



HONG KONG OYSTER HATCHERY

KICK-OFF MEETING

27 MAY, 2022
THE UNIVERSITY OF HONG KONG



Meeting Description

As demand for sustainably produced seafood with much reduced carbon footprint like oysters is rapidly growing. China is accounting >85% of global oyster production. Sustainable production of this precious seafood in coastal areas of China and Hong Kong, is however severely hindered by coastal modification, seasonal shift in temperature and salinity due to climate change, pollution and emerging pathogens. Therefore, there is an urgency to identify an oyster strain with relatively high stress tolerance and immune resistance power to overcome at least some of these novel human-induced environmental constraints. Then, their seed production should be enhanced using hatchery technology. As part of this national effort, in Hong Kong, we are setting up an oyster hatchery at research scale to kick-off our effort to develop new technology to sustain oyster aquaculture in the region. In this meeting, we have invited oyster hatchery and aquaculture experts from northern, middle and southern part of mainland China, and also an entrepreneur,

- To discuss about oyster hatchery and its relevance for sustainable aquaculture with Hong Kong's oyster growers, government agency, industry, NGO's, researchers, and other stakeholders;
- To show the proposed oyster hatchery floor plan, and our operational protocol; and
- To identify ways through which the proposed Hong Kong hatchery could be integrated with national effort to develop sustainable oyster aquaculture with global perspective.

Schedule

Friday (May 27) - Venue: CBC, Chow Yei Ching Building HKU

09:00: Registration

09:15: Opening ceremony

Morning session—Venue: CBC, Chow Yei Ching Building HKU

09:30: Proposed Oyster hatchery in Hong Kong

10:00: Oyster hatchery and aquaculture in Shandong

10:45: Oyster hatchery and aquaculture in Fujian

11:30: Oyster hatchery and aquaculture in Guangdong

12:15: Oyster Hatchery in Malaysia: impact case study

Afternoon session - Venue: Swire Institute of Marine Science

15:00: Innovation and Entrepreneurship in aquaculture

16:00: Conclusion and closing remark

Invited Speakers

Li Li, Institute of Oceanology, CAS, Qingdao

Weiwei (Chris) You, Xiamen University, Xiamen

Zinu Yu, South China Sea Institute of Oceanology, Guangzhou

Shu Xiao, South China Sea Institute of Oceanology, Guangzhou

Wong Chin Poh (Alan), Seaharvest Aquamarine Sdn Bhd, Malaysia

Law Ho Ka (Meko), Soonlution Technology Limited, Hong Kong

Organizer

Rajan, The University of Hong Kong

Hong Kong Oyster Hatchery & Innovation Research Unit
(HKO-HIRU)

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Registration

Ms. Jessie Lai (Secretariat); Email: hylaia@hku.hk

www.hkuoyster.com



SHKU
Science



Co-organizers

Deep Bay Oyster Cultivation Association

Lee Kum Kee Co. Ltd.

Sustainable Fisheries Development Fund - AFCD



香港蠔孵化場 啟動會議

2022年5月27日 香港大學



會議內容

隨著對生蠔等低碳足跡的可持續生產海鮮的需求正在迅速增長。中國占全球生蠔產量的 85% 以上。然而，由於氣候變化、污染，新出現的病原體，海岸改造、溫度和鹽度的季節性變化，中國和香港沿海地區這種珍貴海產品的可持續生產收到了嚴重的阻礙。因此鑑定一種具有相對較高的應激耐受性和免疫抗性能力的生蠔品系刻不容緩，以克服一部分這些由人類活動誘發的新環境挑戰。之後我們應使用孵化技術提高它們的種苗產量。我們正在香港建立一個研究規模的生蠔育苗場，協助我們開發新技術以幫助香港生蠔養殖獲得更好的競爭力。

- 本次會議，我們邀請了來自中國大陸北部、中部和南部地區的生蠔孵化和養殖專家，一位企業家，以及香港的生蠔養殖從業者、政府機構、行業、非政府組織、研究人員和其他持份者討論牡蠣育苗場及其與可持續水產養殖的相關性；
- 展示擬建的蠔孵化場平面圖和我們的運營協議；和
- 確定如何將擬建的香港生蠔育苗場與政府的支持相結合，以全球視角發展可持續蠔水產養殖。

日程

星期五（2022年5月27日） - 地點：香港大學周亦卿樓LG1/F - CBC室

09:00：註冊

09:15：開幕式

上午環節——地點：香港大學周亦卿樓LG1/F - CBC室

09:30：擬建的香港蠔孵化場

10:00：山東當地的蠔苗孵化及養殖

10:45：福建當地的蠔苗孵化及養殖

11:30：廣東當地的生蠔蠔苗孵化及養殖

12:15：馬來西亞蠔苗場，成功案例講解

下午環節——地點：太古海洋科學研究所, 石澳鶴咀

15:00：水產養殖的創新及創業

16:00：總結和閉幕詞

客席講座講者

李莉博士, 中国科学院海洋研究所实验海洋生物学重点实验室

游伟伟博士, 厦门大学近海海洋环境科学国家重点实验室

喻子牛博士, 中国科学院南海海洋研究所, 广州

肖述, 中国科学院南海海洋研究所, 广州

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