

# Abstract

## Oyster farming in Tohoku : post-tsunami restoration and technical adaptation of culture systems

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**Keywords:** Oyster culture, Spats, *Crassostres angulata*, *C. gigas*, Tsunami, Restoration

In the year of 1960's, the oyster culture in France has been entirely destroyed because of the mass mortality in portuguese oyster, *Crassostrea angulata*. But it could resumed by the help of spats exportation urgently from Japan. The quantity of spats of the Japanese oyster, *C. gigas* have been transfered to France by the cultivators of Ishinomaki (Pacific coast of Tohoku, N-East of Japan), under the authority of Japan and France. From that time, the close relationship has been established between oyster cultivators in France and in Japan, mainly from Sanriku area.

On March 11<sup>th</sup> 2011, the Tsunami surged against the coast of Sanriku and ravaged the fisheries installations included the oyster culture.

Just after the disaster, with the solidarity, the organisations of France raise the help to re-construction and activities of marine production in the coast of Sanriku.

By the finances deliverd from several associations (SFJO<sup>1</sup>, ADA<sup>2</sup>) and private partners (Fondation Air Liquide, Rotary Clubs, etc.) we could buy back the essential materiels, microscopes and plankton nets for the Regional Technical Centres. And also by the fisheries committees and groups (Comité Regional d'Oléron, Gambalo Japan de Brest) , life jackets, bouys and ropes were deliverd to the fisheries cooperations of Miyagi and Iwate prefectures. Thanks to the solidarity of French colleagues, the restoration of fisheries and aquaculture have started about four months after the Tunami around the costs of Sanriku and the enduring way of development should be found.

About two years after the disaster, the restoration has accomplished in the scale of 75% of a draft plan (not a scale of before the disaster) on ostreiculture. At the moment, the infrastructure must be reformed urgently (facilities of fishing port, macro debris, water level of the shore and fishing ports, transportation, etc.).

Last year, several groups of oyster farmers have visited France and exchanged their technical informations. To the development of oyster culture in each country, the exchange of new culture techniques and informations about the diseases are expected.

SFJO<sup>1</sup>: Société franco-japonaise d'Océanographie  
Association pour le Développement de l'Aquaculture

ADA<sup>2</sup>: