

## “Advancing knowledge on seaweed growth and development”

### *Invitation to PHYCOMORPH network event*



Kavala City



Nea Peramos City

### The COST Action PHYCOMORPH

(<http://www.phycomorph.org/>)

invites to a

**Workshop (Feb. 15-16, 2016)**

&

**Training School (Feb. 17-19, 2016)**

in Fisheries Research Institute

([www.inale.gr](http://www.inale.gr/)),

Hellenic Agricultural Organization-  
DEMETER,

in

Nea Peramos, Kavala, Greece

The workshop and Training School will focus on macroalgae which are either models for basic research in developmental phycology or cultivated seaweeds. Seaweed mariculture is often considered as the most environmentally friendly form of aquaculture: it requires little or no input of fertilisers, does not cause any major physical alterations of the environment, and can be used to mediate eutrophication and pollution. Therefore, seaweeds can be considered as an alternative, additional source of food, feed, fuel and livelihood for humans. Seaweed cultivation, a basement for seaweed aquaculture, needs to be further improved and major bottlenecks to be solved.

**-Workshop on macroalgal development and cultivation (2 days)**

**- Training School on macroalgal in vitro and tank cultivation (3 days)**

Registration here (still open only for the Workshop): <http://goo.gl/forms/OHBNsyNNmM>

Aim: To develop new technological tools of seaweed developmental biology and transfer the current ones to seaweed species newly identified for aquaculture purpose with a special focus on integrated multitrophic aquaculture (IMTA). Plenary sessions and restricted practical work with experts in macroalgal cultivation, both phycologists skilled in the physiology and metabolism of macroalgae, and aquaculture experts more aware of outdoor and tank equipment dedicated to large-scale cultivation.

Possible participants: Network members, invited and selected researchers, aquaculturists and policy makers. All events will take place at Fisheries Research Institute, Nea Peramos, Kavala, Greece (<https://www.google.gr/maps/@40.8559347,24.3156409,84m/data=!3m1!1e3>).

**The meeting is organized locally by:**

Fisheries Research Institute (HAO-DEMETER): Dr. Sotiris Orfanidis [[sorfanid@inale.gr](mailto:sorfanid@inale.gr)]

National and Kapodistrian University of Athens: Prof. Christos Katsaros [[ckatsaro@biol.uoa.gr](mailto:ckatsaro@biol.uoa.gr)]

## PROGRAMME OF THE FIRST PHYCOMORPH WORKSHOP

Nea Peramos, Kavala, FRI, 15-16 February 2016  
Local organizers: Sotiris Orfanidis & Christos Katsaros

### Monday 15 February, 2016

Chaired by	Time	Name	Organization	Title of talk
	08:00	Departure from Hotels, Kavala Center to Nea Peramos		
	08:30	Registration		
	09:00-09:10	Sotiris Orfanidis	FRI (HAO-DEMETER), Greece	Welcome
	09:10-09:30	Argyris Kallianiotis	Director, FRI (HAO-DEMETER), Greece	Fisheries Research Institute: Projects and research activities
	09:30-10:00	Christos Katsaros	University of Athens, Greece	Phycomorph: Current status and progress
Analisa Falace	10:00-10:30	Coffee		
	10:30-11:00	Olivier de Clerck	Ghent University, Belgium	Culturing and fertility induction in brown algae: focussing on Dictyota
	11:00-11:30	Benedicte Charrier & Christos Katsaros	CNRS Station Biologique Roscoff	A brown alga for basic research: <i>Ectocarpus</i> cultivation, life cycle and genetics
	11:30-12:00	Anne Weiss		Signalling and gametogenesis in <i>Ulva</i> : Tips and tricks to control the life cycle to establish stable cultures
	12:00-12:30	Sara Kaleb	University of Trieste, Italy	Red calcareous algae cultivation: effects of abiotic parameters
	12:30-13:30	Group photo and site seeing tour in Institutes labs		
Christos Katsaros	13:30-15:00	Lunch		
	15:00-15:30	Annalisa Falace	University of Trieste, Italy	Morpho-functional study and transplantation essays of <i>Cystoseira</i> spp. in the Adriatic Sea
	15:30-16:00	Rita Araújo	CIIMAR, Portugal	Strain selection for seaweed cultivation based on intraspecific phenotypic and ecophysiological traits
	16:00-16:30	Isabel Azevedo	CIIMAR, Portugal	Influence of light quality on growth and carotenoid content of <i>Laminaria ochroleuca</i> seedlings from north Portugal
Rita Araujo	16:30-17:00	Coffee		
	17:00-17:30	Olympia Nisiforou	University of Technology, Cyprus	Cultivation of Macroalgae in Swine Wastewater
	17:30-18:00	Nazli Mert	Dokuz Eylul University, Turkey	Stimulation of steviol glycoside accumulation in <i>Stevia rebaudiana</i> by caulerpin from invasive <i>Caulerpa cylindracea</i>
	18:00-18:30	Sotiris Orfanidis, Konstantina Nakou, & Apostotos Papadimitriou	FRI (HAO-DEMETER), Greece	Short and long-term responses of two <i>Cystoseira</i> species to abiotic factors: temperature, photoperiod, nutrients
	18:30	Departure to Hotels		
	20:00	Dinner in a Greek tavern (it costs 20 Euros)		

## Tuesday 16 February, 2016

Chaired by	Time	Name	Organization	Title of talk
	08:00	Departure from Hotels, Kavala Center to Nea Peramos		
Sotiris Orfanidis	08:30-09:00	Amir Neori	Israel Oceanographic & Limnological Research Institute Ltd., Eilat, Israel	IMTA: Present and future perspectives in Europe
	09:00-09:30	Tim Atack	Managing Director, Viking Fish Farms Ltd., Scotland	Perspectives of seaweed cultivation in Europe: an example from Scotland hatchery
	09:30-10:00	Alvaro Israel	Israel Oceanographic & Limnological Research Institute Ltd., Haifa, Israel)	Seaweed resources and exploitation possibilities in Israeli and Eastern Mediterranean coasts
Olivier de Clerck	10:00-10:30	Coffee		
	10:30-11:00	Teis Boderskov	Independent Researcher, Denmark	Cultivating <i>Saccharina latissima</i> in Europe - current status and key challenges
	11:00-11:30	Tristan Legoff	CEVA, France	Seaweed cultivation in France: Recent technical developments
	11:30-12:00	Tiina Paalme	Estonian Marine Institute University of Tartu, Estonia	Pilot study of the red alga <i>Furcellaria lumbricalis</i> cultivation in the northern Baltic Sea
	12:00-12:30	Cecilia Biancacci	SAMS, UK	Establishment of <i>Osmundea pinnatifida</i> mari-culture
	12:30-13:00	Brahim Sabour	University Chouaib Doukkali, Morocco	Opportunities in Seaweeds exploitation from the Atlantic coast of Morocco
Kenny Bogaert	13:00-14:30	Lunch		
	14:30-15:00	Ricardo Bermejo	University of Cádiz, Spain	Raft culture of seaweeds in salt ponds in the Bay of Cadiz
	15:00-15:30	Josefina Sánchez	University of Cádiz, Spain	Macroalgal outdoor cultivation in the bay of Cadiz and its importance for the food industry
	15:30-16:00	Coffee		
	16:00-16:30	Helena Abreu & colleagues	ALGApplus, ltd, Portugal	Research & development of seaweed cultivation and production in ALGApplus
	16:30-17:30	Closure		
	17:30	Bus departure to Hotels		