



Report on Sustainable Abalone Aquaculture Workshop

SUDEVAB final results,

Aber Wrac'h, 29870 Landéda, France

France, October 20, 2010



Sustainable Abalone Aquaculture Workshop on SUDEVAB final results

Centre de conference des Abers, Port de l'Aber Wrac'h,
29870 Landéda, France
October 20, 2010 from 08:00 to 18:00

Organizer: Sylvain Huchette

This one day workshop explored key aspects of abalone aquaculture, its challenges and opportunities in an international context based on the results obtained within the European project "SUDEVAB". After a visit to the grow-out installations of "France Haliotis" abalone farm, the audience was brought up to date on the SUDEVAB project and its key research elements. The rest of the workshop focused on describing the results obtained within each research area covered by the project.

The innovative aspects of the workshop was due to its focus on the specificity of abalone culture in Europe, making a point on highlighting its sustainability, and report the data to a broad range community brought together for the event.

The presentations and discussions focused on various aspects such as: pathology, more specifically the impacts of the bacteria *Vibrio harveyi*, genetics, describing the characteristics of European abalone and nutrition, discussing the uses of macroalgae and vegetal based artificial diets. Finally the technical results of commercial farming in Europe were discussed together with an economical and marketing analysis. The format and scope of the workshop served to ensure that a broad range community including scientists, students, shellfish producers, governmental organisations and scientific divulgation organisations could benefit from the results and contribute to discussions on future abalone production in Europe

Discussions were taken further on the benefits and future of sustainable abalone production in Europe through participation of the audience and interactions with the project partners.

More informations are available on the SUDEVAB website: <http://www.sudevab.eu>





SUDEVAB

Sustainable Development of European
SMEs Engaged in Abalone Aquaculture
www.sudevab.eu

Sustainable abalone aquaculture

Symposium on project final results

20th of October 2010

9h00-18h00

Aber Wrac'h

France

Free - For further information and registration:

Sylvain HUCHETTE,

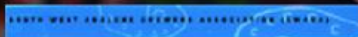
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France Haliotis

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Event hosted by:



SUDEVAB is funded by the financial support of the Commission of the European Communities under the EC's Seventh Framework Programme (FP7, 2007-2013) in the grant-funded Capacities Programme — Research for the Benefit of Specific Groups (in particular SMEs).

1. Workshop Theme

The theme of the workshop follows the need to understand the necessities and specificity of abalone culture in a European context and its ability to be performed following a sustainable approach. This workshop is organized by Sylvain Huchette (technical coordinator of the SUDEVAB project) and is part of the divulgation efforts that have been developed, within the SUDEVAB project, in order to disseminate the results obtained.

2. SUDEVAB Background

SUDEVAB was set up in order to bring together the main producing SMEs and leading RTD providers from the abalone aquaculture sector, to build up a project to develop sustainable abalone aquaculture in Europe while solving the significant technological problems facing producers, increasing production as well as competitiveness.

The core of the research work of SUDEVAB was aimed at solving the main technical problems encountered by abalone growers in Europe in the areas of pathology, genetics, nutrition, and sustainable culture technology as well as legislation, hygiene and food safety and marketing issues.

3. Workshop Objectives

The emphasis on sustainable farming techniques for abalone within a European context in the SUDEVAB workshop served to direct attendees' attention toward this shellfish culture, its challenges and opportunities within the European context. The workshop focused on the presentation of sustainable farming techniques taking into account the necessities, specificities and considering the possible future benefits of a European abalone production.

The unique format and scope of this workshop was designed to ensure that the results were disseminated and that a broad range of shellfish producers, scientists, technical and governmental organisations contribute to the discussions on abalone culture and its methods and future development. The activity was also thought to connect more closely the diverse communities dealing with abalone culture in different ways, thus enhancing dialog and an important partnership necessary for the further development of the culture of that species.

4. Workshop summary

After a visit to the grow-out installations of "France Haliotis", the audience was brought up to date on the SUDEVAB project and its key research elements. The rest of the workshop focused on describing the results obtained within each research area covered by the project.

The presentations and discussions focused on various aspects such as: pathology, more specifically the impacts of the bacteria *Vibrio harveyi*, genetic issues, describing the characteristics of European abalone and nutrition, discussing the uses of macroalgae and vegetal based artificial diets. Finally the technical results of commercial farming in Europe were discussed together with an economical and marketing analysis. The format and scope of the workshop served to ensure that a broad range community including; scientists, students, shellfish producers, governmental organisations and scientific divulgation organisations could benefit from the results and contribute to discussion on future abalone production in Europe.

Discussions were taken further on the benefits and future of sustainable abalone production in Europe through participation of the audience and interactions with the project partners.

The participants agreed on the necessity of such a workshop and stated that it enabled to go one step beyond in the development of abalone culture therefore having a positive impact.

5. Workshop Details

This one-day workshop was held at the Centre de conference des Abers, in Aber Wrac'h, France, on October 20th 2010 from 8:00 to 18:00. The workshop offered an agenda of project partners speakers sharing their expertise in the various themes developed throughout the SUDEVAB project. Time was allocated for discussions and interactions with the audience in order to exchange views and provide future possible approaches to abalone culture in Europe. Workshop presentations are made available on the SUDEVAB website at www.sudevab.eu. Ninety participants from a broad range of expertise attended the workshop (see 7. Workshop attendees)

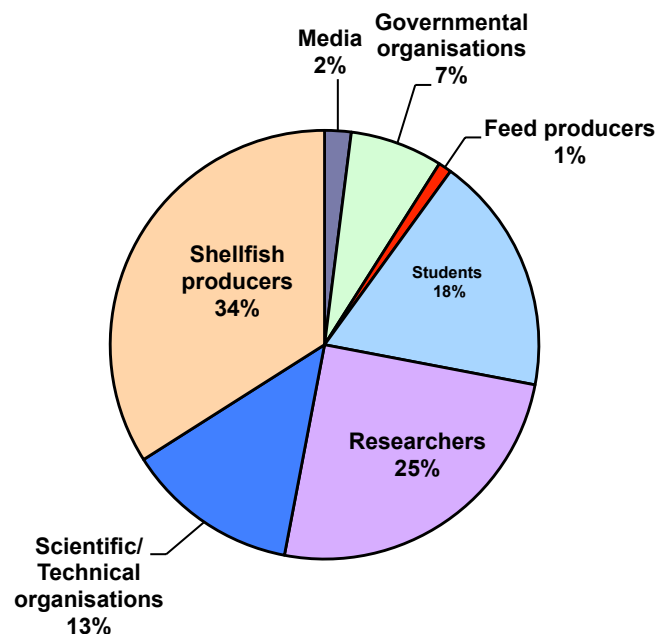
6. Sponsorship

The organizations and agencies listed below are acknowledged for providing financial, organizational and/or logistical co-sponsorship of the SUDEVAB workshop and hosting it:

- France Haliotis
- Jersey Sea Farms Ireland (JSFI)
- South West Abalone Growers Association (SWAGA)
- Aqua-Gold Fisheries GmbH (AGG)
- Technopôle Quimper-Cornouaille
- Pôle Mer Bretagne
- Grupo de Investigación en Acuicultura (GIA, ULPGC)
- Martin Ryan Institute (MRI)
- Centre National de la Recherche Scientifique (CNRS)
- Ifremer - Laboratoire de Génétique et Pathologie (LGP)

7. Workshop attendees

Ninety participants from a broad range of expertise, represented below, attended the SUDEVAB workshop. The presented results were divulged through a wide coverage in the media, with radio and television interviews as well as articles in specialised and national press.



8. Symposium schedule

8 :00	Xavier Lesage and Iain MacKenzie Sproat (France Haliotis) Visit of France-Haliotis concessions: Departure from Aber Wrac'h port	WP
9:40	Martin Syvret (SME partner) SUDEVAB: overview of project and key research elements	WP1 & 2
10:00	Tony Legg (SME partner) Assessment of uptake of food contamination organisms by abalone (<i>Haliotis tuberculata</i>) in actual production areas and in comparative laboratory tests	WP3
10:20	Questions	
10:30	Coffee break and poster session	
11:00	Christine Paillard (Researcher CNRS/IUEM) Genetic variability and selection of abalone (<i>Haliotis tuberculata</i>) strains for a better resistance to their specific pathogens	WP4
11:20	Tristan Renault (Researcher IFREMER) Identifying pathogens in farmed stocks	WP4
11:40	Erika Burioli (PhD Student, University of Bologna) Polychaete infestation in farmed and wild abalone	WP4
12:00	Benoit Cudennec (Researcher CNRS/IFREMER) Abalone cell cultures as tools for <i>in vitro</i> pathogenicity assays	WP4
12:20	Questions	
12:30	Lunch	
14:00	Valérie Roussel (Researcher CNRS) Genetic resources of European abalone	WP5
14:20	Valérie Roussel (Researcher CNRS) The European Abalone: first steps of a MAS (Marker Assisted Selection) program	WP5
14:40	Sylvain Labarre (France Haliotis – SME partner) First step of genetic selection in France	WP5
15 :00	Anna Soler and Mapi Viera (Researchers Irish seaweed center NUIG, GIA) Seaweeds, food for thought!	WP6 & 7
15:20	Gercende Courtois de Viçose (Researcher GIA) Development of various seaweed-based diets and their suitability for European abalone	WP6
15:40	Sylvain Huchette (Technical coordinator France Haliotis) Commercial farming trials of abalone (<i>Haliotis tuberculata</i>) in offshore and intertidal sea cages	WP7
16:00	Questions	
16:10	Coffee break and poster session	
16:40	Tony Legg (SME partner) European abalone Marketing	WP9
17:00	Sylvain Huchette (Technical coordinator France Haliotis) Technical and economical analysis abalone farming systems in Europe	WP7
17:20	Round Table: The future of abalone farming in Europe – how can we make it more sustainable?	
17:45	Conclusion	