



ForSEAdiscovery

Supervisory Board meeting

Ana Crespo Solana, Nigel Nayling, Ignacio García González

Madrid, April 5- 6 2017

Agenda, Wednesday 5 April

Information about
Auditory, Payment Process
and Report

- Error in the management of the budget

Analysis of Form C
Deviations and problems
arise during Auditory for
each partner

. General Observations

Guidelines for the Second
part of the Project

Financial Issues form Mid Term Reporting

- Correct amounts relating to Category 1 (Living Allowance) and 2 (Mobility Allowance)

Nothing Less and Nothing more!

- Category 3 (Research and Training)
- Some situations of underpayment and/or overpayment!

Commitment that deviations in the amounts that should have been paid in the first phase of the project are carried forward to and corrected in the second phase.

Specific cases /Analysis by beneficiary

- ✓ UNLA: Overpayment in Category 3
- ✓ Wageningen: underpayments in categories 1 and 2
- ✓ Lorraine: underpayments in category 1 and overpayment in category 2

- ✓ University Santiago de Compostela: underpayments under Categories 1 and 2 due to Maternity Leave of the fellow M. Domínguez-Delmás, according the Spanish rules of Department of Social Security.

If you are outside the Euro zone, you must ensure that any fluctuations in currency exchange rates have been accounted for and that final payments in Category 1, 2 and 3, agree with the ITN allocation.

- ❖ (overpayment in UWTSD and underpayment in MALtd!)

Termination of University of Leiden

- Form C submitted in advance during the change management phase of the ForSEAdiscovery management contract
- Agreed with REA date of termination /Leaving Partner activity Report
- University Leiden transferred funds to the CSIC
- UL was entitled to keep the share allocated to category 3 for the first phase of the project since it involves a flat rate.
- Remaining surplus funds were transferred to UWTSO.

In Summary:

Following general observations must be taken into account if the budget is to be managed properly:

- Country correction coefficient must be applied with regard to categories 1 and 2.
- Difference of familial status must be taken into account in the category 2 calculation
- ➡ Category 3 involves a flat rate of €1,800 per researcher per month. This amount may not be exceeded, yet it must be noted in the costs declaration form (Form C) even if it has not been fully spent!!!!!!

- Budget both for Category 4 (Management) and Category 5 (Overheads) is 10% of the total budget!!!!



Therefore, it is VERY IMPORTANT to bear mind that any change to the other categories will automatically involve a change to the categories 4 and 5.

This is particularly IMPORTANT in category 4 since it can entail a decrease in the budget !!!!!



Guidelines for the second phase of the project

- All beneficiaries must be committed to correcting the deviations which arose in the first phase of the management of the project during the second phase, as demanded by Brussels
- Financial reports should be sent regularly to the coordinator to ascertain the overall amounts of funds and thus to be able to plan shared activities and try to discover errors in the management of the budget before the submission of the Forms C.
- Apriori criteria must be agreed for the distribution of the costs of shared activities between the participating beneficiaries before they are undertaken.
- Future scientific activities must be planned so that their costs and the amount of money we will have until the end of the project can be calculated

Agenda, Wednesday 5 April

- TRAINING COORDINATION
 - Fellows report, Individual projects (for Final report and PhD dissertation), Scientific Activities
- Deliverables and Milestones ready and uploaded in the web page in September 2017.
- Achieving of milestones and Deliverables.
- Updating of Career Development Plans
- Updating of Gantt Chart

Fellows' Reporting



Recent Fellows' Reports

- Scientific Activities – how to these deliver project outputs?
- PhD progress – individual project

Ongoing Fellows' Reports (end July?)

- Dissemination (Presentations – include copy of Powerpoint, Publications)
- Secondments – training, personal and project objectives
- Training activities – “impact on the fellows' career development plans”
- Outreach Events - (what was the outcome? How did you measure the success?)
- Updated career development plan

Final Reporting for Fellows

- Final reports (including fellows' and supervisors' reports) need to be uploaded onto the EC Participant Portal during the Final Reporting Period (60 days after the full 48 months – February / March 2018)

Final / Periodic 2 Reporting for Fellows

- Fellows' Reports. These should contain information on secondments, training activities, outreach and other events (e.g. research visits to archives or other institutions).
- Supervisors' Reports. Progress on career development plan and PhD
- Questionnaires. Two months / two years
- Expect format changes!

Milestones and deliverables

- <http://forseadiscovery.eu/results>
- <http://forseadiscovery.eu/content/milestones>
- <http://forseadiscovery.eu/content/deliverables>
- Report
- Working Papers
- Specific Documents
 - Milestones
 - Deliverables
 - Kick-off-meeting
 - Information regarding Network meetings

Milestones (to be completed)

4. Database of historical information specific areas in Atlantic Iberia where oak and pine wood was logged to supply specific Atlantic Iberian shipyards with timber for shipbuilding from the 16th-18th centuries (June 2017) [WP 1](#)

Deliverable schedule made by components from WP1 with relevant information regarding what we want to get from dendrochronologists

Working organization of Deliverable WP1

- Historical sources: compilation
- DATABASE:
 - Design a Conceptual Model
 - Scanning and Digitizing Map Data (layers of historical maps and evolutive forestry maps by areas)
- Creation a Geodatabase
- Implementation in a GIS
- Cartography: thematic maps (scale, layers (forest) or attributes (oak, pine))
- Analysis

To build a GIS where we can integrate historical cartography and maps by different regions, the historical information that tell us where the “Montes de marina” were localized with the DENDROCHRONOLOGICAL INFORMATION

LAYERS:

- Forest Map of Spain (by regions)

1. Forest Map of Spain scale 1: 400,000 (MFE400)

2. Forest Map of Spain scale 1: 200,000 (MFE200)

3. Forest Map of Spain scale 1: 50,000 (MFE50)

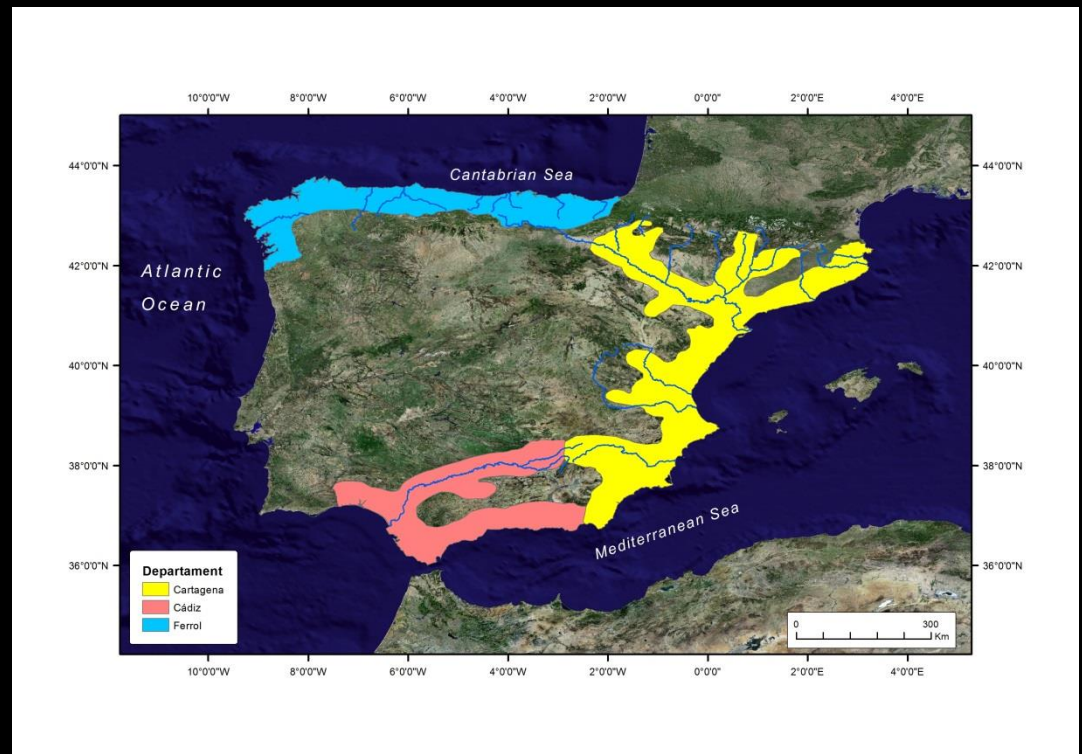
- Hidrography

- Web Map Server (WMS)

- Forest Samples

- Forest Map of Portugal

- Historical Cartography



Maps are classified into three scales depending on the use and purpose cartographic

- Map Scale 1: 400,000 (Iberian Peninsula)
- Map Scale 1: 200,000 (provincial level)
- Map Scale 1: 50,000 (distributed by sheets)



We have a cartographic material from both Historical cartography and maps available in geoportals of Spanish Ministerio de Agricultura, Alimentación y Medio Ambiente: Services WMS de Ecosistemas- Mapa Forestal de España

Biodiversidad

[Ir a Inicio](#)

Temas

Días mundiales y fechas destacadas

Servicios

Banco de Datos de la Naturaleza (BDN)

Información disponible

Contacto para el Banco de Datos de la Naturaleza

Servidor cartográfico (WMS)

Ayudas y subvenciones

Campañas

Estadísticas

Formación, congresos y jornadas

Legislación

Organismos y organizaciones

Participación pública

Planes y estrategias

Proyectos de cooperación

Publicaciones y documentación

Mapa Forestal de España (MFE50)

 [Imprimir](#)  [Descargar en PDF](#)

 [Ayuda](#)



Descripción del proyecto

El Mapa Forestal de España a escala 1:50.000 (MFE50) es la cartografía de la situación de las masas forestales, realizada desde el Banco de Datos de la Naturaleza, siguiendo un modelo conceptual de usos del suelo jerarquizados, desarrollados en las clases forestales, especialmente en las arboladas.

La base de datos se compone de una serie de campos descriptores de la ecología y estructura de las masas. Dentro del uso forestal arbolado se contemplan hasta tres especies diferentes, cada una con su estado de desarrollo (repoblado, monte bravo, latizal y fustal), ocupación (porcentaje que la especie ocupa en el total de los árboles) y la fracción de cabida cubierta para el total del arbolado (porcentaje de suelo cubierto por la proyección horizontal de las copas de los árboles).

- **Título** : Mapa Forestal de España (MFE50)
- **Suministro** : [Descarga gratuita](#)
- **Ámbito** : Provincial
- **Escala** : 1:50.000
- **Actualización** : Proyecto realizado entre los años 1997 a 2006
- **Acceso al servicio** [WMS](#)
- **Disponibilidad** : Nacional

 [Mapa de distribución de coníferas y frondosas \(1,8 MB\)](#)

 [Mapa de usos del suelo \(2,7 MB\)](#)

 [Mapas de formaciones arboladas](#)

Novidades

Preguntas frecuentes...



Acceso a los recursos genéticos y reparto de beneficios

[+info](#)


Noticias sobre Biodiversidad

13/10/2016

[La Conferencia Sectorial de Medio Ambiente acuerda la distribución de más de 1 millón de euros entre las CCAA para actuaciones del Fondo del Patrimonio Natural y la Biodiversidad](#)

11/10/2016

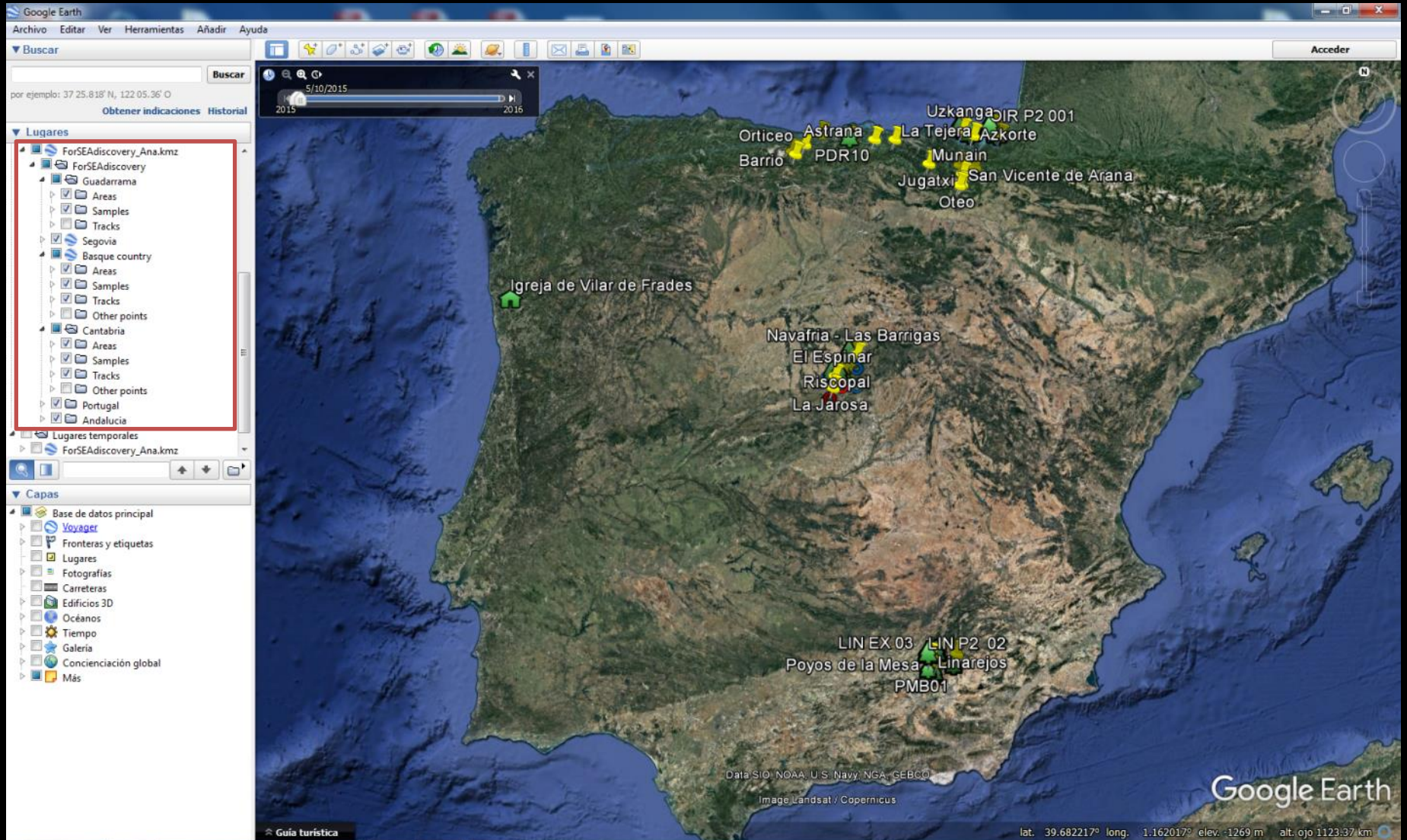
[El Ministerio de Agricultura, Alimentación y Medio Ambiente finaliza las obras de restauración tras el gran incendio forestal en Trabazos-Latedo \(Zamora\)](#)

 Noticias sobre Biodiversidad
[Ver todas las noticias](#)

What information we need from you?

- Layers with sampled areas during the project
- Information of sampled areas (species, geography, another thing you find important)
- Geographical coordinate (Lat. /Long./localization) in Spain and Portugal
- Other potential areas to be identified for future projects
- List of known Dendrochronologies for Iberian Peninsula
- Just for the future: a catalogue of Historical buildings with Historical timber? To be collected between Dendrochronologist and Historians

Samples



WP2 Deliverables

- 2.1 GIS layer on Iberian shipwreck sites
- 2.2 Method statements for guidance on best practice and protocols for dendro-archaeological fieldwork—revision through Lisbon dendro-archaeology workshops – **need WP3 input**
- 2.3 Site specific reports for dissemination and archive deposition for selected shipwreck sites— June 2017 (Bayonaisse, Magdalena, Ribadeo, Yarmouth Roads, Belinho 1)
- 2.4 Synthetic reports on efficacy of different scientific approaches to timber characterisation of Iberian Ships of the 16th and 18th century – **need WP3 input**

WP2 Milestones

- 2.2 Thesaurus of shipbuilding construction features with reference to timber characteristics observed in historic written sources and archaeological records – **3D version in development**
- 2.3 Demonstration sites selected, project designs agreed and all permissions for fieldwork obtained.
- 2.9 Data on suspected Iberian shipwreck sites collated and built into GIS-data model. **Sept 2017**

Agenda Thursday April 6 2017

- a. List of scientific activities
- b. Scientific Periodic Report (WPs current state)
- c. Dissemination and Outreach achieving, to prepare final report. Nautical Campaigns reports.
- d. Report about integration and data sharing between the three WPs. The ForSEAdiscovery database, problems and possibilities.

For **SEA** discovery



WP1. Historical Wood supply and dynamic trade networks



ER1 José Luis Gasch- Tomás

ESR1 Ana Rita Trindade

ESR2 Maria Bastiao

ESR3 Manish Kumar

ESR4 Germán Jiménez Montes

ESR13 Nathan Gallagher

- Contribution to the creation of an inventory Based on archival information of the sources Of oak and pine used for shipbuilding (16th -18th century)
- Fragmented data
- Synthesis and analysis of this document Is ongoing.
- Archives have been identified with primary documents.

Catalogue of sources must be done in the future

Núm. ^o de Puntas	Palmas. de Sueso.	Colorado. Saigo	En Piezo. Cor. N.º 1 ^o	Importe en Duros
				1040749 12
1	8 1/2	32	2300	38428 24
1	8	41	2268	40428 28
1	8	42	2268	40252 12
26	8	40	1890	38252 12
1	8 1/2	38	2268	70087 17
3	8	39	2268	30543 2
1	7 1/2	40	2268	30543 2
1	7 1/2	39	2268	30543 2
1	7 1/2	38	2268	20656 2
1	7	32	1482	20970 1
3	7	31	2268	20656 2
1	7	33	2268	20656 2
2	6 1/2	32	2268	20126 1
1	6 1/2	33	1134	10948 1
1	6 1/2	31	2268	30896 2
2	6	33	2268	10593 1
1	5 1/2	34	750	10417 1
2	5	31	600	20478 1
1	4 1/2	33	567	10062 1
1	4 1/2	31	720	10062 1

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De forma que como parece por los tablores y

Por donde se compran Importan ciento noventa

Collation of historical and archaeological information regarding construction features

Collaboration with WP2.

Milestone 2: Thesaurus of shipbuilding

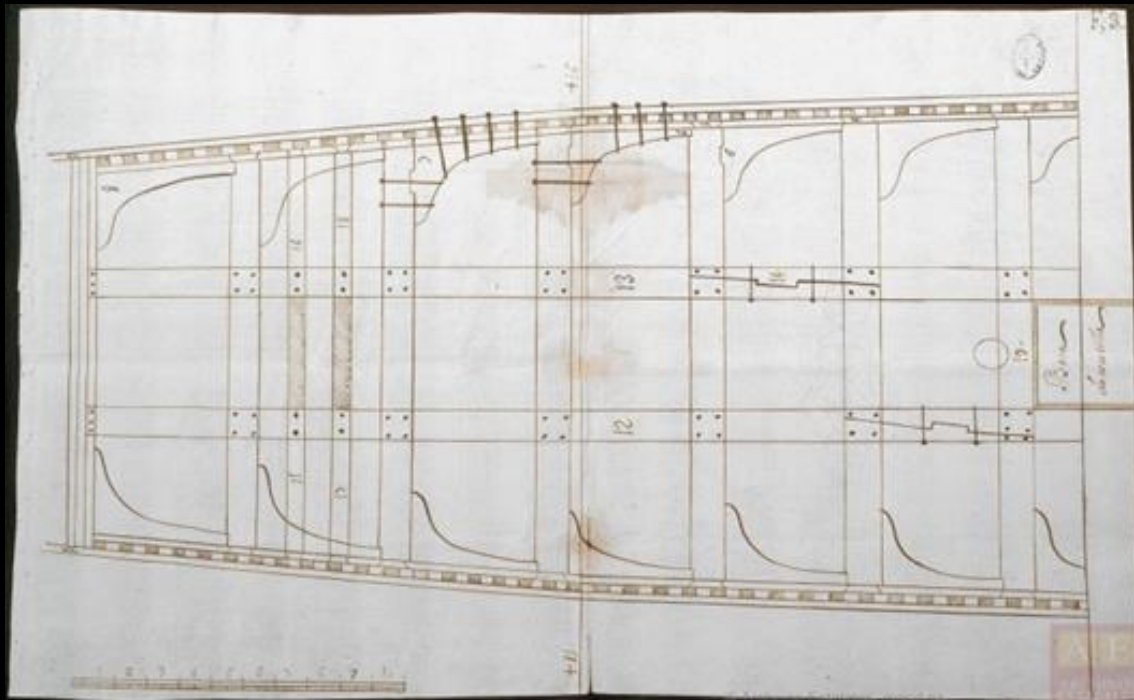


Technological objective and research

- ER1. (with ER2 and ER3)
- Development of a GIS-based model combining information from the different disciplines involved.
- Collecting and cross-checking information from previous Databases, including The Soundtoll Register online, Crespo DynCoopNet Data collection, Texas A&M (Filipe Castro)

Organization and compilation of a massive amount of existing archival and historiographic documentation available mostly in Spanish and Portuguese archives: Archivo General de Sevilla, Archivo General de Simancas, Archivo Histórico Nacional de Madrid, Museo Naval, Biblioteca Nacional, Archivo de la Marina Álvaro de la Bazán, Archivos de la Diputación Foral del País Vasco, Archivo de Protocolos Notariales de Sevilla y Cádiz (Spain); and Arquivo Histórico Ultramarino, Arquivo Nacional Torre Do Tombo (Portugal)

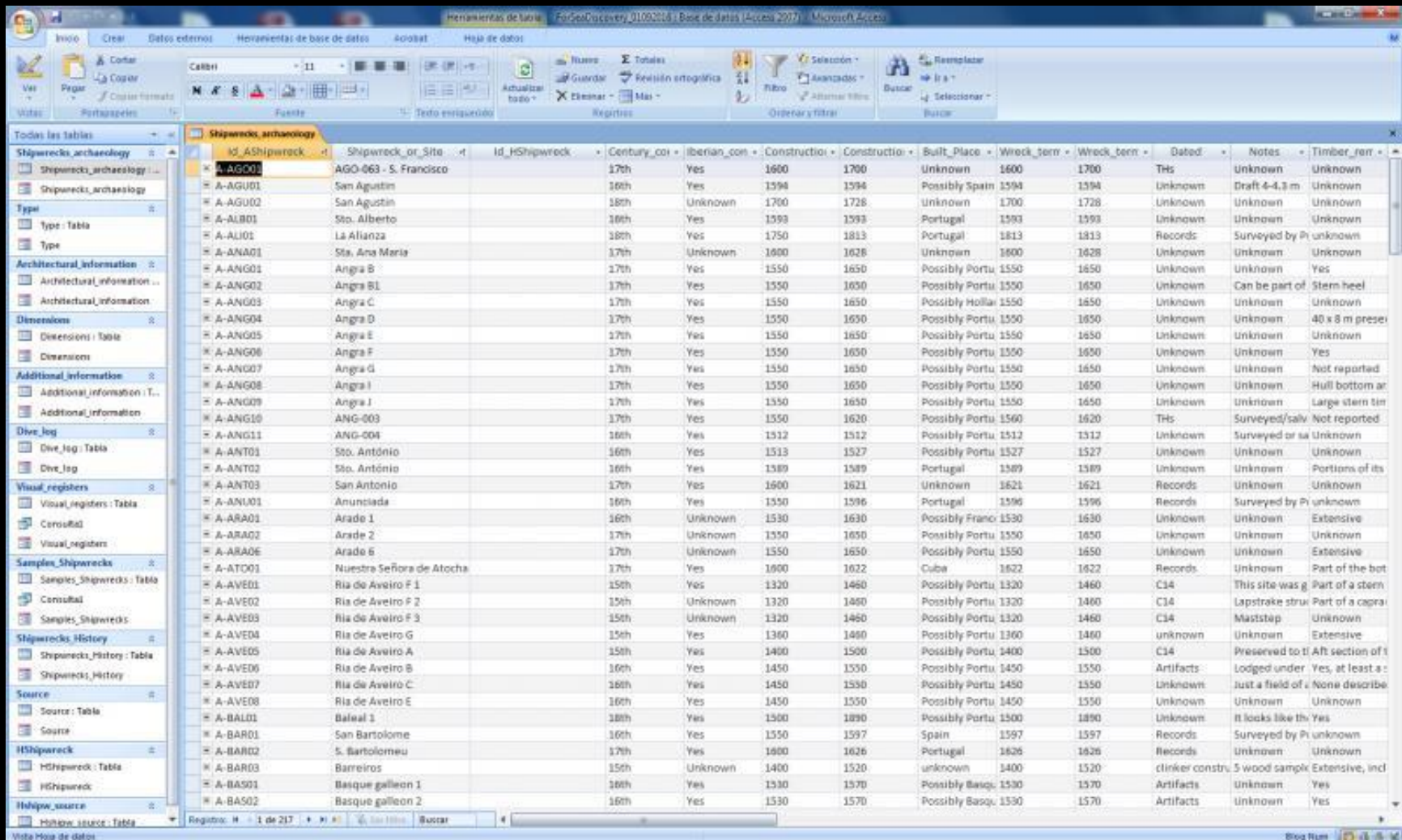
Important research in Dutch archives by fellows from Groningen and Leiden (Stadsarchief Amsterdam and Notarieel Archief, in The Hague).



Antonio Garrote (1691) "Planta de la cubierta desde el yugo a la mitad de la eslora"

Databases and GIS:

<http://forseadiscovery.eu/databases>




The screenshot displays the Microsoft Access interface for a database named 'ForseADiscovery_01092014'. The active table is 'Shipwrecks_archaeology'. The table contains the following columns: ID_AShipwreck, Shipwreck_or_Site, Id_HShipwreck, Century_co, Iberian_con, Construction_1, Construction_2, Built_Place, Wreck_bern_1, Wreck_bern_2, Dated, Notes, and Timber_ren. The data is organized into rows, with the first row highlighted in yellow.

ID_AShipwreck	Shipwreck_or_Site	Id_HShipwreck	Century_co	Iberian_con	Construction_1	Construction_2	Built_Place	Wreck_bern_1	Wreck_bern_2	Dated	Notes	Timber_ren
A-AGO0	AGO-063 - S. Francisco		17th	Yes	1600	1700	Unknown	1600	1700	Ths	Unknown	Unknown
A-AGU01	San Agustín		16th	Yes	1594	1594	Possibly Spain	1594	1594	Unknown	Draft 4-4.3 m	Unknown
A-AGU02	San Agustín		18th	Unknown	1700	1728	Unknown	1700	1728	Unknown	Unknown	Unknown
A-ALB01	Sto. Alberto		16th	Yes	1593	1593	Portugal	1593	1593	Unknown	Unknown	Unknown
A-ALI01	La Alianza		18th	Yes	1750	1813	Portugal	1813	1813	Records	Surveyed by Ph	Unknown
A-ANA01	Sta. Ana Maria		17th	Unknown	1600	1628	Unknown	1600	1628	Unknown	Unknown	Unknown
A-ANG01	Angra B		17th	Yes	1550	1650	Possibly Portu	1550	1650	Unknown	Unknown	Yes
A-ANG02	Angra BL		17th	Yes	1550	1650	Possibly Portu	1550	1650	Unknown	Can be part of	Stem heel
A-ANG03	Angra C		17th	Yes	1550	1650	Possibly Holla	1550	1650	Unknown	Unknown	Unknown
A-ANG04	Angra D		17th	Yes	1550	1650	Possibly Portu	1550	1650	Unknown	Unknown	40 x 8 m preser
A-ANG05	Angra E		17th	Yes	1550	1650	Possibly Portu	1550	1650	Unknown	Unknown	Unknown
A-ANG06	Angra F		17th	Yes	1550	1650	Possibly Portu	1550	1650	Unknown	Unknown	Yes
A-ANG07	Angra G		17th	Yes	1550	1650	Possibly Portu	1550	1650	Unknown	Unknown	Not reported
A-ANG08	Angra I		17th	Yes	1550	1650	Possibly Portu	1550	1650	Unknown	Unknown	Hull bottom ar
A-ANG09	Angra J		17th	Yes	1550	1650	Possibly Portu	1550	1650	Unknown	Unknown	Large stern tin
A-ANG10	ANG-003		17th	Yes	1550	1620	Possibly Portu	1560	1620	Ths	Surveyed/salv	Not reported
A-ANG11	ANG-004		16th	Yes	1512	1512	Possibly Portu	1512	1512	Unknown	Surveyed or sa	Unknown
A-ANT01	Sto. António		16th	Yes	1513	1527	Possibly Portu	1527	1527	Unknown	Unknown	Unknown
A-ANT02	Sto. António		16th	Yes	1589	1589	Portugal	1589	1589	Unknown	Unknown	Portions of its
A-ANT03	San Antonio		17th	Yes	1600	1621	Unknown	1621	1621	Records	Unknown	Unknown
A-ANU01	Anunciada		16th	Yes	1550	1596	Portugal	1596	1596	Records	Surveyed by Ph	Unknown
A-ARA01	Arade 1		16th	Unknown	1530	1630	Possibly Franc	1530	1630	Unknown	Unknown	Extensive
A-ARA02	Arade 2		17th	Unknown	1550	1650	Possibly Portu	1550	1650	Unknown	Unknown	Unknown
A-ARA06	Arade 6		17th	Unknown	1550	1650	Possibly Portu	1550	1650	Unknown	Unknown	Extensive
A-ATC01	Nuestra Señora de Atocha		17th	Yes	1600	1622	Cuba	1622	1622	Records	Unknown	Part of the bot
A-AVE01	Ria de Aveiro F 1		15th	Yes	1320	1460	Possibly Portu	1320	1460	C14	This site was g	Part of a stern
A-AVE02	Ria de Aveiro F 2		15th	Unknown	1320	1460	Possibly Portu	1320	1460	C14	Lapstrake stru	Part of a capra
A-AVE03	Ria de Aveiro F 3		15th	Unknown	1320	1460	Possibly Portu	1320	1460	C14	Maststep	Unknown
A-AVE04	Ria de Aveiro G		15th	Yes	1360	1460	Possibly Portu	1360	1460	unknown	Unknown	Extensive
A-AVE05	Ria de Aveiro A		15th	Yes	1400	1500	Possibly Portu	1400	1500	C14	Preserved to t	Aft section of t
A-AVE06	Ria de Aveiro B		16th	Yes	1450	1550	Possibly Portu	1450	1550	Artifacts	Lodged under	Yes, at least a c
A-AVE07	Ria de Aveiro C		16th	Yes	1450	1550	Possibly Portu	1450	1550	Unknown	just a field of	None describe
A-AVE08	Ria de Aveiro E		16th	Yes	1450	1550	Possibly Portu	1450	1550	Unknown	Unknown	Unknown
A-BAL01	Baleal 1		16th	Yes	1500	1890	Possibly Portu	1500	1890	Unknown	It looks like th	Yes
A-BAR01	San Bartolome		16th	Yes	1550	1597	Spain	1597	1597	Records	Surveyed by Ph	Unknown
A-BAR02	S. Bartolomeu		17th	Yes	1600	1626	Portugal	1626	1626	Records	Unknown	Unknown
A-BAR03	Barreiros		15th	Unknown	1400	1520	unknown	1400	1520	clinker constru	5 wood sampl	Extensive, incl
A-BAS01	Basque galleon 1		16th	Yes	1530	1570	Possibly Basq	1530	1570	Artifacts	Unknown	Yes
A-BAS02	Basque galleon 2		16th	Yes	1530	1570	Possibly Basq	1530	1570	Artifacts	Unknown	Yes

ForSEAdiscovery Data model


A GIS AND DATABASE MODEL FOR IBERIAN SHIPWRECKS AND THE PROVENANCE OF TIMBER FOR IBERIAN SHIPBUILDING (16th - 18th CENTURIES)
 For SEA discovery
<http://forseadiscovery.cchs.csic.es/>

José C. Guedes "Jermán", María José García Rodríguez*, Ana Crespo Solana*
*Instituto de Historia (IH), Consejo Superior de Investigaciones Científicas (CSIC), Madrid, Spain




RESEARCH QUESTIONS


What were the main ports of departure, ports of arrival, and courses for the sinking of Iberian ships during the Age of Discovery?
 According to archaeological analysis, what were the main constructional features of Iberian ships?
 What were the main supply areas of timber to Iberian shipbuilding?



Database model for Iberian ships, shipwrecks, and timber production in the early modern era



GIS model for Iberian shipwrecks




GIS model for Iberian shipwrecks

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 101019718.

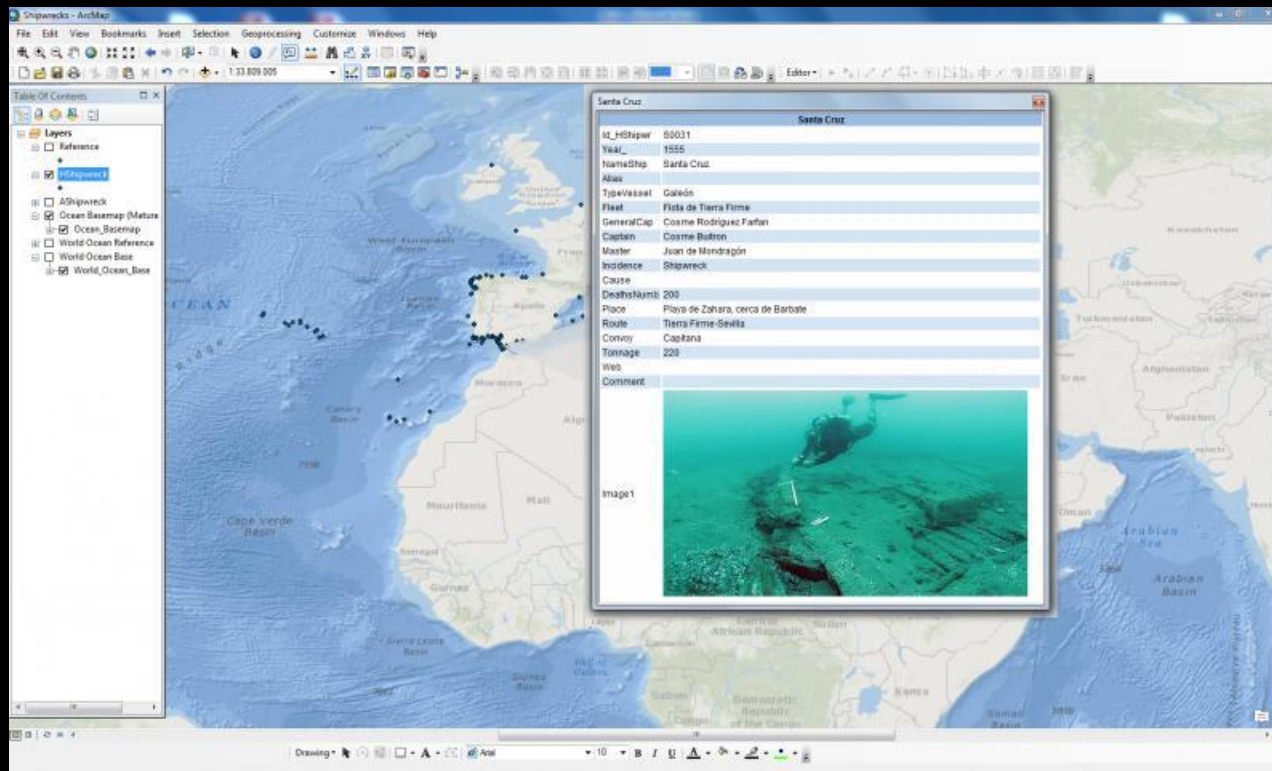
IH contributors: Dr. Ana Crespo Solana (Instituto de Historia, Consejo Superior de Investigaciones Científicas, CSIC)
 e-mail: anacrespo@ih.csic.es
jermangued@ih.csic.es

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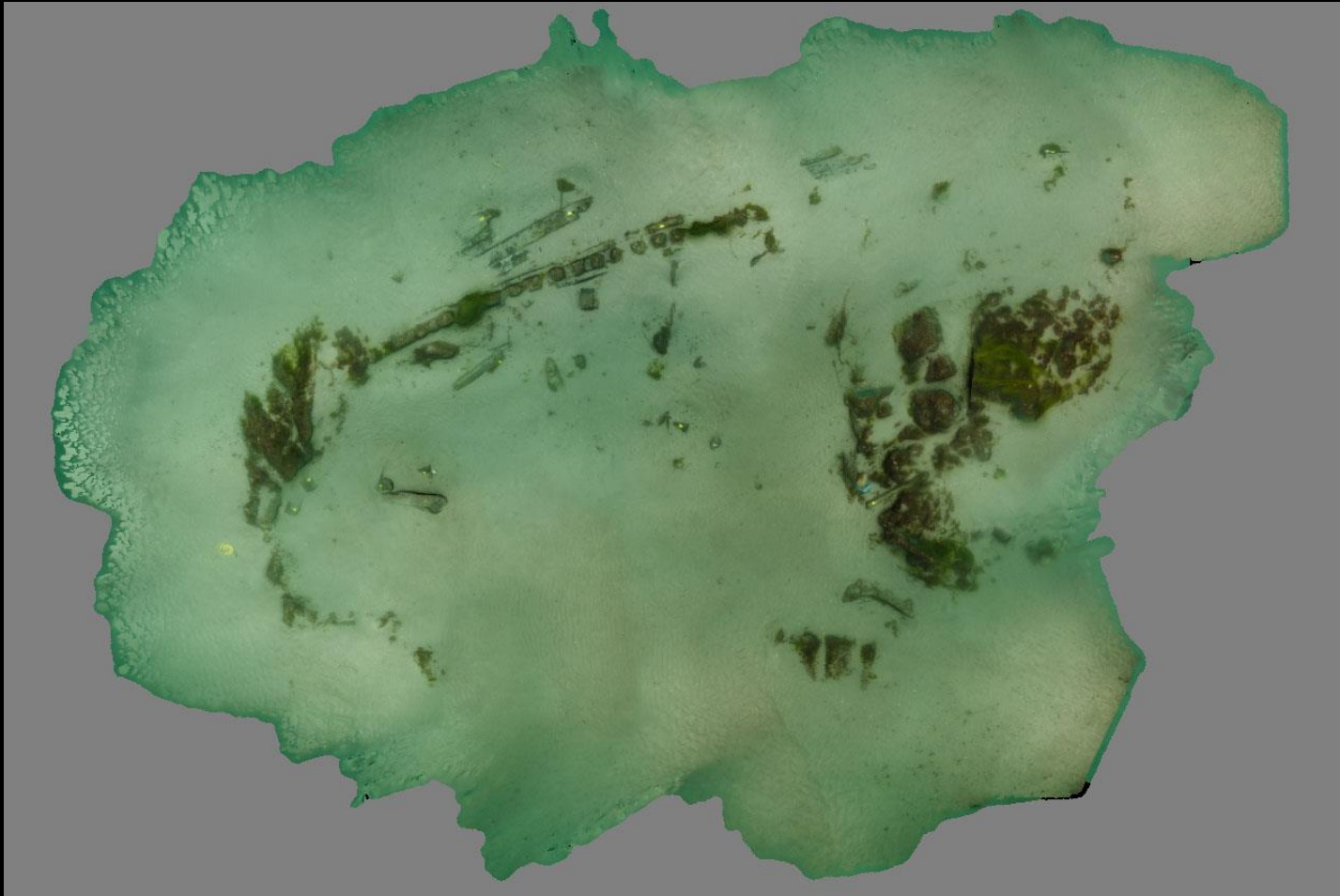



- To perfect the datamodel
- To collect and integrate historical cartography

Plan for the future: to develop a webmapping /Visualization software for GIS in accordance with GSDI (Global Spatial Data Infrastructure Association), INSPIRE (Infrastructure for Spatial Information in Europe), LISIGE (Spanish Laws about infrastructure and Geographic information System in Spain), OGC (Open Geospatial Consortium) and Open Access Declaration signed by CSIC.



WP2. Nautical Archaeology and shipbuilding



WP2 Dissemination / Outreach

- IKUWA 6, Fremantle, Australia. Dec 2016
- Trees, ships and humans in the Iberian Peninsula (XVI-XVIIIth centuries), UNLA. Jan 2017
- Dendro-archaeology Workshop, Lisbon. April 2017
- FRAUG, Bremerhaven, Germany. Jun 2017



WP2 Milestones

- 2.2 Thesaurus of shipbuilding construction features with reference to timber characteristics observed in historic written sources and archaeological records – **3D version in development**
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- 2.4 Synthetic reports on efficacy of different scientific approaches to timber characterisation of Iberian Ships of the 16th and 18th century – **need WP3 input**

WP3. Wood Provenancing



Main target areas



Sampling campaigns

- Pine forest in Central System (*Pinus sylvestris* and *P. nigra*)... (and a 'bonus' small site for *Q. petraea*) (July 2016)
- Living oaks in Cantabria (September 2016)
- Oaks from buildings in Euskadi (October 2016)
- Oaks from buildings and additional living trees in Cantabria (November 2016)
- Living oaks in Muniellos (Cantabria)

MILESTONES

M5

Establishment of a network of oak and pine tree-ring chronologies for dating and provenancing timber used in ships in the 16th-18th centuries

M6

List of anatomical characteristics that allow reliable differentiation among respectively, deciduous oak and pine species and differentiation between stem and branch wood

M7

Identification of biomarkers and geochemical tracers for oak and pine species growing in the Iberian Peninsula in areas associated with Early Modern timber production for shipbuilding

M8

Characterization of the geochemical composition of the wood of timber-finds from shipwrecks

Milestones (to be completed)

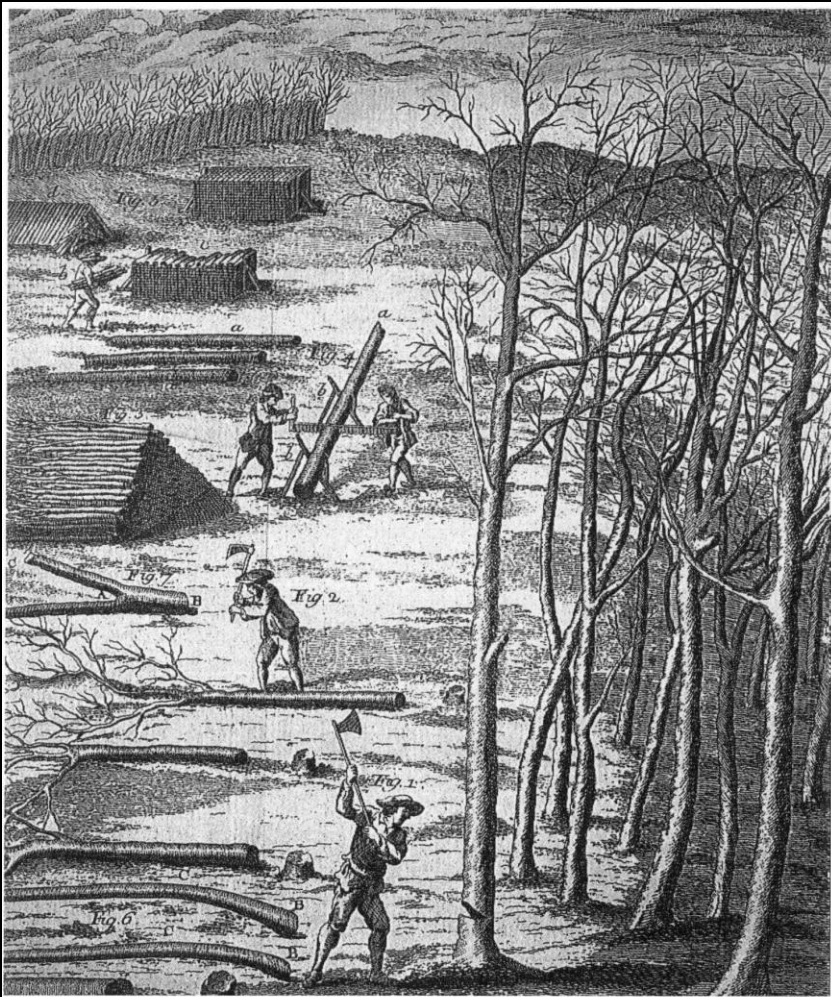
WP 3

5. Establishment of a network of oak and pine tree-ring chronologies for dating and provenancing timber used in ships in the 16th-18th centuries (June 2017) [ESR9 Marta](#)

6. List of anatomical characteristics that allow reliable differentiation among respectively, deciduous oak and pine species and differentiation between stem and branch wood (June 2017) [ESR10 Linar](#)

7. Identification of biomarkers and geochemical tracers for oak and pine species growing in the Iberian Peninsula in areas associate with Early Modern timber production for shipbuilding (June 2017) [ESR11 Mohamed \(publication\)](#)

8. Characterization of the geochemical composition of the wood of timber-finds from shipwrecks (June 2017) [ESR 11 Mohamed \(publication\)](#)



Aprovechamiento de Montes. Corta y aserrado. Duhamel. 1773.