

## AQUA-TNET3

Promoting innovation and a European dimension through Lifelong learning in the field of Aquaculture, Fisheries and Aquatic Resource Management – Thematic Network

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### **Deliverable Number: 5.C.1.1**

*Sub group C - core group meeting, Year 1*

**Workpackage(s) concerned:** WP5

**Nature of deliverable:** Other

<b>Due date</b>	<b>Initial Submission date by M. Eleftheriou</b>	<b>2<sup>nd</sup> reviewer date</b>	<b>Date accepted by Management</b>
M3	M7(April 2012)		

**Dissemination level:** PU

<b>PU</b> Public	<b>X</b>
<b>RE</b> Restricted to other programme participants (including the Commission Services)	
<b>CO</b> Confidential, only for members of the consortium (including the Commission Services)	

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## SUMMARY

### Objectives:

The main drive of WP5 which comprises three sub-groups is to update, upgrade and present the work of each sub-group to a new audience.

WP5 sub-group leaders are requested to report on progress and issues since the first Steering Group Meeting in January 2012. In preparation for the meeting all participants are requested to review their YEAR 1 tasks and deliverables and to prepare a short presentation which will include the agenda for the sub-group core group meeting.

**Rationale:** Each of the sub-groups has a clear agenda for finalizing its products. To this end, the organisation of a series of international workshops is envisaged as one of the main tasks of WP5.

### Results:

- To provide "real content" as Learning Objects via workshops with hands-on experience for participants to create and use LOs in their own teaching environment;
- PESCALEX Language developed as multi-lingual iPad application (iMovie with audio), thereafter to be demo'd in workshop (new LdV proposal submitted for funding this workshop);
- Creation of online framework for resource sharing

### Teams involved:

Margaret Eleftheriou	AMC Ltd, Ireland
Annie Heral	AMC Ltd, Ireland
Tasso Eleftheriou	AMC Ltd, Ireland
Sonia Seixas (sub-group A)	Universidade Aberta, Portugal
Kristín Ósk Jónasdóttir	University, Westfjords, Iceland
Kim Jauncey (sub-group B)	University of Stirling, UK
Bernd Ueberschär (sub-group C)	IfM-GEOMAR, Germany
Jean Dhont	Ghent University, Belgium
Clive Dove	INNOVAMAR, Spain
John Bostock	University of Stirling, UK
Guðmundur Örn Ingólfsson	AQIM, Denmark
Michael Moulton	UMB, Norway

**Geographical areas covered:** Not applicable

## Minutes (final)

WP5 contains three sub-groups with separate agendas, linked by their joint overall objective, to complete and finalise previous work, and for the completed deliverables to be disseminated in separate international workshops. WP5 Core group meetings are therefore minuted in a distinctive format which records both the general group discussion as well as the specific sub-group discussions. The whole group discussions are recorded after the specific Sub-group discussion and decisions.

The meeting opened at 9.45hrs with round-table introductions followed by an overview of the project: results and achievements of previous project were outlined, current progress was reported, and future events, especially the Annual Event, were briefly commented on (full report below).

### **Sub-group C (B. Ueberschaer) - main tasks:**

- To provide "real content" as Learning Objects via workshops with hands-on experience for participants to create and use LOs in their own teaching environment;
- PESCALEX Language developed as multi-lingual iPad application (iMovie with audio), thereafter to be demo'd in workshop (new LdV proposal submitted for funding this workshop);
- Creation of online framework for resource sharing
  - 1<sup>st</sup> contribution – aquaculture farming case studies;
  - Learning Objects using AKVACASE 2, shown as template, with video, animations, etc.
  - Other proposed topics are farm food chain, production of fish, certification, processing, shipping, supermarket issues, including consumer behaviour.
  - University of Gent has aquaculture learning object database which could be used.
  - TACCLE project can help in organizing process-based workshops for:
    - a) text/images (Word docs, slide presentations, Wikis such as Aquatext & Fishbase)
    - b) traditional media (recorded audio podcasts streaming of speeches & instructions, interviews, discussions and documentaries);
    - c) social media and shared audiovisuals, i.e., Facebook, Google maps, Myspace, LinkedIn, Aquatour, interactive presentations;
    - d) live audio/video such as Skype, IP conferencing, farm monitoring systems i.e., ADSA in Norway;
    - e) apps using Google Earth in combination with GPS (farm locations, etc.), using social media, Flickr for photo sharing
    - f) game creation

### **Session Summary WP 5 C: Innovative tools and methods (Status: Final)**

Within the core group meeting of WP 5, breakout sessions were organized for each sub- working group. This document provides a summary of the activities of WP 5C during the meeting and the results from the break-out session of WP 5C.

The following partners participated in this session: *Mike Moulton (MM), John Bostock (JB), Clive Dove (CD), Jean Dhont (JD) and Bernd Ueberschär (BU). Other(virtual) participants of the WP 5 C session: Sonia Seixas (SS), Sathappan Saravanan (SS2), Gudmundur Orn Ingolfsson (GOI).*

#### **A) General session**

BU provided a summary about the recent activities and an overview of the plans of WP 5C. The presentation was uploaded to the Basecamp folder. It was stressed again (based on online polls), that up-to- Date ICT is hardly being used in the teaching environment and it was emphasized, that the major goal of WP 5C is to organise a major workshop in order to popularize the application of innovative methods in teaching.

#### **B) Results break-out session**

The following topics were discussed in the session: I.

Team: suggestions to extend the team?

The present core team of WP 5C represents mainly the team of the previous WP 5 and 8 in AquaTNET 2 (Committed member: Mike Moulton, John Bostock, Sonia Seixas, Clive Dove, Jean Dhont, Bernd Ueberschär). The team is looking forward to be able in this combination to tackle the tasks in WP 5C. Nevertheless, it was discussed, if it is useful to consider additional members who can bring even more expertise related to the application of innovative tools and methods for teaching. MM suggested to invite, on an occasional basis, technicians who might bring in deeper knowledge on programming issues (**Action: MM to follow up, All to follow up for potential candidates**).

- II. Didactic methods: shall we adopt the concept of learning objects (LeOb)? Other approaches? (Topic 1)

In the opening session of the AquaTNET 3 kick-off meeting, BU introduced the concept of learning objectives which are communicated (theme orientated) through a compilation of learning objects (LeOb) produced under consideration of ICT. It was discussed, if this concept should be adopted in general related to the goals of the WP 5 C. The decision was, to adopt this approach, however, also to consider learning activities, which may include e.g. that students compile an additional learning object which can be attached to the existing set of LEOB for a theme (**Action: MM to follow up**).

- III. What kind of ICT methods should we consider to achieve our goal?

There are many options and methods which can be used to produce a LEOB under consideration of innovative approaches. CD provided a list of methods which he rated under the header "text and images", "traditional Media" (traditional not in the sense of old fashioned methods...) and "breakthrough media". Text and images are still being considered as indispensable in learning objects but shall be enriched with "living media" (LEOB using ICT). The options under "breakthrough media" might be a bit ahead of what WP 5C can provide, but in the sense that web content produced in WP 5C should be made available for the smartphone environment, this should be considered in WP 5C output (**Action: CD to follow up**).

- IV. The Aquaculture farming case studies (Leading WP 1) as a trial for our approaches; other aquaculture related topics we want to translate into learning objects? (Pescalex extension, language games and tools, Topic 2)?

As a first step, WP 5C will make use of the case studies compiled in WP 1 (different aquaculture farming systems) as a trial how to "translate" the gathered content into learning objects under consideration of ICT (learning objective: Fish Farming, Aquaculture). The result will be used as a showcase in order to demonstrate how learning objects can be presented if innovative methods are being applied. AKVACASE 2.0 can be used as a template and adapted accordingly if necessary for the implementation of LEOBs. BU will be able to take of the adaptation of the existing example into an example to be used as "showcase" in the annual event.

It was discussed, if WP5C can provide more learning objectives and related LEOB beyond the trial. There were several suggestions, CD suggested considering technological advances in aquaculture, e.g. farm monitoring & communication systems (**Action: CD to follow up**).

Other suggestions were to look up for existing aquaculture related content, such as Aquatext ([www.aquatext.com/](http://www.aquatext.com/)), Aquatour ([www.aquamedia.org/home/aquatour\\_en.asp](http://www.aquamedia.org/home/aquatour_en.asp)), Sarnissa ([www.sarnissa.org/tiki-index.php](http://www.sarnissa.org/tiki-index.php)) and to check, how such content can be used in the production of learning objects in WP 5C (**Action: All to follow up, more suggestions?**).

As for PESCALEX (Topic 2), we need to get more details as to what the role of WP 5C shall be in relation to the further development of the language tools and games (**Action: Margaret to follow up**).

University Gent has a repository with aquaculture related content which was obviously not adequately used outside the University. JD will check if these apparently rich resources can be re-used in WP 5 C (**Action: JD to follow up**).

- V. Workshop concept: participants provide their own content; we show how to "translate" it into LEOB? How to organize this goal (e.g. cooperation with the TACCLE project)?

In relation to the major goal of WP 5C, it is extremely important to continue and to extend the workshop concept from AquaTNET 2, it was discussed how to achieve the goal, that participants can bring their own "real" content and go home with ready to use LEOBs for their teaching. A minimum duration of 2-day was considered necessary (BU) to achieve this goal. Apparently, a 2-day workshop (compared to the one-day workshop in AquaTNET 2) has not been reflected in the final budget of AquaTNET 3. Some options were suggested to support such workshops and the preparation: sponsorship for the proposed workshops, and/or making a charge to participants (in addition to seeking further EC funding) (JB).

Cooperation with the TACCLE Project was considered in order to organize a joint workshop, however, but this needs to be discussed with Jens Vermeersch (**Action: BU to follow up**) prior to any further consideration of this option. In case this does not yield a result, we need to find the budget in AquaTNET 3 (**Action: JB to follow up**).

- VI. Dissemination: Creation of online framework for resource sharing: Sharing of the resource we and others have produced. How to approach this goal (Topic 3)?

It was discussed, where and how we would like to showcase our first results (the aquaculture farming case studies) and to share the other resources which may be produced at a later stage from WP 5C. At present, the draft plans are to provide an introduction at the AquaTNET 3 website and to link from there to external resources where the case studies are being hosted. This approach provides the necessary freedom to customize the presentation of the case studies with its LEOB as needed.

It was discussed, to what extent the previously created content from WP 5 and 8 can be re-used in the new framework. It was decided to connect the old content whenever it is useful.

It was discussed, if the resources (i.e. the aquaculture farming case studies) are made available "to the world" or if intellectual ownership protocols will be introduced to protect certain content. It was argued, that some farms will not provide any data for the aquaculture farming case studies if the data will be freely available for anybody to use. It was decided, to react accordingly to the preferences of the farmers.

In that context the copyright issues were stressed again for material which will be used in the LEOBs. It was referred to a document about copyright issues which was previously produced from members of WP 5 and 8 in AquaTNET 2.

- VII. What can we present at the annual event?

Since the annual event is approaching very quickly, we cannot offer a workshop at the coming annual event. Thus it was decided that WP 5C provides an introductory presentation about topics and goals of the WP; the AKVACASE 2.0 example will be showcased and demonstrate how LEOBs can be implemented in such a learning objective.

- VIII. Other issues?

The best way to pool the LEOB's to manage, update, track, reuse with linked courses is to make them available in a database (SS2); this concept needs apparently to adopt virtual tutors in order to make any e-learning environment successful (SS).

### Plenary presentation and general discussions

J. Bostock ran over administrative issues, especially the amended budget. Though WP5 has as its main deliverables at least 3 separate major dissemination and hands-on workshops, there is no budget set aside for these. It was suggested that these contracted deliverables should be run as part of the Annual Events, which was not acceptable to Sub-group C, whose remit it was to run 2-day workshops with a large number of participants. This situation is further aggravated by the budgetary decision that participation in Annual Events be limited to 55. The PESCALEX workshop could be funded under a new proposal that has been submitted. But without additional funding, it will be almost impossible to deliver these workshops as described in the proposal. The potential for finding sponsorship for the workshops and/or charging participants, as well as seeking additional EC funding, was also discussed. This subject should be further explored at the forthcoming Annual Event in Malaga.

Information on the EATIP Knowledge Management Thematic Area was shown and it was noted that both general and specific EU Call descriptions in this area could provide favourable opportunities for the network. It would be very useful to monitor the progress as well as the final publication of the relevant Call in June 2012.

The publication of the joint Seixas/Bostock/Eleftheriou paper on *Promoting Sustainable Aquaculture, Building the Capacity of Local Institutions and Online Teaching (elearning)* in Azeiteiro *et al.* in "Marine Environmental Quality and Sustainability", led to a discussion on the possibility of producing a special issue on the activities and outputs on AQUATNET. Suggestions as to appropriate journals covered the following: innovatory teaching issues, marine issues, special issue or session of the EAS, WFC publication, or internet journal. Specific journals since suggested include European Journal of Education, Journal of European Higher Education Area, European Journal of Educational Studies, European Journal of Open, Distance and E-Learning, European Journal of Higher Education, Lifelong Learning in Europe.

### **General discussion outcomes**

- The proposed Sub-group A Workshop scheduled for Month 10 should be re-scheduled in the light of the ECVET 3<sup>rd</sup> Forum to take place in Brussels at the end of May.
- Sub-group A leader S. Seixas to attend ECVET 3<sup>rd</sup> forum to benefit planning for proposed workshop.
- Contact should be sought with peer-reviewed journals with a view to possible publication of AQUATNET special issue.
- Details concerning date and agenda of the Annual Event to be circulated later.