSURES**
- **REFERENCE FOR THE IMPACT OF CLIMATE VARIATIONS**



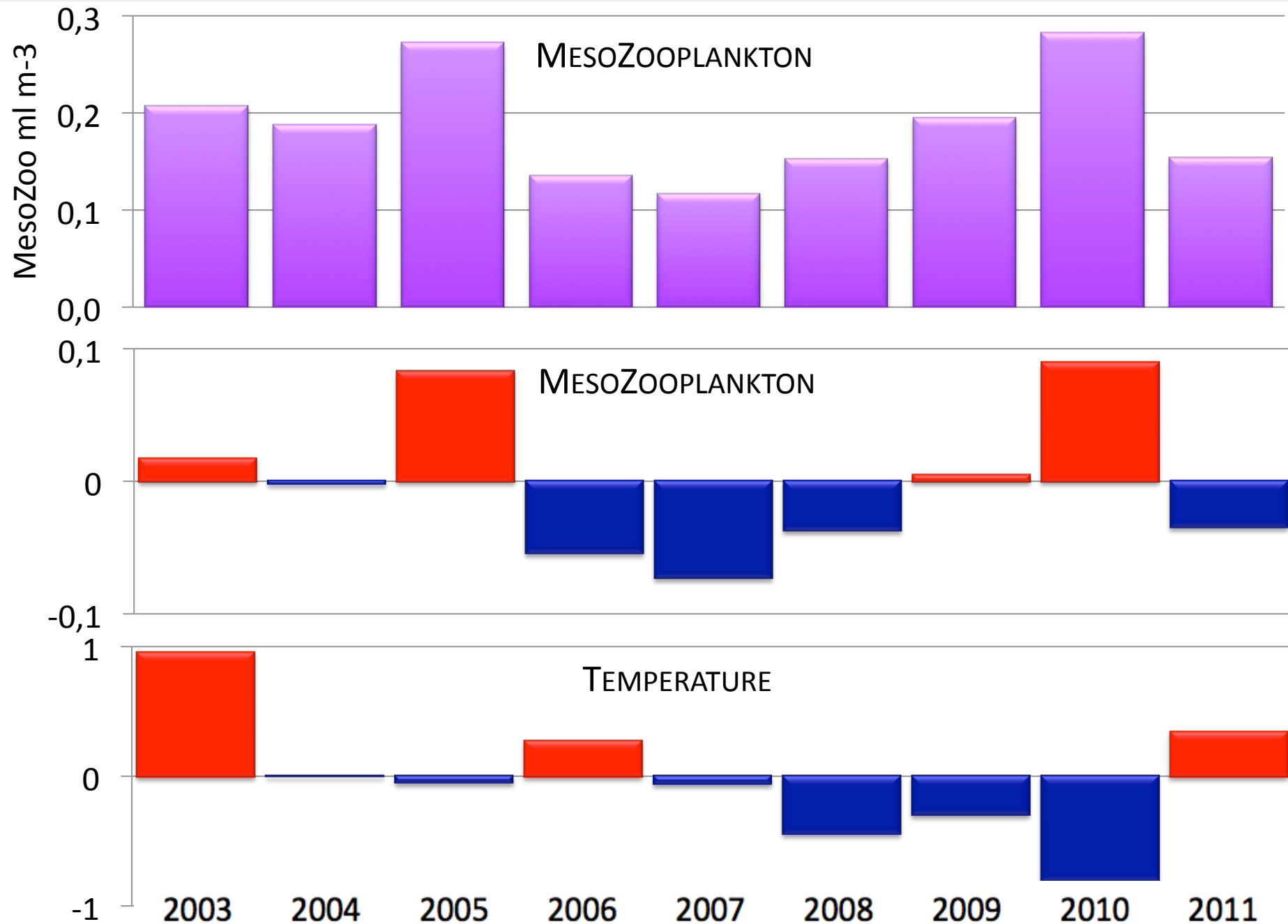
- WEEKLY HORIZONTAL ZOOPLANKTON
WP2 NET SAMPLING FROM 2003 TO
2012
- CALYCOPHORAN SIPHONOPHORES
IDENTIFICATION AND COUNTING
- COMPUTATION OF ANOMALIES OF
CALYCOPHORAN ANNUAL MEAN VALUES
- INDEX OF VARIABILITY OF ABUNDANCES
COMPARED TO A STANDARD ANNUAL
CURVE



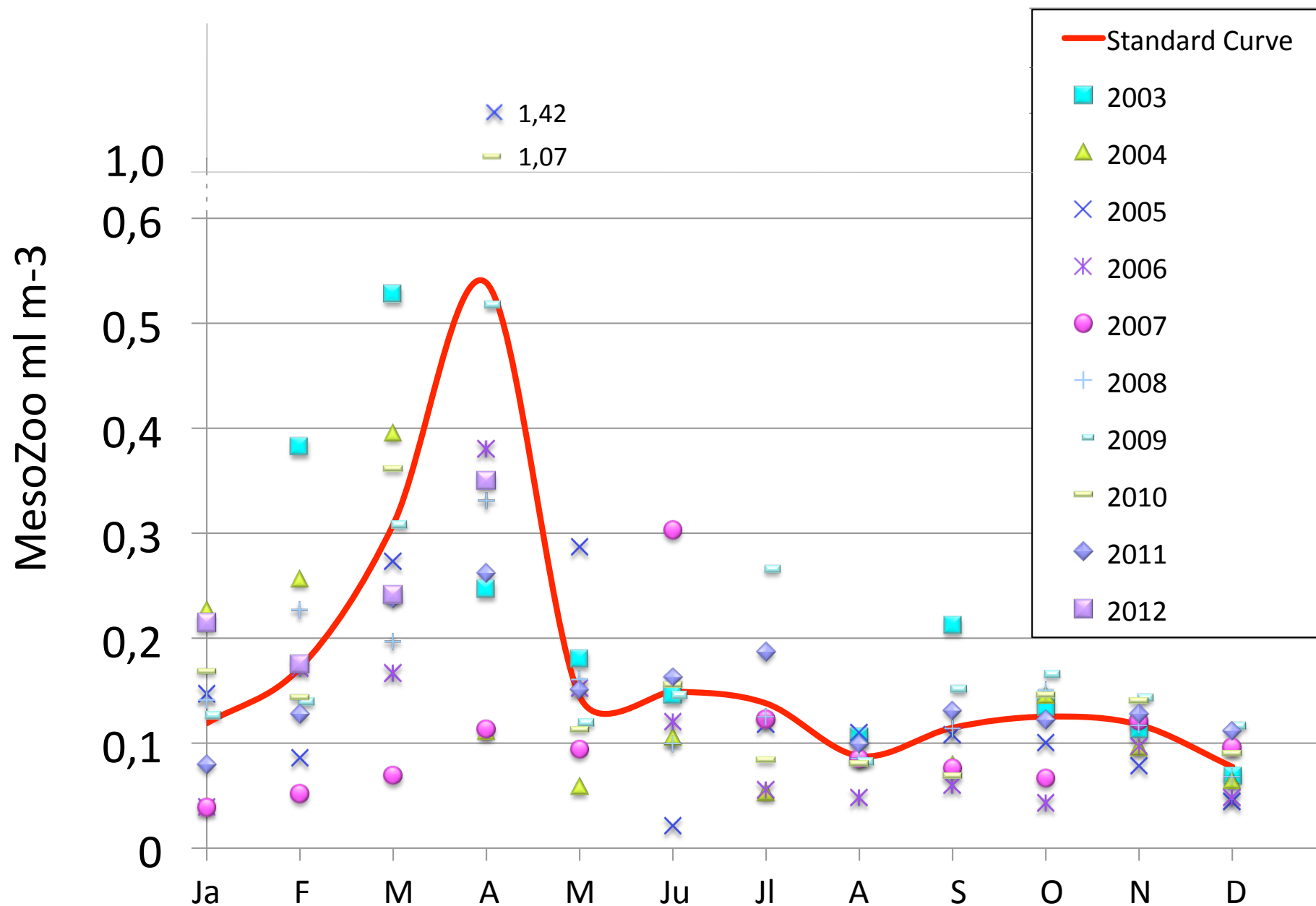
INTERANNUAL VARIABILITY OF MESOZOOPLANKTON BIOVOLUME, MAXIMUM VALUE AND SPRING PEAK DURATION



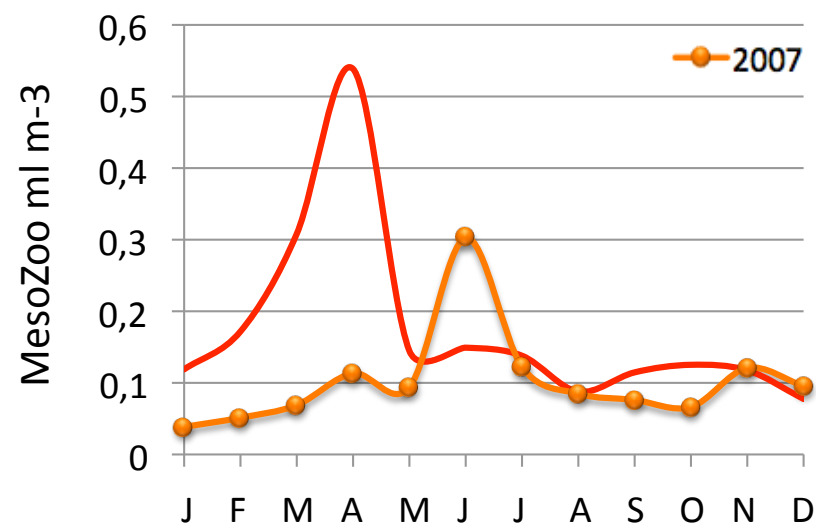
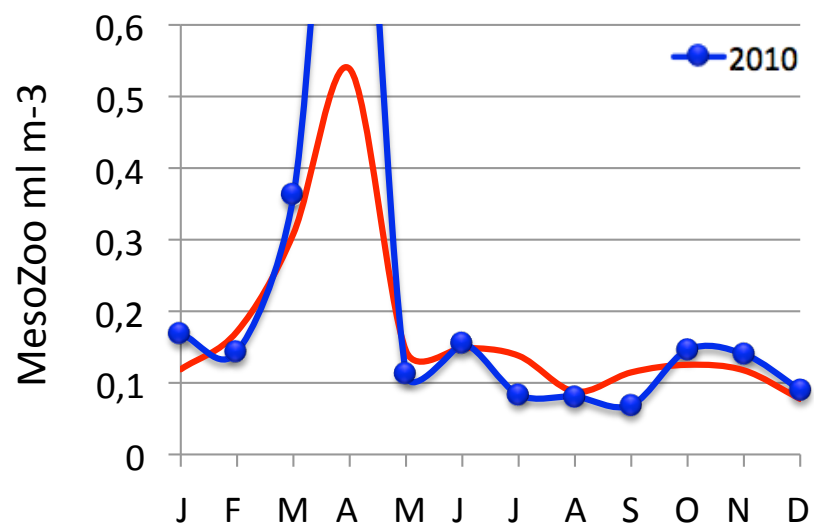
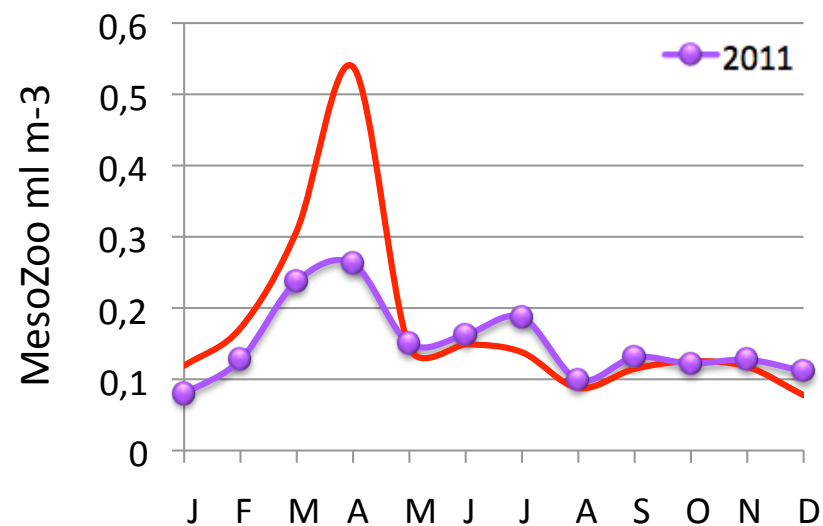
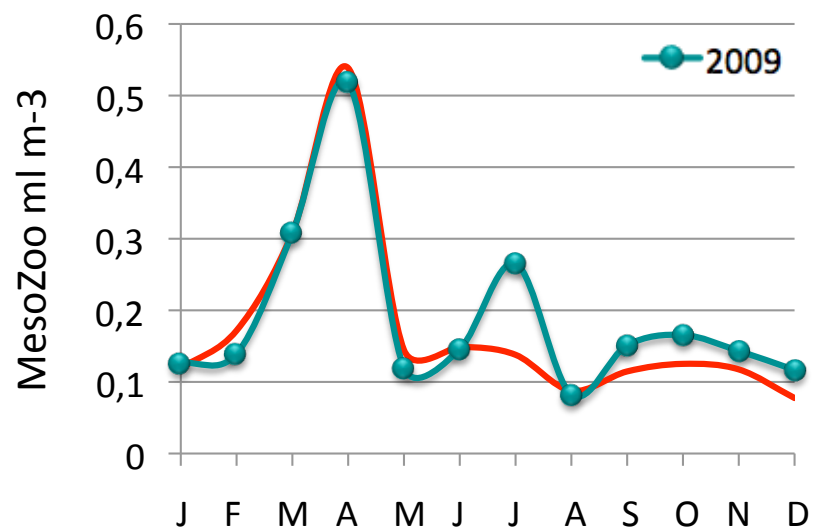
INTERANNUAL VARIABILITY OF MESOZOOPLANKTON BIOVOLUME AND ANOMALIES AND TEMPERATURE ANOMALIES



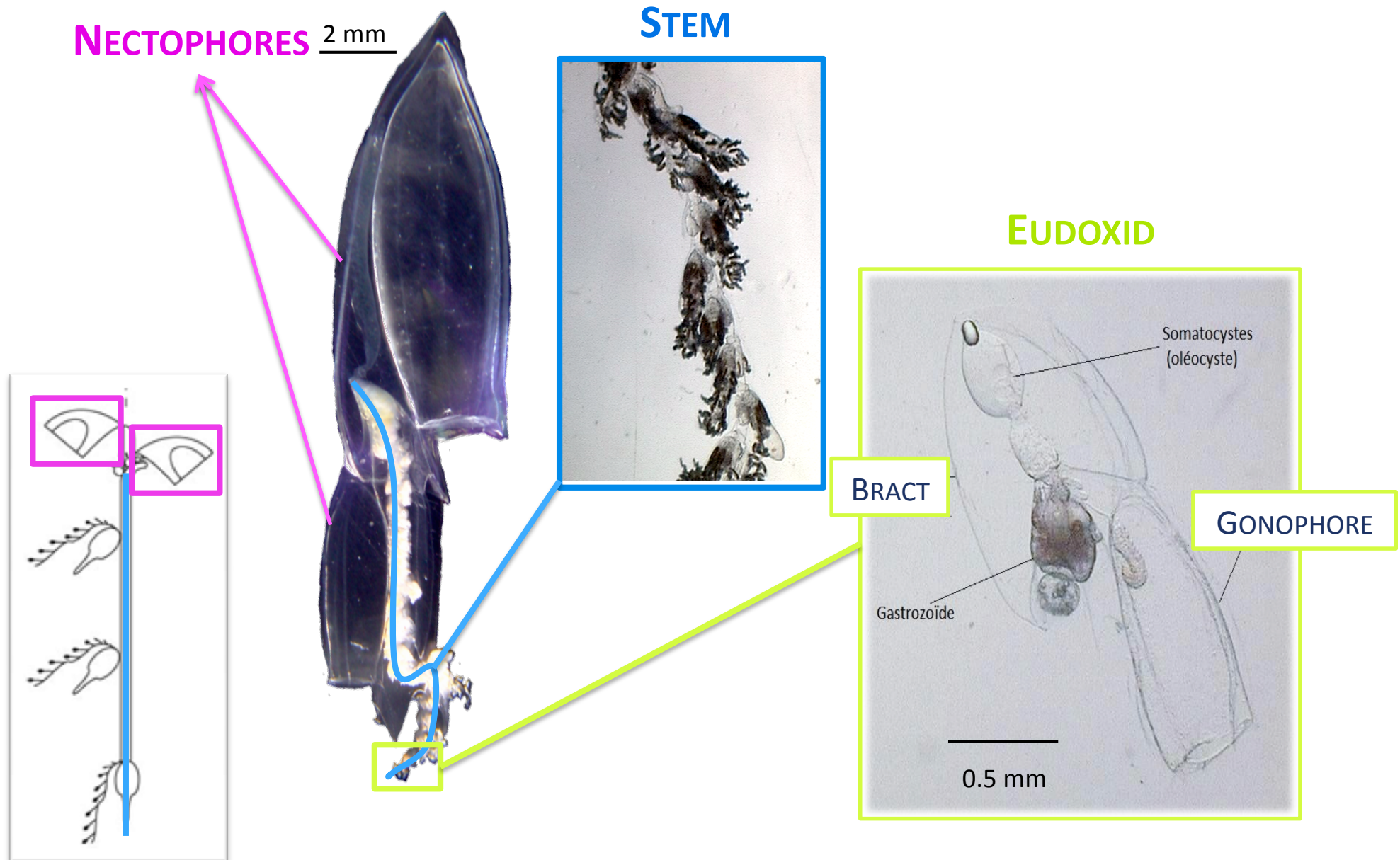
ANNUAL CYCLE OF MESOZOOPLANKTON BIOVOLUME. STANDARD CURVE



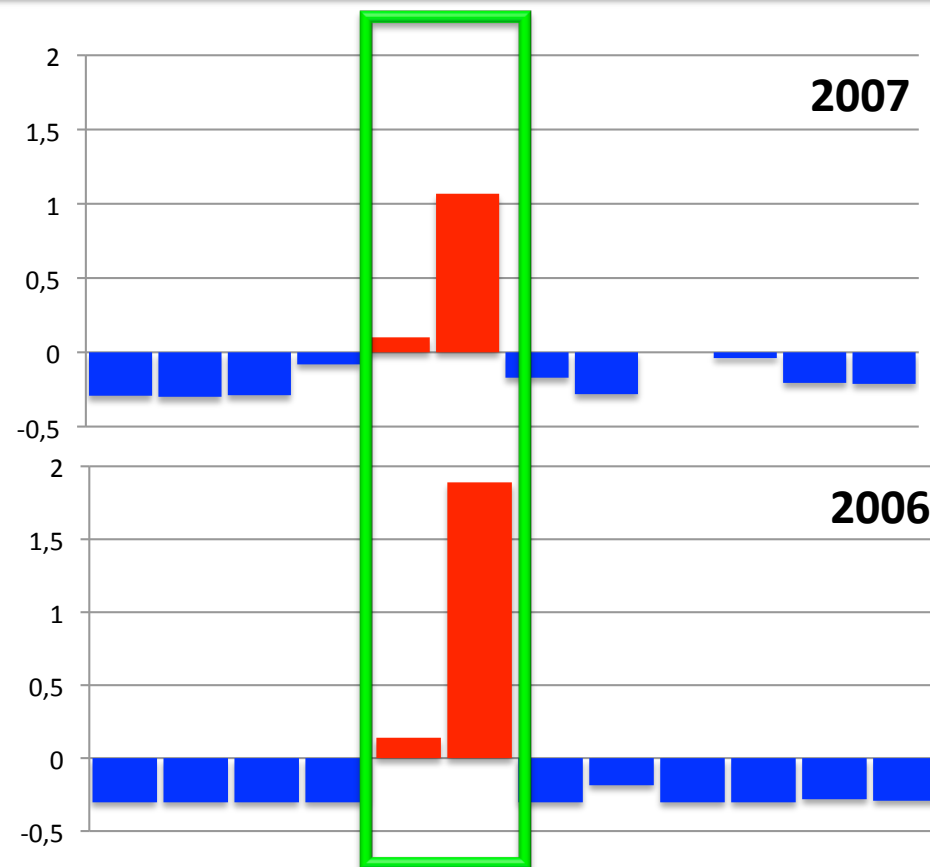
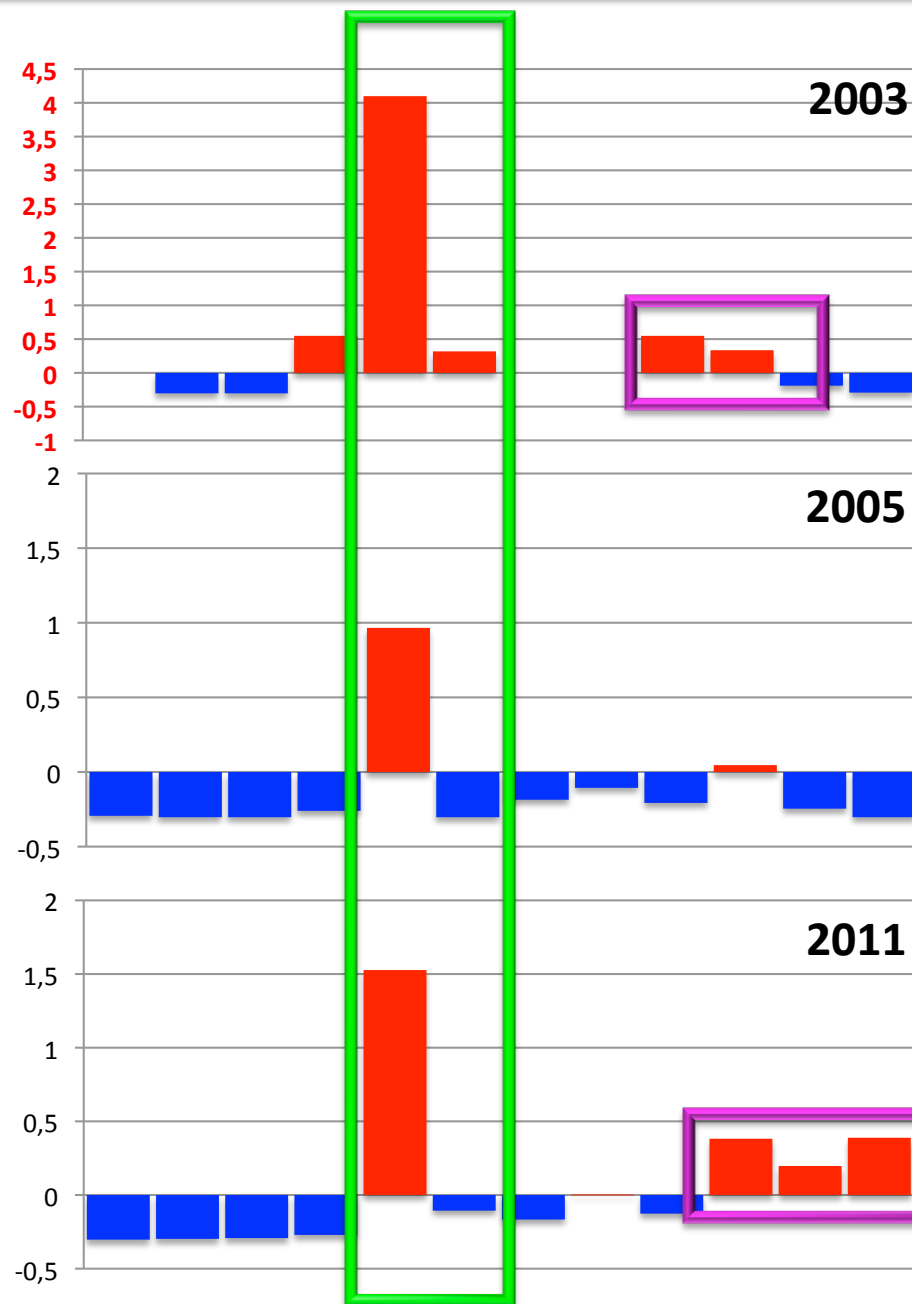
VARIABILITY OF MESZOOPLANKTON BIOVOLUME RELATED TO STANDARD CURVE



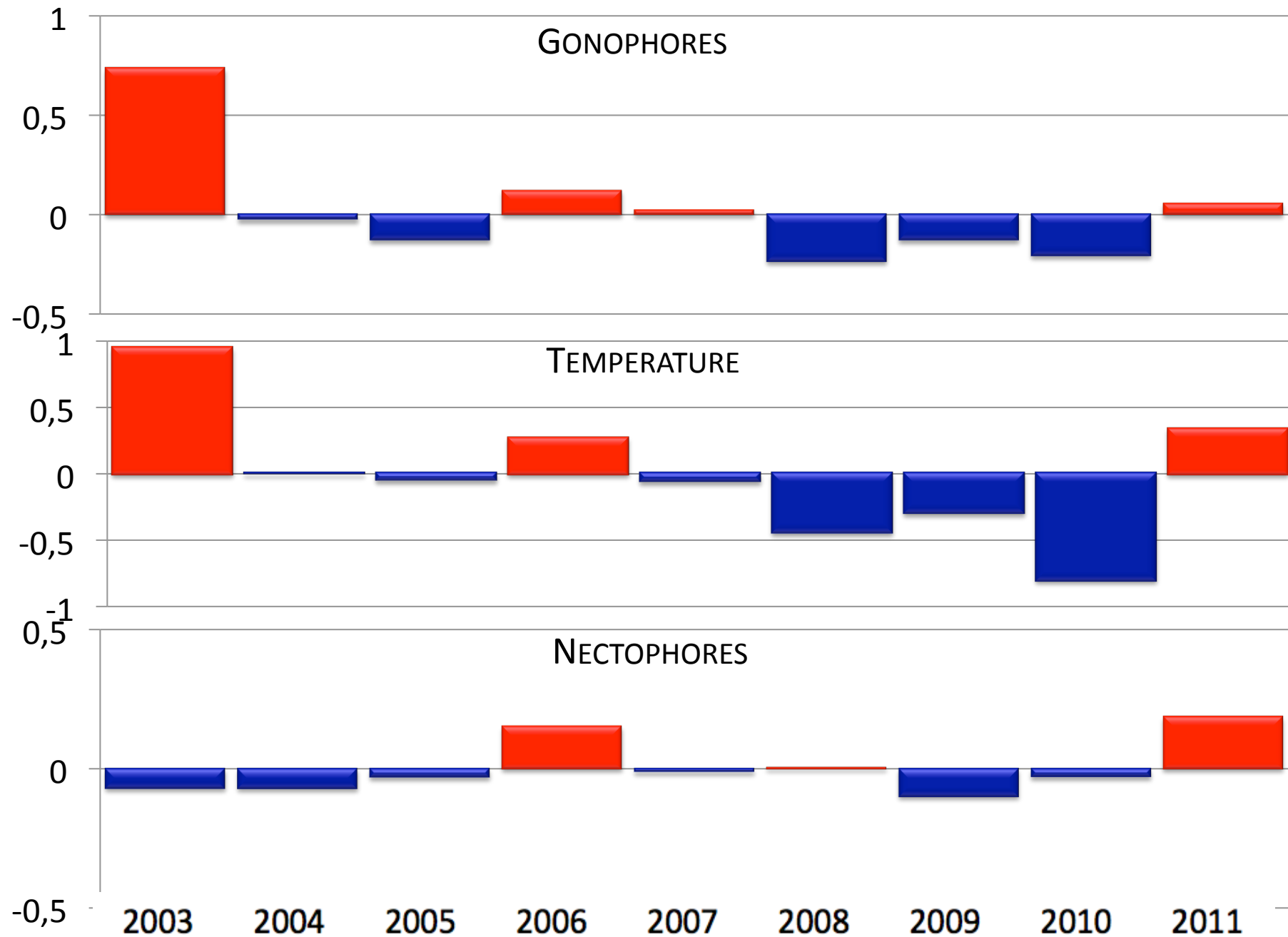
CALYCOPHORAN SIPHONOPHORES (E.G. *CHELOPHYES APPENDICULATA*)



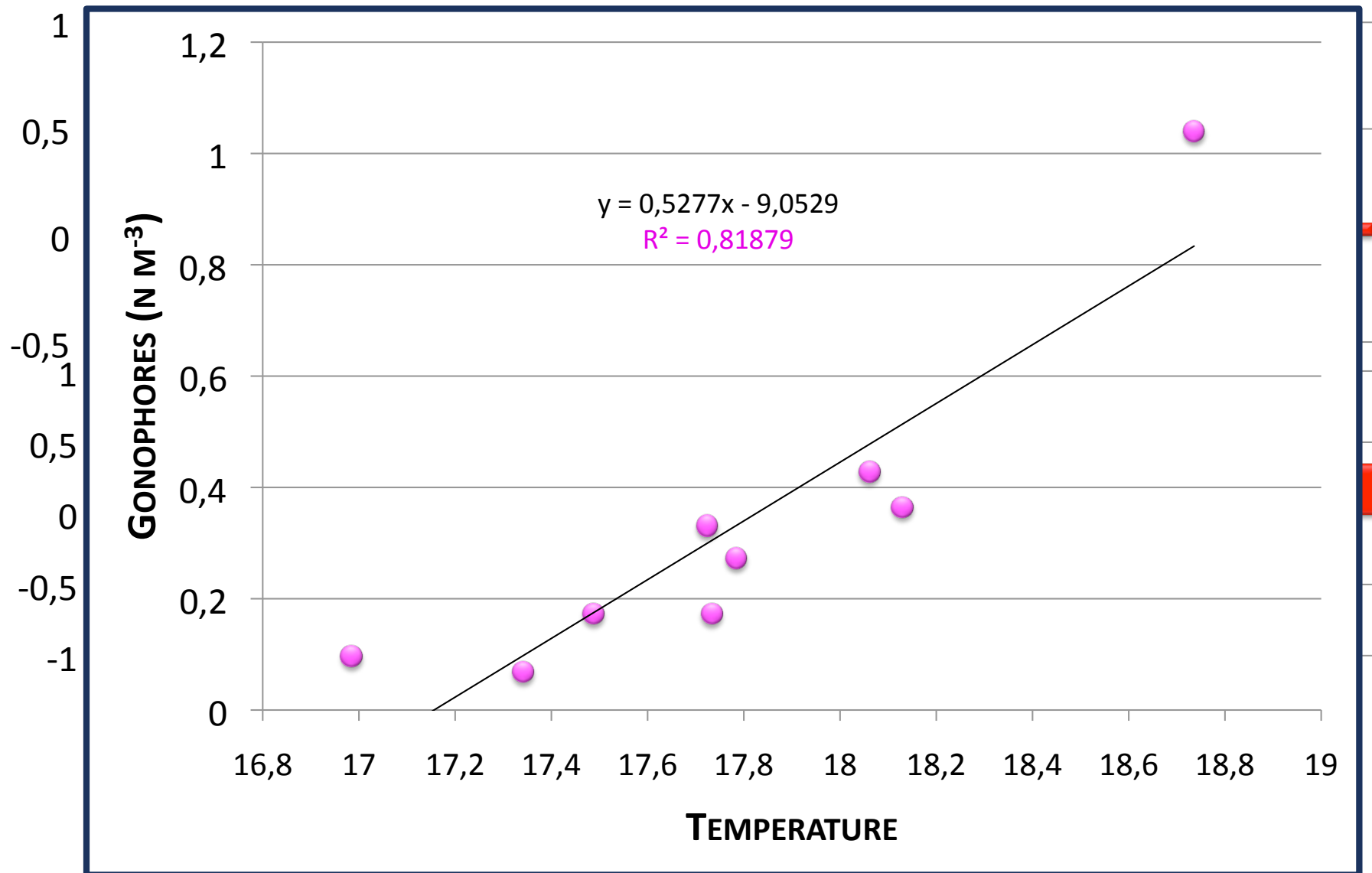
CALYCOPHORAN SIPHONOPHORES SEASONAL OCCURANCE OF GONOPHORES



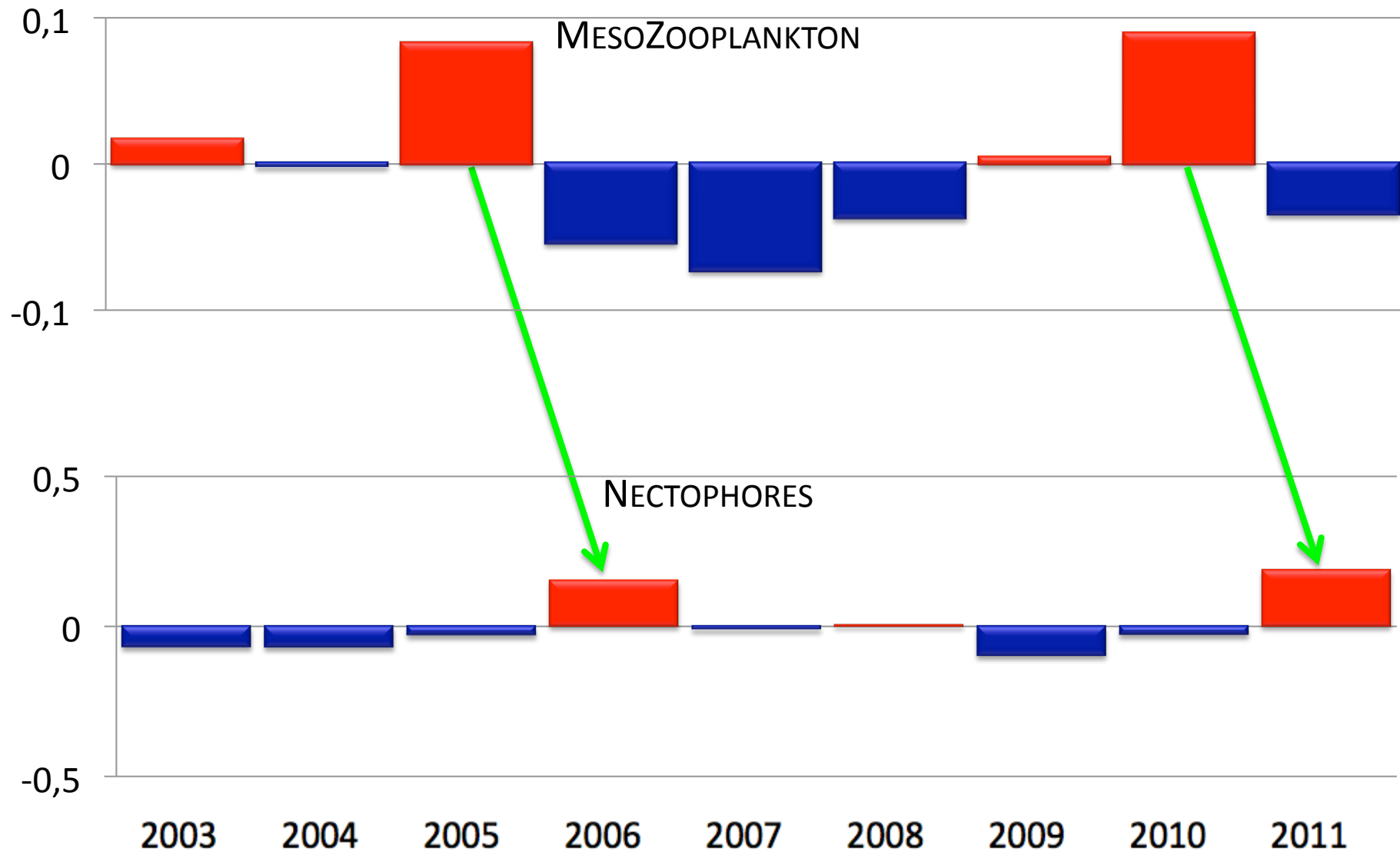
CALYCOPHORAN SIPHONOPHORES (GONOPHORES/TEMPERATURE/NECTOPHORES)



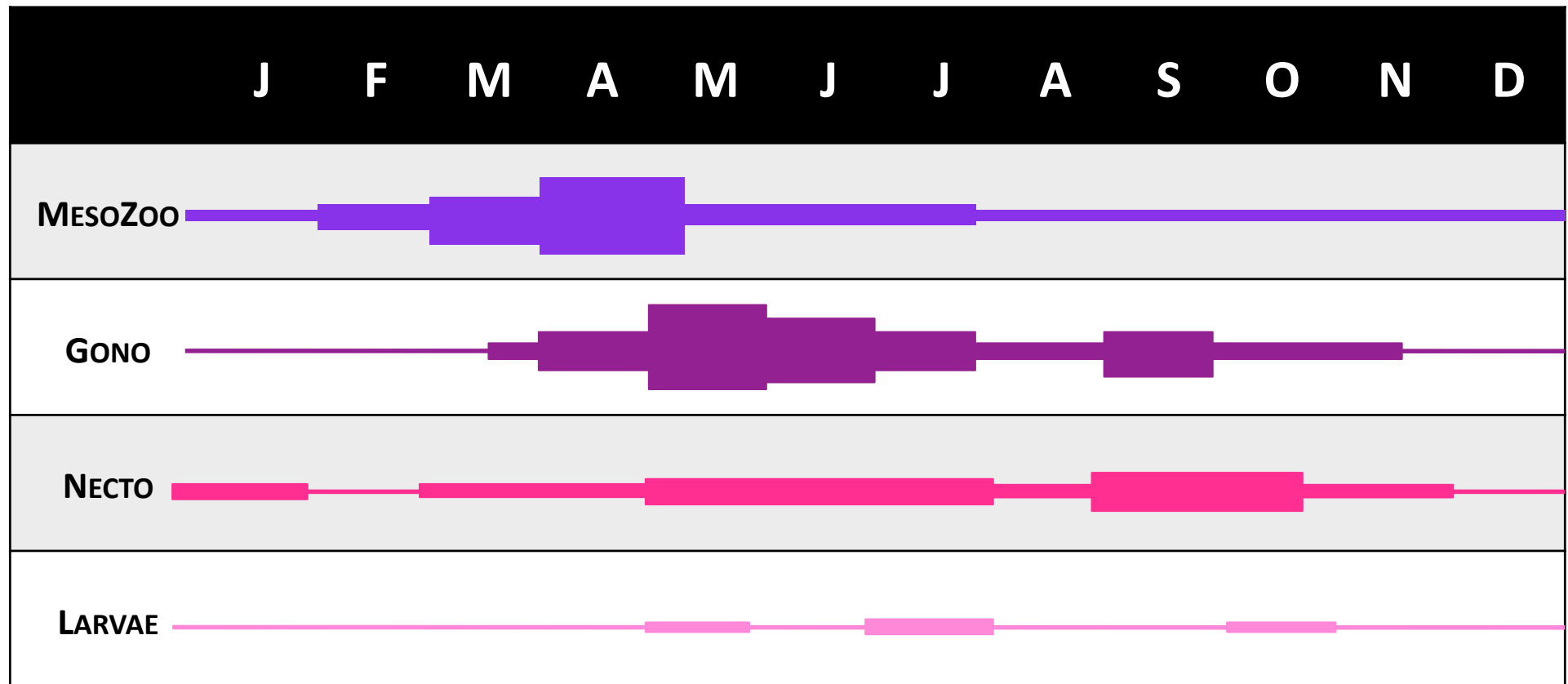
CALYCOPHORAN SIPHONOPHORES (GONOPHORES/TEMPERATURE)



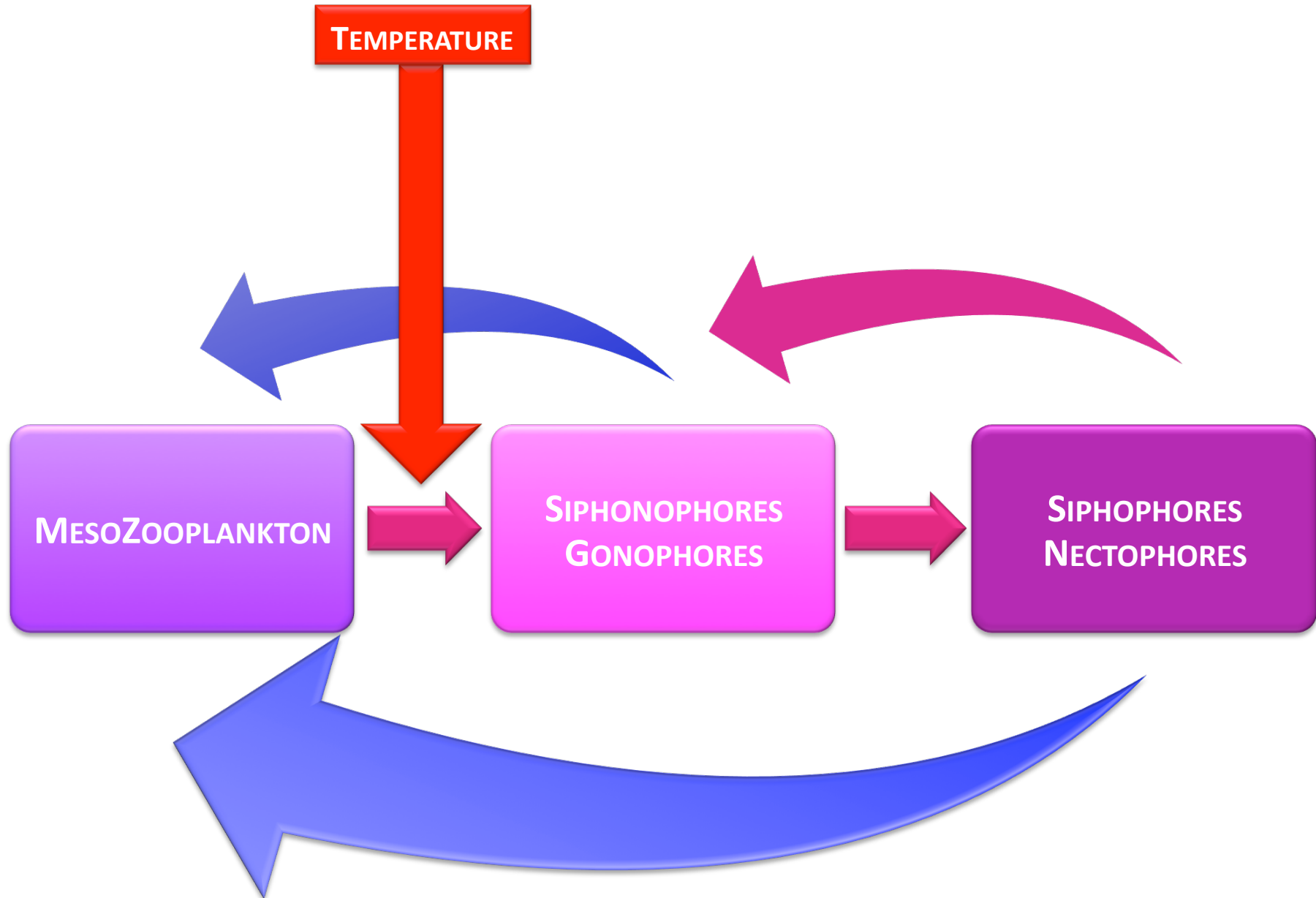
CALYCOPHORAN SIPHONOPHORES (MESOZOOPLANKTON/NECTOPHORES)



CALYCOPHORAN SIPHONOPHORES- DISCUSSION



CONCLUSIONS AND PERSPECTIVES



THANK YOU



QUESTIONS?

