

**Target Countries :** a country provided refrigeration systems under fisheries grant aid

**Course No. :** J1804429

**No. :** 1884842

**Sector :** Fisheries/Fisheries Administration

**Sub-Sector :**

**Language :** English

**Outline**

In response to the international requirements of phasing out ozone-depleting refrigerants, this program provides practical training on operation and maintenance of refrigeration systems that use alternative CFCs or natural refrigerant such as ammonia. New types of refrigeration systems including solar-powered ice making machines and NH3-CO2 two-stage refrigeration are also introduced.

Objective/Outcome	Target Organization / Group
<p><b>【Objective】</b> Participants enhance their technical competency on operation and maintenance of refrigeration systems that use alternative CFCs or natural refrigerants.</p> <p><b>【Outcome】</b> 1. Participants acquire necessary knowledge on refrigeration system structures with the use of alternative CFCs or natural refrigerants and to understand its characteristics. 2. Participants acquire necessary skills on maintenance of refrigeration systems with the use of alternative CFCs or natural refrigerants. 3. Participants enhance understanding of new refrigeration systems that can be technically suitable for the environment of developing countries.</p>	<p><b>【Target Organization】</b> Central/ local government organization, fish market or fish port operating and maintaining refrigeration system</p> <p><b>【Target Group】</b> -Technical staff engaged in operation and maintenance of refrigeration systems in fisheries -More than 3 years experiences -Fundamental capability of English / French</p>

Contents	Course Period	2019/3/24~2019/4/19
<p>1-1 Basic knowledge of refrigeration systems in fisheries 1-2 Characteristics and considerations on handling various refrigerants including ammonia.</p>	Course Period	
<p>2-1 Practical training on operation and maintenance of refrigeration systems 2-2 Discussion on participants' experiences and good practices of refrigeration system management</p>	Department in Charge	Rural Development Department
<p>3 Introduction of new refrigeration systems which can be technically suitable for the environment of developing countries</p>	JICA Center	JICA Yokohama
	Cooperation Period	2016~2018

<b>Implementing Partner</b>	Marino Forum 21
-----------------------------	-----------------

<b>Remarks and Website</b>	Course Language JFY2016: English JFY2017: French JFY2018: English
----------------------------	--