

Career Development Plan-Year 1

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BRIEF OVERVIEW OF RESEARCH PROJECT AND MAJOR ACCOMPLISHMENTS EXPECTED (half page should be sufficient):

Research Project - ESR5.Reconstructing timber in Spanish Atlantic shipbuilding-treatise and archaeology

Title: The Atlantic shipbuilding and the influence of treatises in the Iberian Cantabric tradition, 1560-1680 a multidisciplinary approach.

This research project is part of a major project named “ForSeaDiscovery – Forest Resources for Iberian Empires: Ecology and Globalization in the Age of Discovery”. Our participation in this project is related to developing a wider understanding of the Iberian Shipbuilding, based in both archaeological and archival sources. Specially, it is one of the purposes itself from this research line, to develop a methodology by combining archaeological and historical data.

Our paramount objective is to understand the Iberian Atlantic shipbuilding through timbers that they shed light to a conflict of interests behind ships, that shaped the shipbuilding industries of the Cantabric Iberian shores and ruled the Iberian Atlantic tradition. For this reason, Dendrochronology will play a main role in our research in order to have a closer perspective of the timber use and timber provenance of the late 16th century.

This project¹ tries to achieve other objectives to contribute to develop a wider database for future research based on different samples and collected data from sources, such as documents, archaeological sites, dendrochronological records and key construction features. It is a major objective to merge perspectives into a proposal that combines different disciplines and therefore, different angles to observe the Iberian shipbuilding and its characteristics during this period. By the end of this project we will define a summary of the evolution of key-construction features in shipbuilding, as part of our main objectives in a data base with a variety of layers, combining GIS geo-positioning, social historical networks, archaeological sites and shipbuilding key features.

¹ ForSEADiscovery “Forest resources for Iberian Empires: Ecology and Globalization in the Age of Discovery (16th-18th)” (PITN-GA-2013-607545) ESR5, WP2

We aim as well to assess and select a number of shipwrecks for potential survey, but also for dendrochronological analysis. Furthermore, we aim to provide sub samples to WP3 members for analysis in order to promote the interdisciplinary relationship that can be very promising for a creative exchange of ideas.

First year of the plan: As a new researcher, we have planned intensive training courses, specially diving, as well as some empirical shipbuilding. It is a major task to improve our skills on the first year of study in order to develop a deeper perception. We need to understand the key points of any observation we are exposed to from the beginning. This year will be also part of the intense reading and bibliographical activity in order to define a complete literature review on the topic.

Second year of the plan: This year is aimed to be mainly for data collection in archives and maritime archaeological sites. We seek to gather new information that is original for the research line that will provide new information to the database we are intending to complete.

Third year of the plan: This year is mainly going to be used for writing the PhD and accomplishing all objectives that were established in this first year as part of finishing this scholarship. We also are going to receive some final courses to actively become project supervisors and with initiative and professional capacities.

LONG-TERM CAREER OBJECTIVES (over 5 years):

1. Goals: Our main goal is to understand deeper what is the Iberian shipbuilding, by looking at the influence of treatises in both historical and archaeological approaches. Through a multidisciplinary perspective a research line on Iberian shipbuilding will be nourished that could be developed on the next years. It will be another major objective to develop a database for promoting future research.
2. What further research activity or other training is needed to attain these goals?
 - Experience shipbuilding and some sailing (Intensive empirical shipbuilding and sailing course in Albaola Faktoria)
 - Dendrochronology: Sampling underwater, timber provenance and wood identification techniques.
 - Archaeological commercial scientific qualification for divers, technical skills for divers, Rescue diving course.
 - Writing skills, scientific writing in English
 - Communication skills on public presentations.

SHORT-TERM OBJECTIVES (1-2 years):

1. Research results
 - Anticipated publications: Detailed activity reports each 6 months.
 - Reports: Detailed report each six months.

-Anticipated conference, workshop attendance, courses, and /or seminar presentations:

- Presentation in UWTSO Lampeter seminar, 4th March
- Ikuwa VI presentation/or/or both/Poster Ikuwa VI
- Course in history of wooden shipbuilding.
- Course on Books and treatises on Shipbuilding
- Workshop on Communication and Presentation skills
- Course on Historiography and archive research
- Course on Geographic Information Systems
- Course on Dendrochronology and wood anatomy
- Workshop on Scientific communication and multidisciplinary team-work
- Course on Dendroarchaeology of ships, Practice and Prospect
- Workshop in Advanced team and Project management

2. Research Skills and techniques:

- Training in specific new areas, or technical expertise etc:
 - Experience shipbuilding (Intensive empirical shipbuilding and sailing course in Albaola Faktoria)
 - Dendrochronology: Sampling underwater, timber provenance and wood identification techniques.
 - Archaeological commercial scientific qualification for divers, technical skills for divers, Rescue diving course.
 - Writing skills, Academic writing in English
 - Rhinoceros Software for 3D ship reconstruction

3. Research management:

- Fellowship or other funding applications planned (indicate name of award if known; include fellowships with entire funding periods, grants written/applied for/received, professional society presentation awards or travel awards, etc.)

4. Communication skills:

- Communication skills on public presentations.

5. Other professional training (course work, teaching activity):

- Improving my academic writing in english

6. Anticipated networking opportunities

- San Juan Project 2016 Albaola faktoria, Donostia San Sebastian European Capital of culture.
- Ikuwa V 2014, Cartagena.
- Ikuwa VI. Fremantle.
- ISBSA – Poland Sept 2015

7. Other activities (community, etc) with professional relevance:

- Member of SIAS, (Society of Underwater Archaeologic researchers)
Sociedad de Investigadores de la Arqueología subacuática
- Member of Albaola Faktoria, Project San Juan 2016

Date & Signature of fellow:

Date & Signature of supervisor

Career Development Plan-Final year

BRIEF OVERVIEW OF PROGRESS, ACHIEVEMENT AND PERFORMANCE (half page should be sufficient):

LONG-TERM CAREER OBJECTIVES (over 5 years):

If relevant, mention any adjustments to your long-term career objectives as a result of the training received.

SHORT-TERM OBJECTIVES ACHIEVED DURING THE TRAINING PERIOD:

1. Research results
 - Publications (incl. in press):

 - Conference, workshop attendance, courses, and /or seminar presentations:

2. Research Skills and techniques acquired:
 - Training in specific new areas, or technical expertise etc:

3. Research management:
 - Fellowship or other funding applications achieved (indicate name of award if known; include fellowships with entire funding periods, grants written/applied for/received, professional society presentation awards or travel awards, etc.)

4. Communication skills:

5. Other professional training (course work, teaching activity):

6. Anticipated networking opportunities

7. Other activities (community, etc) with professional relevance:

Date & Signature of fellow:

Date & Signature of supervisor

Career Development Plan Guidance on some of the competencies expected

The following points are a non-exhaustive series of aspects that could be covered by the career development plan, and it is relevant to the short-term objectives that will be set by the researcher and the reviewer at the beginning of the fellowship period. The objectives should be set with respect to the skills and experience that each researcher should acquire at a given time of his/her career. A postgraduate researcher at PhD level will have very different needs compared to a post-doctoral researcher at an advanced stage of his/her professional development. These objectives should be revised at the end of the fellowship and should be used as a proactive monitoring of progress in the researcher's career.

1. Research results.

These should give an overview of the main direct results obtained as a consequence of the research carried out during the training period. It may include publications, conference, workshop attendance, courses, and /or seminar presentations, patents etc. This will vary according to the area of research and the type of results most common to each field. The information at this level should be relatively general since the career development plan does not strictly constitute a report on the scientific results achieved.

2. Research Skills and techniques acquired.

Competence in experimental design, quantitative and qualitative methods, relevant research methodologies, data capture, statistics, analytical skills.

Original, independent and critical thinking.

Critical analysis and evaluation of one's findings and those of others

Acquisition of new expertise in areas and techniques related to the researcher's field and adequate understanding their appropriate application

Foresight and technology transfer, grasp of ethics and appreciation of IPPR.

3. Research management.

Ability to successfully identify and secure possible sources of funding for personal and team research as appropriate.

Project management skills relating to proposals and tenders work programming, supervision, deadlines and delivery, negotiation with funders, financial planning, and resource management.

Skills appropriate to working with others and in teams and in teambuilding.

4. Communication skills.

Personal presentation skills, poster presentations, skills in report writing and preparing academic papers and books.

To be able to defend research outcomes at seminars, conferences, etc.
Contribute to promote public understanding of one's own field

5. Other professional training (course work, teaching activity):

Involvement in teaching, supervision or mentoring

6. Anticipated networking opportunities.

Develop/maintain co-operative networks and working relationships as appropriate with supervisor/peers/colleagues within the institution and the wider research community

7. Other activities (community, etc) with professional relevance.

Issues related with career management, including transferable skills, management of own career progression, ways to develop employability, awareness of what potential employers are looking for when considering CV applications etc.