

**Monday, October 15<sup>th</sup> 2012**

20:00-22:30

Welcome Reception (*venue: Astoria Kapsis Hotel*)

**Tuesday, October 16<sup>th</sup> 2012**

08:30

Shuttle Bus (Astoria Kapsis Hotel to HCMR)

09:00-09:30

Registration

09:30-09:45

Welcome address

**Dr. P. Pitta**, Conference chair, HCMR

**Prof. C. Synolakis**, President of HCMR

09:45-10:45

*Opening Talk*

*Prof. Candace Oviatt*, University of Rhode Island, USA

*A LONG VIEW ON MODEL ECOSYSTEM STUDIES (ID 005)*

10:45-11:15

*Coffee Break*

11:15-12:10

*Invited Talk*

*Prof. Michael Kemp*, University of Maryland, USA

*SCALING IN COASTAL AND MARINE MESOCOSM RESEARCH FOR  
 IMPROVED UNDERSTANDING AND EXTRAPOLATION (ID 001)*

**Theme 1 Session**

12:10-12:30

**BIODIVERSITY, PRODUCTIVITY AND ECOSYSTEM FUNCTIONING IN LAKES ALONG  
 A LONGITUDINAL GRADIENT – BIOGRAD (ID 103)**

*Striebel, M., Kyle, M., Ptacnik, R., Vrede, T., Rasconi, S., Moorthi, S., Hingsamer, P., Håll, J.P., Thrane, J.E.,  
 Winter, A.M., MacNeill, K., Skjelbred, B., Ptacnikova, R., Lindholm, M., Hessen, D., Andersen, T.*

12:30-12:50

**KOSMOS – KIEL OFF-SHORE MESOCOSMS FOR OCEANOGRAPHIC STUDIES (ID 104)**

*von Bröckel, K., Czerny, J., Hoffmann, D., Lentz U., Riebesell, U.*

12:50-13:10

**A MESOCOSM FACILITY FOR EFFECT STUDIES OF CLIMATE CHANGES IN AQUATIC  
 ENVIRONMENTS (ID 105)**

*Båmstedt, U., Larsson, H., Lundberg, E.*

13:10-15:00

**Lunch Break**

15:00-15:20

**AUTOMATIC SENSORS FOR CONTINUOUS IN SITU MONITORING OF PLANKTONIC  
 BIOMASS AND ACTIVITY IN EXPERIMENTAL MESOCOSM APPROACHES (ID 107)**

*Le Floc'h, E., Mas, S., Fouilland, E., Pete, R., Vidussi, F., Parin, D., Nougier, J., Geoffroy, T., Mostajir, B*

15:20-15:40

**EXPERIMENTS WITH ENCLOSED NATURAL PLANKTON COMMUNITIES. WHEN AND  
 WHY ARE THEY SUITABLE? (ID 110)**

*Marrasé, C., Peters, F., Guadayol, Ò.*

15:40-16:00

**COMPARISON OF CYTOSENSE FLOWCYTOMETRY WITH LIGHT MICROSCOPY TO  
 QUANTIFY A WIDE SIZE RANGE OF PHYTOPLANKTON POPULATIONS DURING  
 MESOCOSM STUDIES (ID 111)**

*Sergeeva, V.M., Sazhin, A.F., Jakobsen, H.H., Nejstgaard, J.C.*

16:00-16:30

**Coffee Break**

16:30-16:50

**UNDERWATER ENCLOSURES IN LAKES: A NEW TOOL TO STUDY INTERNAL  
 PHOSPHORUS CYCLING AND HYPOLIMNETIC OXYGEN DEPLETION UNDER  
 CHANGING CLIMATIC AND TROPHIC CONDITIONS (ID 112)**

*Hupfer, M., Jordan, S., Engelhardt, C., Herzog, C., Kleeberg, A.*

16:50-17:10

**THE LAKELAB: A NEW EXPERIMENTAL PLATFORM TO STUDY CLIMATE-CHANGE  
 EFFECTS (ID 114)**

*Gessner, M.O., Engelhardt, C., Kirillin, G., Casper, P., Grossart, H.P., Allgaier, M., Hintze, T., Kasprzak, P.,  
 Monaghan, M.T., Padisák, J.*

**17:10-17:30 BAG-1: A FIRST DEPLOYMENT OF FREE-FLOATING MESOCOMS OFF HAWAII (ID 117)**

Böttjer, D., Karl, D.M., Poulos, S., Riebesell, U., BAG-1 Team

**17:30-18:30 Poster at a glance presentations (1)**

(ID: 101-106-108-109-113-115-116-203-204-205-206-208-209-213-214-215-217-219-224)

**18:30 Shuttle Bus (HCMR to Astoria Kapsis Hotel)**

### Wednesday, October 17th 2012

**08:30 Shuttle Bus (Astoria Kapsis Hotel to HCMR)**

**09:00-10:00 Invited Talk**

*Prof. Frede T. Thingstad*, University of Bergen, Norway

**STRATEGIES FOR LIFE AND DEATH: MECHANISMS THAT SHAPE THE PELAGIC FOOD WEB (ID 002)**

#### Theme 2 Session

**10:00-10:20 WHEN MICROZOOPLANKTON GRAZING APPEARS TO BE NEGATIVE: CARBON FILTERS AND MESOCOSMS USED TO INVESTIGATE LIMITATIONS WITH THE DILUTION APPROACH (ID 227)**

Nejstgaard, J.C., Stoecker, D.K., Jakobsen, H.H., Sergeeva, V.M., Madhusoodhanan, R., Sulcius, S., Sazhin, A.F.

**10:20-10:40 USING FLOWCAM AND CYTOSENSE FLOWCYTOMETRY TO ADDRESS ALGAE COLONY AND CHAIN FORMATION IN MESOCOSM EXPERIMENTS (ID 228)**

Jakobsen, H.H., Nejstgaard, J.C., Sazhin, A., Stoecker, D., Simonelli, P., Troedsson, C.

**10:40-11:00 FUNCTIONING OF PLANKTONIC FOOD WEB UNDER ORGANIC VERSUS INORGANIC PHOSPHORUS ADDITIONS IN THE OLIGOTROPHIC EASTERN MEDITERRANEAN SEA: PRELIMINARY RESULTS OF THE LAGRANGIAN MESOCOSM PLATFORM DEPLOYED IN THE CRETAN SEA (SEPTEMBER 2011) (ID 212)**

Mostajir, B., Pete, R., Mas, S., Le Flo'c'h, E., Parin, D., Dinet, T., Roques, C., Fouilland, E., Vidussi, F., Tsagaraki, T.M., Psarra, S., Magiopoulos, I., Tsiola, A., Fodelianakis, S., Tsapakis, M., Dafnomili, E., Zivanovic, S., Simonelli, P., Tanaka, T., Sett, S., Winder, M., Lindehoff, E., Sebastian, M., Sa, E., Pitta, P.

**11:00-11:30 Coffee Break**

**11:30-11:50 PROTOZOAN GRAZING ON BACTERIA CONTROLS ABUNDANCE AND DIVERSITY OF LYTIC BACTERIOPHAGES (ID 229)**

Sandaa, R.A.

**11:50-12:10 EFFECT OF THE FORM OF P ADDITION ON BACTERIAL COMMUNITY DYNAMICS AND DIVERSITY DURING A MESOCOSM EXPERIMENT IN THE OLIGOTROPHIC EASTERN MEDITERRANEAN SEA (ID 222)**

Pete, R., Mas, S., Tanaka, T., Sett, S., Fodelianakis, S., Le Flo'c'h, E., Pitta, P., Mostajir, B.

**12:10-12:30 DIATOM DERIVED POLYUNSATURATED ALDEHYDES (PUAs) HAVE NO EFFECT ON THE STRUCTURE OF THE PLANKTONIC FOOD WEB – FROM VIRUSES TO COPEPODS (ID 218)**

Paul, C., Amin, R. Md., Reunamo, A., Lindehoff, E., Bergkvist, J., Mausz, M.A., Larsson, H., Samchyshyna, L., Richter, H., Sten-Åke Wängberg, S.A., Leskinen, P., Båmstedt, U., Pohnert, G

**12:30-12:50 POTENTIAL FUTURE OCEAN IMPACT ON MICROBIAL DEGRADATION AND SINKING OF MARINE AGGREGATES -WILL THE EFFICIENCY OF THE BIOLOGICAL CARBON PUMP CHANGE? (ID 220)**

Iversen, M.H.

**12:50-14:30 Lunch Break**

**14:30-14:50 QUANTITATIVE PCR TO ESTIMATE COPEPOD SPECIFIC FEEDING DURING A MESOCOSM STUDY (ID 231)**

Simonelli, P., Troedsson, C., Jakobsen, H.H., Calbet, A., Frischer, M.E., Nejstgaard, J.C.

**14:50-15:10 PERFORMANCE OF A NATURAL PLANKTON COMMUNITY ALONG A 10X LIGHT-GRADIENT WITH EMPHASIS ON MIXOTROPHIC GRAZERS (ID 233)**

Ptacnik, R., Sazhin, A.F., Gomes, A.F., Tanaka, T., Isari, S., Pichlova, R., Moorthi, S.D., Striebel, M., Berger, S.A., Neistgaard, J.C., Calbet, A., Pitta, P., Tsagaraki, T.M., Royer, S.J., Martínez, R.A., Schabhüttl, S., Altoja, K., Laas, P., Gazihan Akoğlu A., Zervoudaki, S., Sousoni, D., Santi, I., Dimitriou, P.

**15:10-15:30 THE ZOOPLANKTON PREDATOR CHAIN AS STRUCTURING FORCE FOR THE MICROBIAL FOOD WEB DYNAMICS. EXAMPLES FROM THE MESOCOSM EXPERIMENT AT SPITZBERGEN AND BERGEN (ID 234)**

Larsen, A.

**15:30-16:00 Poster at a glance presentations (2)**

(ID: 225-226-230-306-309-312-313-314-319)

**16:00-16:30 Coffee break**

**16:30-16:50 TEMPERATURE FACILITATED VIRUS INDUCED BACTERIAL MORTALITY (ID 201)**

Sulcius, S., Paskauskas, R., Martinkute, E., Javidpour, J., Sommer, U.

**16:50-17:10 SOIL INPUT TRIGGERS SUCCESSION IN PHYTOPLANKTON COMMUNITY COMPOSITION OF A MEDITERRANEAN COASTAL LAGOON (ID 216)**

Deininger, A., Lange, K., Bayer, T., Faithfull, C., Vidussi, F., Liess, A.

**17:10-17:30 PELAGIC FOOD WEBS IN SEMI-EXTENSIVE AQUACULTURE MESOCOSMS: EFFECTS OF PHYTOPLANKTON AND ZOOPLANKTON COMPOSITION ON TURBOT LARVAL DEVELOPMENT (ID 207)**

Blanda, E., Jakobsen, H.H., Jepsen, P.M., Novac, A., Hansen, B.W.

**17:30-17:50 DIVERSE TROPHIC LEVEL RESPONSES TO A PULSED SEDIMENT ADDITION AND LARVAL FISH PRESENCE IN A COASTAL MESOCOSM EXPERIMENT (ID 223)**

Faithfull, C., Lefebure, R., Mathisen, P., Schroder, A., Reichstein, B., Liess, A., Uzko, W., Francoeur, S.N., Lange, K.

**18:00 Shuttle Bus (HCMR to Astoria Kapsis Hotel)**

## Thursday, October 18<sup>th</sup> 2012

**08:30 Shuttle Bus (Astoria Kapsis Hotel to HCMR)**

**09:00-10:00 Invited Talk Prof. Ulf Riebesell, IFM GEOMAR, Germany**

**PLANKTON COMMUNITY RESPONSES IN A HIGH CO<sub>2</sub> OCEAN (ID 003)**

### Theme 3 Session

**10:00-10:20 RESPONSE OF A PLANKTONIC COMMUNITY TO OCEAN ACIDIFICATION IN THE OLIGOTROPHIC MEDITERRANEAN SEA (ID 211)**

Sallon, A., Guieu, C., Grisoni, J.M., Louis, F., Gattuso, J.P., Gazeau, F.

**10:20-10:40 LIGHT, THE UNDEREMPHASIZED ISSUE IN PLANKTOLOGICAL CLIMATE CHANGE RESEARCH – RESULTS FROM MESOCOSM STUDIES (ID 303)**

Sommer, U., Lengfellner, K., Lewandowska, A.

**10:40-11:00 IMPACT OF PURE SAHARAN DUST AND POLLUTED AEROSOL ON BIOGEOCHEMICAL PROCESSES IN THE EAST MEDITERRANEAN SEA, PRELIMINARY RESULTS OF A MESOCOSM EXPERIMENT (CRETE, MAY 2012) (ID 318)**

Herut, B., Pitta, P., Krom, M., Mihalopoulos, N., Tsagaraki, T.M., Rahav, E., Berman-Frank, I. and the whole group

**11:00-11:20 EFFECTS OF COMMUNITY STRUCTURE AND CO<sub>2</sub> CONCENTRATION ON NATURAL PHYTOPLANKTON BIOMASS AND CALCIFICATION (ID 302)**

Matthiessen, B., Lena Eggers, S., Barcelos e Ramos, J., Blanco Ameijeiras, S., Lewandowska, A.

**11:20-11:50 Coffee Break**

**11:50-12:10 ELEMENT BUDGETS IN AN ARCTIC MESOCOSM CO<sub>2</sub> PERTURBATION STUDY (ID 304)**

Czerny, J., Bellerby, R.G.J., Boxhammer, T., Engel, A., Krug, S., Ludwig, A., Nachtigall, K., Niehoff, B., Schulz, K. G., Riebesell, U.

**12:10-12:30 ATMOSPHERIC DEPOSITION ONTO OLIGOTROPHIC MARINE SYSTEMS: NEW INSIGHTS FROM MESOCOSM STUDIES (ID 305)**

Guieu, C., Ridame, C., Pulido-Villena, E., Wagener, T., Bressac, M., Dulac, F., Desboeufs, K., Blain, S., Brunet, C., Obernesterer, I., Wuttig, K., Ye, Y., Baudoux, A.C., Pondaven, P., Biegala, I., Leblond, N., Doxaran, D., Bourrin, F., Stemman, L.

**12:30-12:50 CO<sub>2</sub>-INDUCED SHIFTS IN NATURAL PHYTOPLANKTON COMMUNITY COMPOSITION AND BIOCHEMICAL MAKE-UP (ID 307)**

Bermúdez, J.R., Larsen, A., Riebesell, U., Schulz, K.G., Winder, M.

- 12:50-13:10 THE IMPACT OF DUST AND POLLUTED AEROSOL INPUTS ON DIAZOTROPHY DURING A MESOCOSM EXPERIMENT IN THE EASTERN MEDITERRANEAN SEA (ID 232)**  
Rahav, E., Herut, B., Liu, H., Guo, C., Mulholland, M., Tsiola, A., Giannakourou, A., Lagaria, A., Psarra, S., Tsagaraki, T.M., Pitta, P., Berman-Frank, I.
- 13:10-13:30 AN INDOOR MESOCOSM SYSTEM TO STUDY THE EFFECT OF WARMING TO PHYTOPLANKTON SPECIES COMPOSITION AND STRUCTURE (ID 301)**  
Higini Peter, K., Sommer, U.
- 13:30-13:50 SUMMARY AND HIGHLIGHTS OF THE LAST 12 YEARS OF MARINE MESOCOSM RESEARCH: A PRELIMINARY REVIEW (ID 320)**  
Tsagaraki, T.M., Pitta, P. et al ...

**13:50-16:00 Poster Session - Light Lunch**

**16:00 Shuttle Bus (HCMR to Astoria Kapsis Hotel) – Free Afternoon**

**20:00 Symposium Dinner**

### Friday, October 19<sup>th</sup> 2012

**09:00 Shuttle Bus (Astoria Kapsis Hotel to Knossos Palace)**

**9:30-11:30 Knossos Palace visit**

A guided tour of the unique Palace of Knossos, built in 2000 B.C, excavated and in part restored by Sir Arthur Evans in 1900. At Knossos, center of the great Minoan Civilization, we visit the Royal Palace of King Minos, see the mythical Labyrinth associated with Ariadne and the Minotaur (sacred bull), and how the Minoans lived and worked.

NOTE :

There is a charge for the ticket for Knossos, it is 6€ per person

**11:30 Shuttle Bus to HCMR (from Knossos Palace)**

**12:00-13:00 Invited Talk Prof. Herwig Stibor, LMU, Munich, Germany**

**EXPERIMENTAL MANIPULATION OF PLANKTON POPULATION CHARACTERISTICS IN FRESHWATER MESOCOSMS (ID 004)**

**13:00-14:30 Lunch Break**

**14:30-14:50 A MESOCOSM EXPERIMENT TO TEST ORGANIC VS. INORGANIC NUTRIENT LOADING EFFECTS ON THE PELAGIC MICROBIAL FOOD WEB OF LAKE GEORGE, NEW YORK (ID 315)**

Berger, S.A., Frischer, M.E., Nejtgaard, J.C., Ahrens, L.E., Farrell, J.L., Tenenbaum, N., Nierzwicki-Bauer, S.A.

**14:50-15:10 EFFECTS OF RIVER DISCHARGE ON GROWTH, MICROZOOPLANKTON GRAZING, AND VIRAL LYSIS OF PLANKTONIC MICROORGANISMS DURING A MESOCOSM EXPERIMENT (ID 311)**

Pecqueur, D., Vidussi, F., Mas, S., Roques, C., Le Floc'h, E., Fouilland, E., Mostajir, B.

**15:10-15:30 PRELIMINARY RESULTS ON THE IMPACT OF SAHARAN DUST ON THE MICROBIAL FOOD WEB OF THE OLIGOTROPHIC EASTERN MEDITERRANEAN SEA (ID 317)**

Pitta, P., Tsagaraki, T.M., Giannakourou, A., Lagaria, A., Psarra, S., Tanaka, T., Tsapakis, M., Tsiola, A., Papageorgiou, N., Rahav, E., Berman-Frank, I., Herut, B.

**15:30-15:50 CARBON FLUX THROUGH THE PLANKTON FOOD WEB IN WARMER, HIGH-CO<sub>2</sub> OCEANS (ID 310)**

Winder, M., Bermúdez, J.R., Hansen, T., Thompson, E., Brandes, J., Berger, S., Frischer, M.

**15:50-16:10 HOW ARE BENTHIC COMMUNITIES AFFECTED BY TERRESTRIAL RUNOFF, DEPTH AND FISH PRESENCE? – A MESOCOSM STUDY INCLUDING BENTHIC SUBSTRATE AT DIFFERENT DEPTHS (ID 221)**

Liess, A., Reichstein, B., Guo, J., Uzko, W., Thomsson, G., Rowe, O., Faithfull, C., Francoeur, S.N.

**16:10-16:30 SOLBERGSTRAND ROCKY LITTORAL MESOCOSMS: BASIC DESCRIPTIONS AS WELL AS PAST, PRESENT AND FUTURE USE (ID 308)**

Kraufvelin, P., Christie, H.

**16:30-17:00 Coffee break**

**17:00-18:30 Round Table and Closing Remarks**

**18:30 Shuttle Bus (HCMR to Astoria Kapsis Hotel)**

# POSTER PRESENTATIONS

Presentation Period: 13:50-16:00 Thursday, October 18th, 2012

## Poster Session 1

|        |   |
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| ID 101 | <b>CONCEPTUAL DESIGN OF MOBILE AUTONOMIC MESOCOSM PLATFORM FOR COASTAL LAGOON RESEARCHES</b><br><u>Sulcius, S., Dyachkov, V., Paskauskas, R., Mickeviciene, R.</u>  |
| ID 106 | <b>THE COMBINED EFFECTS OF OCEAN WARMING AND ACIDIFICATION ON BENTHIC COMMUNITIES OF THE BALTIC SEA</b><br><u>Sokol, S., Guy-Haim, T., Rilov, G., Wahl, M.</u>  |
| ID 108 | <b>MICROEUKARYOTES DIVERSITY AND COMMUNITY COMPOSITION IN LAKES ALONG A LONGITUDINAL GRADIENT (BioGrad project)</b><br><u>Rasconi, S., Andersen, T., Striebel, M.</u>   |
| ID 109 | <b>A COMPARATIVE STUDY OF CLIMATE CHANGE EFFECTS ON LEVANT AND BALTIC BENTHIC COMMUNITIES USING MESOCOSM TECHNOLOGY</b><br><u>Guy-Haim, T., Sokol, S., Rilov, G., Wahl, M.</u>  |
| ID 113 | <b>MOBICOS – A NEW PLATFORM FOR INTERDISCIPLINARY WATER RESEARCH</b><br><u>Norf, H., Borchardt, D., Weitere, M.</u>   |
| ID 115 | <b>MICROZOOPLANKTON ABUNDANCE IN MESOCOSMS AND THE ADJACENT FJORD DURING THE PHAEONIGMA EXPERIMENT: COMPARISON OF FLOWCAM AND MICROSCOPIC ESTIMATES</b><br><u>Madhusoodhanan, R., Stoecker, D., Sulcius, S., Jakobsen, H.H., Nejstgaard, J.C.</u> |
| ID 116 | <b>THE INFLUENCE OF ENCLOSURE DIMENSIONS ON MICROBIAL FOOD WEB DYNAMICS IN EASTERN MEDITERRANEAN</b><br><u>Sousoni, D., Kostopoulou, V., Santi, I., Divanach, P., Pitta, P.</u>   |

## Poster Session 2

|        |  |
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| ID 203 | <b>TEMPERATURE AND NUTRIENT SUPPLY EFFECTS ON PELAGIC BIODIVERSITY AND PRODUCTIVITY</b><br><u>Lewandowska, A.M., Boyce, D., Matthiessen, B., Sommer, U., Worm, B.</u>  |
| ID 204 | <b>CONTROLS ON SURFACE DINITROGEN FIXATION ACROSS THE MEDITERRANEAN DURING SPRING</b><br><u>Rahav, E., Herut, B., Levi, A., Mulholland, M., Berman-Frank, I.</u>   |
| ID 205 | <b>SHORT-TERM EFFECTS OF PHOSPHORUS ADDITION TO BACTERIOPLANKTON COMMUNITIES OF THE P-STARVED EASTERN MEDITERRANEAN</b><br><u>Fodelianakis, S., Thingstad, T.F., Kassapidis, P., Pitta, P., Karakassis, I., Ladoukakis, E.</u>   |
| ID 206 | <b>EFFECTS OF LIGHT AVAILABILITY ON MIXOTROPHY AND MICROZOOPLANKTON GRAZING IN AN OLIGOTROPHIC PLANKTON FOOD WEB: EVIDENCES FROM A MESOCOSM STUDY IN EASTERN MEDITERRANEAN WATERS</b><br><u>Calbet, A., Martínez, R.A., Isari, S., Zervoudaki, S., Nejstgaard, J.C., Pitta, P., Sazhin, A.F., Sousoni, D., Gomes, A., Berger, S.A., Tsagaraki, T.M., Ptacnik, R.</u> |
| ID 208 | <b>TURBOT LARVAL DEVELOPMENT IN SEMI-EXTENSIVE AQUACULTURE MESOCOSMS: EFFECTS OF PHYTOPLANKTON AND ZOOPLANKTON COMPOSITION</b><br><u>Jepsen, P.M., Blanda, E., Jakobsen, H.H., Novac, A., Hansen, B.W.</u>   |
| ID 209 | <b>ABIOTIC FACTORS AND TROPHIC CASCADES IN GRAZER AND MICROBIAL FOOD WEBS AS DRIVING FORCES OF BACTERIOPLANKTON STRUCTURE IN EXPERIMENTAL FISH PONDS</b><br><u>Kalcheva, H., Tersiyiski, D., Ivanova, A., Kalchev, R.</u>  |
| ID 213 | <b>FEEDING RESPONSE OF THE CALANOID COPEPOD <i>Clausocalanus furcatus</i> (Brady, 1883) UNDER DISTINCT LIGHT CONDITIONS</b><br><u>Isari, S., Zervoudaki, S., Saiz, E., Calbet, A., Martínez, R.A., Sousoni, d., Nejstgaard, J.C., Ptacnik, R.</u>  |
| ID 214 | <b>EXPERIMENTAL ANALYSES OF A NEGLECTED PELAGIC FOOD WEB MODULE</b><br><u>Behl, S., Stibor, H., Wollrab, S., Le Goff, M., Beker, B., Pondaven, P., Dawson, M.</u>  |
| ID 215 | <b>DOC VARIABILITY IN RELATION TO MICROBIAL COMMUNITIES UNDER DIFFERENT STRESS CONDITIONS OF NUTRIENT AVAILABILITY AND DECREASED pH.</b><br><u>Aparicio-Bernat, F.L., Borrull, E., Calvo, E., Pelejero, C., Sala, M.M., Gasol, J.M., Marrasé, C.</u>   |
| ID 217 | <b>PROKARYOTIC AND EUKARYOTIC PICOPLANKTON AND VIRAL RESPONSE TO INORGANIC VS ORGANIC PHOSPHORUS ADDITIONS IN THE OLIGOTROPHIC CRETAN SEA</b><br><u>Tsiola, A., Pitta, P., Mas, S., Magiopoulos, I., Pete, R., Mostajir, B.</u>  |
| ID 219 | <b>RELATIVE IMPORTANCE OF MIXOTROPHY ALONG GRADIENTS OF LIGHT AND LOSS-RATES</b><br><u>Fischer, R., Hillebrand, H., Ptacnik, R.</u>  |

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|-------------------------|---|
| ID 224                  | <b>DYNAMICS OF PROKARYOTIC COMMUNITY GROWTH IN RESPONSE TO SKELETONEMA/PHAEOCYSTIS BLOOM SUCCESSION</b><br><u>Romanova, N., Tsiola, A., Frischer, M.E.</u>  |
| ID 225                  | <b>DIEL DYNAMIC OF PLANKTONIC BACTERIA AND VIRUSES DURING A MICROZOOPLANKTON GRAZING EXPERIMENT BASED ON THE DILUTION APPROACH</b><br><u>Sulcius, S., Madhusoodhanan, R., Stoecker, D., Nejstgaard, J.C., Jakobsen, H.H.</u>  |
| ID 226                  | <b>CONTRASTING EFFECTS OF DOC INPUT ON PLANKTON DEPENDING ON P LIMITATION LEVELS</b><br><u>Narcy, F., De Schryver V., Leynaert, A., Floch' Lay, A., Stibor, H.</u>  |
| ID 230                  | <b>PHYTOPLANKTON RESPONSES TO ORGANIC VERSUS INORGANIC PHOSPHORUS ADDITIONS IN THE OLIGOTROPHIC EASTERN MEDITERRANEAN SEA: PRELIMINARY RESULTS OF THE LAGRANGIAN MESOCOSM PLATFORM DEPLOYED IN THE CRETAN SEA (SEPTEMBER 2011)</b><br><u>Psarra, S., Vidussi, F., Le Floch'h, E., Tsapakis, M., Dafnomili, E., Zivanovic, S., Pitta, P., Mostajir, B.</u> |
| <b>Poster Session 3</b> |   |
| ID 306                  | <b>SYNERGISTIC EFFECTS OF TEMPERATURE AND OCEAN ACIDIFICATION ON A NATURAL PHYTOPLANKTON COMMUNITY OF THE BALTIC</b><br><u>Sett, S., Bach, L., Riebesell U., Schulz, K.G.</u>   |
| ID 309                  | <b>CLIMATE DRIVEN INCREASE OF RIVER-BOUND DISSOLVED ORGANIC MATTER AND INCREASED MIXED DEPTH WILL REDUCE PRIMARY PRODUCTION</b><br><u>Bämstedt, U., Wikner, J., Håkansson, A., Larsson, P.</u>  |
| ID 312                  | <b>IMPACT OF RIVER DISCHARGE ON BACTERIAL POPULATION DYNAMICS IN LAGOON WATERS: A MESOCOSM EXPERIMENT</b><br><u>Liu, H., Jing, H., Fouilland, E., Le Floch'h, E., Mas, S., Pecqueur, D., Rochelle-Newall, E., Vidussi, F., Mostajir, B.</u>   |
| ID 313                  | <b>EFFECTS OF ANTHROPOGENIC STRESSORS ON CALANUS FINMARCHICUS REPRODUCTION AND FEEDING</b><br><u>Fiori, E., Simonelli, P., Vestheim, H., Hylland, K.</u>  |
| ID 314                  | <b>ORGANIC vs. INORGANIC NUTRIENT EFFECTS ON PHYTOPLANKTON BIOMASS, SPECIES COMPOSITION AND DIVERSITY IN LAKE GEORGE, NEW YORK</b><br><u>Tenenbaum, N., Nierzwicki-Bauer, S.A., Frischer, M.E., Nejstgaard, J.C., Berger, S.A.</u>  |
| ID 319                  | <b>PHYTOPLANKTON COMMUNITY RESPONSES TO OCEAN ACIDIFICATION IN THE OLIGOTROPHIC SOUTH CHINA SEA</b><br><u>Gao, K., Xu, J., Gao, G., Li, Y., Hutchins, D.A., Huang, B., Wang, L., Zheng, Y., Jin, P., Cai, X., Häder, D.P., Li, W., Xu, K., Liu, N., Riebesell, U.</u>   |

**Session themes:**

**Theme 1:** Experimental design, setup & challenges, Statistical design, Replicates, Mixing, Manipulations, Scaling Extrapolations from experiment to nature, Metacommunity and metaecosystem ecology.

**Theme 2:** Understanding food web interactions and ecosystem functioning, Examining food web dynamics: Nutrient pathways, Carbon flow, Trophic interactions, Food quality, Energy transport to higher trophic levels, Stoichiometry.

**Theme 3:** Ecosystem response to perturbation, Understanding effects of high level perturbation at an ecosystem level: Warming, Acidification, Air-water interactions, Dust, Oil spills, Toxins, Eutrophication, Stressors in aquatic environments.



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