

RATES

This document presents the services offered by the CENIEH as an ICTS to researchers and companies. The list only includes the defined services, while the Center may also commission other methodologies and provide **scientific and technical advice**. The availability of the described services depends on the involvement of scientific-technical staff from the ICTS, as well as the capacity and operability of the equipment.

General conditions:

- The procedure for requesting the services shall be in accordance with the Access Protocol available on the website and through the User Office.
- The commissioning of procedures, processes or methodologies shall be invoiced for on the basis of the cost of each of the techniques.
- The minimum charge for the different techniques which are charged per hour shall be equivalent to one hour, or the fraction indicated in the rate.
- In each case, a **surcharge of 10% will be applied to the total invoice for management costs**.
- A 10% discount will be applied when the work is carried out by a qualified user in those techniques and processes that provide for it and do not have a specific rate established.
- Should the complete provision of the service requested require the CENIEH to subcontract part of the work, the cost of this subcontracting, with a surcharge of 10%, will be charged to the total amount of the subcontracted service.
- The **rates shown do not include VAT**. The current rate of VAT will be applied to them
- These rates are an eligible cost and, therefore, can be financed under some of the Programs of the National Scientific Research and Technical Innovation Plan.
- The fees will be invoiced once the service is completed; however, an advance payment may be requested as a guarantee of payment
- Any tests which fail as a consequence of malfunctioning of the analytical instrumentation of the ICTS shall not be chargeable.
- When standards not available in the laboratories are needed, the cost of those standards will be added to the price of the service, subject to the prior agreement of the requester.
- Laboratories or services not envisaged in the following schedule can be engaged and charged for on the basis of a prior agreement on price.
- The equipment denoted (LUC) may be used in the “qualified user” mode subject to inclusion of the user in the LUC (List of Qualified Users), and reception of the appropriate instructions or training.
- All the rates are for guidance only, and the prices may undergo modification, depending on the number of samples and their specific characteristics.
- The **work and publications** resulting from access to the ICTS **must acknowledge CENIEH, mentioning the laboratories and/or services used and the application number**. A copy of these publications shall be sent to gestiondocumental@ex.cenieh.es, preferably indicating the application number(s) related to the publication.

Please request an estimate for each analysis and test and for any services not included in the tables below.

Access Mode established for Laboratories	
Laboratories with services in Competitive Access Mode	Laboratories with On-Demand Access Mode
<p>Micro-Computed Tomography Area of the Microscopy and Micro-Computed Tomography Laboratory.</p> <p>Geochronology laboratories:</p> <ul style="list-style-type: none"> - Archaeomagnetism. - Luminescence - Electron Spin Resonance - Uranium Series - Cosmogenic Nuclides <p>Conservation and Restoration Laboratory</p>	<p>Geology Laboratories</p> <ul style="list-style-type: none"> - Sample preparation - Thin Sections <p>Archaeometry Laboratory</p> <p>Digital Mapping and Multimedia Laboratory</p> <p>Experimental Archaeology and Taphonomy Laboratory</p>

Application of Rates for Competitive and On-Demand Access Modes

Competitive Access Mode

The applications made to laboratories with Competitive Access Mode by means of Competitive Calls, following resolution, will be assigned as priority 1 or priority 2, and will be executed during the period established in the call, with **Rate A** being applied in all cases, whether they are for members of the CENIEH, or public or private bodies.

The applications made to laboratories with Competitive Access Mode but by means of On-Demand Access shall be charged at:

- **Rate B** for members of the CENIEH and for work arising from their research activity, whether as researchers on an internal project or as co-researchers on a project based at another research center or university.
- **Rate C** will be applicable to public and private institutions such as universities and public research bodies (PRBs) and other non-profit bodies.
- **Rate D** shall be applied to any work intended for and/or aimed at the company, private organisations, or for-profit entities.

On-Demand Access Mode

The applications made to laboratories with exclusive On-Demand Access mode shall be charged at Rate A, B or C, depending on the kind of requesting institution, determined in general as follows:

- **Rate A:** applicable to members of the CENIEH and for work arising from their research activity, whether as researchers on an internal project or as co-researchers on a project based at another research center or university.

- **Rate B:** applicable to public and private institutions such as universities and public research bodies (OPIs) and other non-profit bodies.
- **Rate C:** applicable to any class of work destined for and/or aimed at private or for-profit companies or bodies.

ARCHAEOOMETRY LABORATORY

FIELDWORK	Rate A	Rate B	Rate C
Taking samples (€/person-day)	250	375	500
X-RAY DIFFRACTION	Rate A	Rate B	Rate C
Sample preparation DRX-grinding (€/unit)	2.2	3.3	4.4
Sample preparation DRX-milling (€/unit)	2.2	3.3	4.4
Sample preparation DRX-mortar (€/unit)	3.3	4.95	6.6
Sample preparation for Oriented Aggregates (€/unit)	44	66	88
Preparation tablet 13mm (€/unit)	3.3	4.95	6.6
X-ray diffraction (€/hour)	5.5	8.25	11
Multipurpose platform diffraction (€/hour)	5.5	8.25	11
Identification of phases (€/unit)	16.5	24.75	33
X-RAY FLUORESCENCE	Rate A	Rate B	Rate C
Sample preparation FRX-grinding (€/unit)	2.2	3.3	4.4
Sample preparation FRX-milling (€/unit)	2.2	3.3	4.4
Preparation tablet 13 mm (€/unit)	3.3	4.95	6.6
Preparation tablet 40 mm (€/unit)	4.4	6.6	8.8
Preparation glass bead (€/unit)	7.7	11.55	15.4
Semi-quantitative analysis (€/unit)	10	15	20
Quantitative analysis (€/unit)	13.2	19.8	26.4
Calculation of LOI (€/unit)	5.5	8.25	11
INFRARED SPECTROSCOPY (FTIR)	Rate A	Rate B	Rate C
Sample preparation FTIR-grinding (€/unit)	2.2	3.3	4.4
Sample preparation FTIR-milling (€/unit)	2.2	3.3	4.4
Preparation tablet 13 mm (€/unit)	3.3	4.95	6.6
ATR/transmission (€/unit)	2.2	3.3	4.4
Use of instrument (€/hour)	5.5	8.25	11
RAMAN MICROSCOPY	Rate A	Rate B	Rate C
Use of instrument (€/hour)	5.5	8.25	11
THERMOGRAVIMETRY (TG/DSC)	Rate A	Rate B	Rate C
Sample preparation TG/DSC-grinding (€/unit)	2.2	3.3	4.4
Sample preparation TG/DSC-milling (€/unit)	2.2	3.3	4.4
Use of instrument (€/hour)	11	16.5	22
THERMOGRAVIMETRY (TG/DSC)+FTIR	Rate A	Rate B	Rate C
Sample preparation TG/DSC-grinding (€/unit)	2.2	3.3	4.4
Sample preparation TG/DSC-milling (€/unit)	2.2	3.3	4.4
Preparation tablet 13 mm (€/unit)	3.2	4.8	6.4
Use of instrument TG+DSC+FTIR (€/hour)	16.5	24.75	33
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C
Scientific-Technical Report (€/day)	100	150	200
Scientific-Technical Report (€/hour)	50	75	100

MICROSCOPY AND MICRO-COMPUTED TOMOGRAPHY LABORATORY

MICRO-COMPUTED TOMOGRAPHY	Rate A	Rate B	Rate C	Rate D
Sample preparation (€/hour)	13.2	15	20	21.60
V Tome XS Use of scanner 240 kV (€/hour)-qualified user*	38.5	60	100	108.00
Tome XS Use of scanner 180 kV (€/hour)-qualified user*	49.5	75	120	129.60
V Tome XS Establishment of parameters 240 kV (€/hour)	49.5	70	110	118.80
V Tome XS Use of scanner 240 kV (€/hour)	49.5	70	110	118.80
V Tome XS Establishment of parameters 180 kV (€/hour)	60.5	85	130	140.40
V Tome XS Use of scanner 180 kV (€/hour)	60.5	85	130	140.40
CoreTOM Establishment of parameters (€/hour)	49.5	70	110	118.80
CoreTOM Use of scanner (standard) (€/hour)	49.5	70	110	118.80
CoreTOM Use of scanner <i>in-situ</i> test (€/hour)	49.5	70	130	140.40
Radiographies:				
- Between 1 and 5 (€/unit)	9.9	14	22	23.76
- Between 6 and 15 (€/unit)	8.8	13	21	22.68
- More than 15 (€/unit)	7.7	12	20	21.60
Image analysis (€/hour) Qualified user*	33	45	60	64.80
Image analysis (€/hour)	38.5	50	65	70.20
Image analysis training (€/hour)	33	45	60	64.80
AUTOMATED MICROSCOPY MORPHOLOGI G3	Rate A	Rate B	Rate C	
Sample preparation (€/hour)	13.2	15	20	
Use of Morphologi G3 (€/hour) Qualified user*	11	15	20	
Use of Morphologi G3 (€/hour)	22	25	30	
Use of software (€/hour) Qualified user*	11	15	20	
Morphologi qualification training(€/hour)	22	25	30	
Use of software (€/hour)	22	25	30	
ELECTRON MICROSCOPY	Rate A	Rate B	Rate C	
Sample preparation (€/hour)	13.2	15	20	
Use of SEM (€/hour) Qualified user*	15	22.5	30	
Use of EDS/WDS (€/hour) Qualified user*	18	25.5	34	
Use of SEM (€/hour)	21	26.5	34	
Use of EDS/WDS (€/hour)	24	30	38.5	
Coating with Au (€/coating)	17.5	25	32.5	
Coating with C (€/coating)	12	17	22	
Qualification training SEM/EDS (€/hour)	21/23.7	26.5/30	34/38.5	
3D DIGITAL MICROSCOPY	Rate A	Rate B	Rate C	
Sample preparation (€/hour)	13.2	15	20	
Use of 3D microscope (€/hour) Qualified user*	11	15	20	
3D qualification training(€/hour)	13.2	17	22	

Use of 3D microscope (€/hour)	13.2	17	22	
CONFOCAL LASER MICROSCOPY	Rate A	Rate B	Rate C	
Sample preparation (€/hour)	13.2	15	20	
Use of confocal laser (€/hour) Qualified user*	11	15	20	
Use of Confocal Laser (€/hour)	13.2	17	22	
OPTICAL MICROSCOPY	Rate A	Rate B	Rate C	
Sample preparation (€/hour)	13.2	15	20	
Petrographic analysis (€/hour) *	3.3	4.5	6	
Metallographic analysis (€/hour)*	3.3	4.5	6	
Fluorescence analysis (€/hour)*	8.8	12	16	
Petrographic analysis (€/hour)	6.6	9	12	
Metallographic analysis (€/hour)	6.6	9	12	
Fluorescence analysis (€/hour)	13.2	16	20	
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C	Rate D
Scientific-Technical Report (€/day)	100	150	200	240
Scientific-Technical Report (€/hour)	50	75	100	120
Data and results analysis	22	30	40	48

*Qualified users must undergo prior training whose duration depends on the equipment. This will be charged for at the rates shown for each case.

GEOLOGY LABORATORY

SAMPLE PREPARATION	Rate A	Rate B	Rate C
Rock cutting wet/dry (€/hour)	5	7.5	10
Jaw crushing (€/hour)	5	7.5	10
Vibratory disc/ball mill (€/hour)	10	15	20
Screening wet/dry (€/hour)	8	12	16
Magnetic separator (€/hour)	30	45	60
Mineral separation with dense liquids (€/sample)	10	15	20
Cleaning quartz without HF (€/sample)	125	192.5	260
Cleaning quartz with HF (€/sample)	135	202.5	270
GRANULOMETRY	Rate A	Rate B	Rate C
Mineral separation and screening by grain size (PE-05GE) (€/unit)	10	15	20
Beckman Coulter laser granulometric analysis (€/hour)	50	75	100
Robinson pipette	20	30	40
CHEMICAL ASSAYS	Rate A	Rate B	Rate C
Petron Calcimetry (€/unit)	12	18	24
Determination of humidity by desiccation and gravimetry (€/unit)	5	7.5	10
Determination of organic matter by ignition (€/unit)	8	12	16
Electrical conductivity and pH (€/unit)	5	7.5	10
THIN SECTIONS AND PROBES	Rate A	Rate B	Rate C
Consolidation (€/unit)	7	10.5	14
Standard thin section (LDS)			
Polished (€/unit)	16	24	32
without cover (€/unit)	12	18	24
Medium thin section (MTS)			
Polished (€/unit)	25	37.5	50
without cover (€/unit)	20	30	40
Large thin section (LTS)			
Polished (€/unit)	40	60	80
without cover (€/unit)	34	51	68
Preparation of polished probes	25	37.5	50
SOIL MICROMORPHOLOGY THIN SECTIONS	Rate A	Rate B	Rate C
Standard impregnation (€/unit)	75	112.5	150
Soil micromorphology thin sections (€/unit) (already impregnated)	25	37.5	50
Soil micromorphology thin sections with impregnation (€/unit)	100	150	200
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C
Scientific-Technical Report (€/day)	100	150	200
Scientific-Technical Report (€/hour)	50	75	100

GEOCHRONOLOGY: LABORATORY OF ARCHAEOMAGNETISM

FIELDWORK	Rate A	Rate B	Rate C	Rate D
Taking samples (€/person-day)	250	375	500	600
SAMPLE PREPARATION	Rate A	Rate B	Rate C	Rate D
Sample cutting (hours)+marking-(€/hour)	5	7.5	10	12
VSM-ambient temperature (Qualified user)	Rate A	Rate B	Rate C	Rate D
VSM (€/hour)	1.5	2.25	3	3.60
VSM (€/day)	15	22.5	30	36
HYSTERESIS LOOPS	Rate A	Rate B	Rate C	Rate D
Hysteresis loops (ambient temperature)- (€/hour)	2	3	4	4.80
Hysteresis loops (high temperature)- (€/hour)	On request			
Hysteresis loops (low temperature*) - (€/hour)	On request			
ISOTHERMAL REMANENT MAGNETIZATION (IRM)	Rate A	Rate B	Rate C	Rate D
IRM and AIRM by VSM - (€/hour)	2	3	4	4.80
IRM by magnetic pulses – (€/unit)	2	3	4	4.80
AIRM-IRM anisotropy– (€/unit)	2	3	4	4.80
FORC	Rate A	Rate B	Rate C	Rate D
Use of equipment (ambient temperature) - (€/hour)	2	3	4	4.80
Use of equipment (low temperature)* - (€/hour)	2	3	4	4.80
ANHYSERETIC REMANENT MAGNETIZATION (ARM)	Rate A	Rate B	Rate C	Rate D
ARM (€/unit)	2	3	4	4.80
AARM (€/unit)	2	3	4	4.80
AF/TH DEMAGNETIZATION	Rate A	Rate B	Rate C	Rate D
AF/TH (€/unit)	4	6	8	9.60
ANISOTROPY OF MAGNETIC SUSCEPTIBILITY (ASM)	Rate A	Rate B	Rate C	Rate D
ASM (€/unit)	7	10.5	14	16.80
USE OF LABORATORY (day)	Rate A	Rate B	Rate C	Rate D
Use of laboratory (€/day)	150	225	300	360
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C	Rate D
Scientific-Technical Report (€/day)	100	150	200	240
Scientific-Technical Report (€/hour)	50	75	100	120

*In the case of measurements at low temperature, the price/hour may be affected by the cost and availability of liquid He at the moment in question, so that this should be confirmed before undertaking the tests.

GEOPHYSICS	Rate A	Rate B	Rate C
Electrical tomography (€/day)	150	300	600
Ground penetrating radar (€/day)	100	150	300

Use of this equipment by hiring shall only be permitted for persons with experience and this shall be assessed in each case.

GEOCHRONOLOGY: ELECTRON SPIN RESONANCE LABORATORY

FIELDWORK	Rate A	Rate B	Rate C	Rate D
Taking samples (€/person-day)	250	375	500	600
PORTABLE GAMMA SPECTROMETRY EQUIPMENT*	Rate A	Rate B	Rate C	
Use of equipment (€/day)	50	75	100	
GAMMA DOSIMETRY (HpGe)	Rate A	Rate B	Rate C	
Sample preparation gamma dosimetry (€/sample)	18	27	36	
Gamma dosimetry measurement (€/sample)	18	27	36	
USE of ESR equipment (by qualified personnel)	Rate A	Rate B	Rate C	Rate D
Use of ESR equipment (€/hour) ambient temperature	5	20	40	48
Use of ESR equipment (€/hour) low temperature (N2)	18	72	144	172.80
BLEACHING	10	30	60	72
DATING OF QUARTZ	Rate A	Rate B	Rate C	Rate D
Complete dating. Separation of quartzes, gamma spectrometry, bleaching, irradiation, ESR measurement, analysis of results and calculation of age.	450	600	800	960
(Partial) Separation of quartzes (€/sample)**	135	202.5	270	324
(Partial) ESR measurement and analysis of results (€/sample)	315	472.5	630	756
Sample preparation by qualified user (except HF) (€/sample)	102	150	201	300
(Partial) For irradiation and bleaching, the stated rates shall be applied.	See the irradiation and bleaching rates			
DATING OF TEETH***	Rate A	Rate B	Rate C	Rate D
No. of samples with separation of tissues (€/sample)	200	300	400	480
Gamma spectrometry, irradiation (€/sample)	50	75	100	120
ESR chemical preparation and measurement, analysis of results and calculation of age (€/sample)	350	525	700	840
GAMMA IRRADIATION and BLEACHING	Rate A	Rate B	Rate C	Rate D
Gamma Irradiation: Irradiation vials	0.2	0.3	0.4	0.48
Gamma irradiation: Band I - Less than 30 sample-doses per kGy	1.5	2.25	3	3.60
Gamma irradiation: Band II - More than 30 sample-doses per kGy	0.65	1	1.3	1.56
Gamma irradiation: Preparation of vials by the user	0.2	0.3	0.4	0.48
Gamma irradiation: Preparation of vials by laboratory	1.2	1.8	2.4	2.88
Sample bleaching (€/sample)	10	30	60	72
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C	Rate D
Scientific-Technical Report (€/day)	100	150	200	240
Scientific-Technical Report (€/hour)	50	75	100	120

*When portable field gamma spectrometry can only be used by CENIEH personnel or when it is considered in the evaluation of the access request, by *affiliated* personnel. The application of the fee will only be used when full dating services are not contracted, but rather partial work, and this is assessed in the User Office.

**The separation of quartzes/feldspars will be subject to this fee when carried out in any of the laboratories of the CENIEH.

*** This type of dating must be specifically requested, evaluated and budgeted if the entire process is required.

GEOCHRONOLOGY: LUMINESCENCE LABORATORY

LUMINESCENCE DATING (OSL/IRSL) (€/sample)	Rate A	Rate B	Rate C	Rate D
This includes sample preparation (separation of quartz or feldspar as appropriate), luminescence measurement, calculation of dose rate, estimation of age and submission of a brief report describing the methodology and results.	400	560	750	787.5
LUMINESCENCE LABORATORY*	Rate A	Rate B	Rate C	Rate D
Sample preparation by qualified user (except HF) (€/sample)	102	150	201	
Qualified Use of Luminescence Reader (€/sample)	102	150	201	
PORTABLE GAMMA SPECTROMETRY EQUIPMENT**	Rate A	Rate B	Rate C	
Use of equipment (€/day)	50	75	100	
FIELDWORK	Rate A	Rate B	Rate C	Rate D
Taking samples (€/person-day)	250	375	500	600
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C	Rate D
Scientific-Technical Report (€/day)	100	150	200	247.2
Scientific-Technical Report (€/hour)	50	75	100	123.6

*The user must have previous knowledge and pass a training session (approx. 1-2h) before starting the work, and shall be offered the opportunity to act as a qualified user. Machine time shall be assigned on the basis of the characteristics of the samples and users shall act at all times per the instructions of the IRA 3015 beta area supervisor.

Upon prior consultation, partial work within the luminescence dating process may be requested with a specific fee (sample extraction, field gamma spectrometry, quartz/feldspar grain extraction, luminescence measurement, high-resolution gamma spectrometry).

**When portable field gamma spectrometry can only be used by CENIEH personnel or when it is considered in the evaluation of the access request, by *affiliated* personnel. The application of the fee will only be used when full dating services are not contracted, but rather partial work.

GEOCHRONOLOGY: COSMOGENIC NUCLIDES LABORATORY

SAMPLE PREPARATION (€/sample)	Rate A	Rate B	Rate C	Rate D
Complete preparation of samples for 10Be analysis (and 26Al if necessary) (€/sample)	400	600	800	960
1. Crushing and sieving (€/sample)	40	60	80	96
2. Extraction and purification of quartzes (including magnetic separation, separation by density and acid attack) (€/sample)	200	300	400	480
3. Beryllium (and aluminum if necessary), extraction (including quartz digestion, evaporation with HF, ion exchange, chromatography, hydroxide precipitation) (€/sample)	120	180	240	288
4. Calcination and pressing	40	60	80	96
PREPARATION OF samples - Meteoric Be (€/sample)	Rate A	Rate B	Rate C	Rate D
Complete preparation of samples for 10Be meteoric analysis	200	300	400	480
MEASUREMENT BY AMS (€/sample)	Rate A	Rate B	Rate C	Rate C
Please inquire with the laboratory*				
FIELDWORK	Rate A	Rate B	Rate C	Rate D
Taking samples (€/person-day)	250	375	500	600
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C	Rate D
Scientific-Technical Report (€/day)	100	150	200	240
Scientific-Technical Report (€/hour)	50	75	100	120

Blanks and standards for AMS are included in the rates

The actual sample preparation procedure will vary with the types of material, the availability of samples, and the measurements required (exposure ages, erosion rates, burial ages, etc.).

The analysis and measurements of AMS for 10Be (and 26Al when necessary) will be carried out in the facilities collaborating with the CENIEH. Consulting the laboratory researcher before submitting the proposal is recommended.

GEOCHRONOLOGY: URANIUM SERIES LABORATORY

FIELDWORK	Rate A	Rate B	Rate C	Rate D
Taking samples (€/person-day)	250	375	500	600
URANIUM SERIES DATING	Rate A	Rate B	Rate C	Rate D
Physical evaluation of the sample/subsampling (€/hour)	36	48	72	86.4
Micromilling (€/hour)	45	67.5	90	108
Micromilling qualified user (€/hour)	2	3	4	4.8
Chemical separation (€/sample)	120	180	240	288
Measurement of MC-HR-ICP-MS (€/sample)	224	336	448	537.6
Sample preparation and measurement by MC ICP-MS (€/sample)	320	480	640	768
MULTIELEMENTAL ANALYSIS(*)	Rate A	Rate B	Rate C	
Physical evaluation of the sample/subsampling (€/hour)	5	7.5	10	
Microwave-assisted chemical treatment of sample (€/sample)	20	30	40	
Chemical treatment without microwaves (€/sample)	12	18	24	
ICP-OES calibration	30	45	60	
Quantitative analysis ICP-OES (€/sample)	10	15	20	
ICP-MS calibration	60	90	120	
Quantitative analysis ICP-HRMS (€/sample)	40	60	80	
Exploratory analysis U-Th ICP-HRMS (€/sample)	30	45	60	
LASER ABLATION(**)	Rate A	Rate B	Rate C	
Adjustment of equipment (€/day)	200	300	400	
LA-MC-ICPMS (€/hour)	180	270	360	
LA-ICP-HRMS (€/hour)	120	180	240	
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C	Rate D
Scientific-Technical Report (€/day)	100	150	200	240
Scientific-Technical Report (€/hour)	50	75	100	120

* In the multi-element analysis, in the case of a **solid matrix**, it is recommended that the samples be sent ground. In any case, and if the preparation is required in the CENIEH, the sample preparation must be added, and its acceptance will depend on the laboratory's capacity to carry out the preparation.

** If preparation of a thin section for laser ablation is required, the charge for preparation of the section necessary from the sample must be added (Geology).

DIGITAL MAPPING AND MULTIMEDIA LABORATORY

FIELDWORK	Rate A	Rate B	Rate C
Fieldwork (€/person-day)	250	375	500
AERIAL CARTOGRAPHY (DRONES)	Rate A	Rate B	Rate C
Please inquire			
2D PRINTING	Rate A	Rate B	Rate C
Satin photo paper (200 g/m ²)	25	40	50
Matte paper (180 g/m ²)	23	25	46
CAD paper (90 g/m ²)	10	15	20
TOPOGRAPHY	Rate A	Rate B	Rate C
Total Robotic Station (€/ day)	65	85	100
Total Robotic Station (€/ week)	200	250	300
Total Robotic Station (€/ month)	450	550	650
Total Non-Robot Station (€/ day)	30	40	50
Total Non-Robotic Station (€/ week)	100	120	150
Total Non-Robotic Station (€/ month)	250	320	370
GPS/GNSS (centimetric) (€/day)	60	90	100
GPS/GNSS (centimetric) (€/week)	250	300	350
GPS/GNSS (centimetric) (€/month)	400	600	800
PHOTOGRAMMETRY	Rate A	Rate B	Rate C
Please inquire			
SCANNERS	Rate A	Rate B	Rate C
Tripod 3D laser scanner (€/day)	150	500	550
Tripod 3D laser scanner (€/week)	600	1500	2000
Tripod 3D laser scanner (€/ month)	2000	3000	5000
Handheld 3D laser scanner (€/ day)	30	120	170
Handheld 3D laser scanner (€/ week)	200	500	700
Handheld 3D laser scanner (€/ month)	350	1000	2000
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C
Scientific-Technical Report (€/day)	100	150	200
Scientific-Technical Report (€/hour)	50	75	100

Specific conditions:

- 1) The rates do not include loan for service outside the laboratory of the applications for subsequent data processing: only the programs necessary for downloading and basic evaluation of the data are included.
- 2) The rates include the loan of field laptops for the desktop scanners only

The requester shall be responsible for returning the equipment in the condition in which it was loaned. The equipment is partly insured, although in the event of any claim, the requester shall be liable for the policy excess. In cases of breakdown, breakage or theft of the equipment, the requester shall bear liability in accordance with the general conditions of the Center.

CONSERVATION AND RESTORATION

FIELDWORK*	Rate A	Rate B	Rate C	Rate D
Consultancy, Conservation and Intervention in situ (€/person-day)	275	412.5	550	660
TECHNICAL CONSULTANCY	Rate A	Rate B	Rate C	Rate D
Analysis of state of conservation of cultural, archaeological and paleontological assets (€/hour)	18.5	27.23	36.3	43.56
Preventive conservation in museum halls and deposits (physical and environmental compliance, exhibition systems, transport, etc.) (€/hour)	18.5	27.23	36.3	43.56
Curative conservation and restoration (€/hour)	18.5	27.23	36.3	43.56
Application of analytical techniques to cultural assets (€/hour)	18.5	27.23	36.3	43.56
INTERVENTION ON CULTURAL, ARCHAEOLOGICAL AND/OR PALEONTOLOGICAL ASSETS- PREVENTIVE CONSERVATION	Rate A	Rate B	Rate C	Rate D
Environmental tracking and active control (RH, T, lighting systems, atmospheric contaminants) (€/hour)	18.5	27.23	36.3	43.56
Active pest control (€/hour)	18.5	27.23	36.3	43.56
Physical conditioning (deposit/transport) (€/hour)	18.5	27.23	36.3	43.56
Design of preventive conservation plan/collections emergency plan (€/week)	726	1089	1452	1,742.40
Temporary physical conditioning (€/hour)	18.5	27.23	36.3	43.56
INTERVENTION ON CULTURAL, ARCHAEOLOGICAL AND/OR PALEONTOLOGICAL ASSETS-CURATIVE CONSERVATION & RESTORATION	Rate A	Rate B	Rate C	Rate D
Desiccation (active control) (€/hour)	18.5	27.23	36.3	43.56
Stabilization: desalting (€/hour)	18.5	27.23	36.3	43.56
Inhibition of metal corrosion (€/hour)	18.5	27.23	36.3	43.56
Protection (€/hour)	18.5	27.23	36.3	43.56
Biocide treatments (€/hour)	18.5	27.23	36.3	43.56
Cleaning of surfaces/elimination of crusts (mechanical-chemical) (€/hour)	18.5	27.23	36.3	43.56
Surface stabilization, spot internal consolidation, by suction or immersion (€/hour)	18.5	27.23	36.3	43.56
Volumetric reconstruction (€/hour)	18.5	27.23	36.3	43.56
Volumetric reintegration (€/hour)	18.5	27.23	36.3	43.56
Chromatic reintegration (€/hour)	18.5	27.23	36.3	43.56
MOLDS AND REPLICAS	Rate A	Rate B	Rate C	Rate D
Master and first replica-Up to 5 cm (unit)	33	50	66	79.20

Master and first replica-From 5 to 10 cm (unit)	72.6	108.9	145.2	174.24
Master and first replica-10 to 20 cm (€/unit)	105.27	157.3	210.57	252.68
Master and first replica-20 to 30 cm (€/unit)	139.15	208.12	278.3	333.96
Master and first replica-30 to 80 cm (€/unit)	217.8	326.7	435.6	522.72
Master and first replica-More than 80 cm-price on application	-	-	-	-
Delivery of master-Up to 5 cm (€/unit)	100	148	200	240
Delivery of master-From 5 cm to 10 cm (€/unit)	217.8	326.7	435.6	522.72
Delivery of master-10 cm-20 cm (€/unit)	315.81	473.72	631.62	757.94
Delivery of master-20 cm-30 cm (€/unit)	417.45	626.18	834.9	1001.88
Delivery of master-30 cm-80 cm (€/unit)	653.4	980.1	1306.8	1568.16
Delivery of master-More than 80 cm-price on application	-	-	-	-
Second and subsequent replicas-Up to 5 cm (€/unit)	16.5	24	33	39.60
Second and subsequent replicas-5 to 10 cm (€/unit)	36.3	54.45	72.6	87.12
Second and subsequent replicas-10 cm-20 cm (€/unit)	52.03	78.05	104.06	124.87
Second and subsequent replicas-From 20 cm-30 cm (unit)	68.97	103.46	137.94	165.53
Second and subsequent replicas-30 cm-80 cm (€/unit)	108.9	163.35	217.8	261.36
Second and subsequent replicas-More than 80 cm-price on application	-	-	-	-
Chromatic reintegration-Up to 5 cm (€/unit)	22	33	44	52.8
Chromatic reintegration-From 5 cm to 10 cm (€/unit)	42.35	63.53	84.7	101.64
Chromatic reintegration-10 cm-20 cm (€/unit)	84.7	127.05	169.4	203.28
Chromatic reintegration-20 cm-30 cm (€/unit)	127.05	190.575	254.1	304.92
Chromatic reintegration-30 cm-80 cm (€/unit)	211.75	317.63	423.5	508.20
Chromatic reintegration-->More than 80 cm-price on application	-	-	-	-
PHYSICAL CLEANING OF SURFACES WITH ND:YAG EOS COMBO LASER	Rate A	Rate B	Rate C	Rate D
Intervention (€/ hour)	35	52.5	70	87.5
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C	Rate D
Scientific-Technical Report (€/day)	110	165	220	264
Scientific-Technical Report (€/hour)	55	82.5	110	132

*For long-duration fieldwork, a specific estimate will be given in advance, as determined by the specific conditions of the work to be undertaken.

EXPERIMENTAL ARCHAEOLOGY

This laboratory operates on a prior quotation basis due to the specific characteristics of the tests it performs. Price of materials for the experiments and tests:

FIELDWORK	Rate A	Rate B	Rate C
Fieldwork (€/person-day)	250	375	500
ROCK ANALYSIS AND KNAPPING EXPERIMENTS	Rate A	Rate B	Rate C
Evaluation of properties (measurement with equipment) (€/hour)	8	12	16
Evaluation of properties (measurement with equipment) (€/day)	40	60	80
Stigma benchmark by knapping techniques (€/hour)	10	15	20
Stigma benchmark by knapping techniques (€/day)	45	67.5	90
Consumables and raw materials (cost of consumables)	See the schedule for consumables		
TRACEOLOGICAL EXAMINATION	Rate A	Rate B	Rate C
Sample preparation for experimental benchmark use (€/day)	40	60	80
Sample preparation for experimental benchmark use (€/hour)	8	12	16
Experimentation to create experimental benchmark of traces of use (€/hour)	10	15	20
Experimentation to create experimental benchmark of traces of use (€/day)	45	67.5	90
Examination of traces of use (microscope) (€/hour)	10	15	20
Examination of traces of use (microscope) (€/day)	50	75	100
Consumables and raw materials (cost of consumables)			
PROCESSING OF ARCHAEOLOGICAL MATERIAL	Rate A	Rate B	Rate C
Washing, marking and simple inventorying (€/hour)	8	12	16
Washing, marking and simple inventorying (€/day)	40	60	80
Photography, drawing and infographics (€/hour)	8	12	16
Photography, drawing and infographics (€/day)	40	60	80
Technological analysis, critical reading (€/hour)	45	67.5	90
Technological analysis, critical reading (€/day)	95	142.5	190
ARCHAEOLOGICAL REPLICAS AND LEASING REPLICAS	Rate A	Rate B	Rate C
Consumables and raw materials (cost of consumables)	Please inquire		
USE OF LABORATORY AND EQUIPMENT BY QUALIFIED USERS	Rate A	Rate B	Rate C
Consumables and raw materials (cost of consumables)	7	10.5	14
Accelerated climatic test chamber (basic) (€/day)	35	52.5	70
Consumables gases for climatic chamber-Total amount	Please inquire		
Shimadzu Universal Testing Machine (€/hour)	6	9	12
Shimadzu Universal Testing Machine (€/day)	30	45	60
Skeletization space (necropsies-cooking) (€/hour)	5	7.5	10
Skeletization space (necropsies-cooking) (€/day)	25	37.5	50

Knapping area (€/hour)	3	4.5	6
Knapping area (€/day)	15	22.5	30
High-speed camera Photron (€/hour)	17	25.5	34
High-speed camera Photron (€/day)	85	127.5	170
General qualification training (€/hour)	15	22.5	30
Use of 3D digital microscope (€/hour) Qualified user*	10	15	20
3D qualification training(€/hour)	12	17	22
Use of 3D microscope (€/hour)	12	17	22
SCIENTIFIC-TECHNICAL REPORT	Rate A	Rate B	Rate C
Scientific-Technical Report (€/day)	100	150	200
Scientific-Technical Report (€/hour)	50	75	100

CONSUMABLES	Rate A – kg/100 g	Rate B – kg/100 g	Rate C – kg/100 g
Quartzite, sandstone or limestone	10.7/1.07	16.05/1.60	21.4/2.14
Flint 2nd class	10.7/1.07	16.05/1.60	21.4/2.14
Flint 1st class	37.45/5.35	56.18/8.02	74.9/10.7
Obsidian	53.5/8.02	80.25/12.04	107/16.05
Antler	48.15/5.35	72.23/8.02	96.3/10.7
Bone	10.7/1.07	16.05/1.60	21.4/2.14
Hardwood	37.45/5.35	56.18/8.02	74.9/10.7
Industrial wood	10.7/1.07	16.05/1.60	21.4/2.14
Copper sheet or rod	48.15/4.81	72.23/7.22	96.3/9.63

MEETING ROOMS

This laboratory operates on a prior quotation basis due to the specific characteristics of the tests it performs. Price of materials for the experiments and tests:

SEMINAR ROOMS (FLOOR 0)	Rate A	Rate B	Rate C
Maximum capacity of up to 40 people. Equipped with projector, flexible furniture and natural lighting (€/day)	350	525	700
ASSEMBLY HALL (FLOOR 0)	Rate A	Rate B	Rate C
Maximum capacity of up to 98 seats. Space with technical cabin, sound system, projection and lighting. (€/day)	700	1050	1400
MEETING ROOM (4th FLOOR)	Rate A	Rate B	Rate C
Representative room, spacious, complex air conditioning and high energy costs	400	600	800

GENERAL TERMS OF USE

- The rates apply exclusively to external entities.
- The full day includes a maximum of 8 continuous hours.
- Reservations must be requested at least 10 days in advance at compras@cenieh.es
- Requests will be subject to availability and approval by the Center.
- For events outside working hours or with special requirements, additional fees may apply.
- Invoicing will include VAT and, where applicable, specific surcharges for additional technical needs.