

PRICE LIST

This document presents the services offered by the CENIEH as an ICTS to researchers and companies, with their corresponding rates. Only the services defined are mentioned below: the Center also possesses capabilities for other methodologies to be commissioned and scientific-technical consultancy work.

General conditions:

- The procedure for requesting the services shall be through the User Office at the link: <u>https://www.cenieh.es/infraestructura/acceso-y-oficina-de-usuario</u>

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

Application of Rates for the Competitive and On-Demand Access Modes

Competitive Access Mode

The applications made to laboratories with Competitive Access Mode by means of Competitive Calls, and 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 for public institutions such as universities, public research bodies (OPIs) or private bodies and companies.

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 coresearchers on a project based at another research center or university
- **Rate B:** applicable to public institutions such as universities and public research bodies (OPIs) and other public bodies.
- **Rate C:** applicable to any class of work destined for and/or for the purposes of companies or private bodies.

| | Access Mode established for Laboratories 2020 | | | | | | |
|-------------------------|---|---|--|--|--|--|--|
| | Laboratories with | Laboratories with | | | | | |
| Competitive Access Mode | | On-Demand Access Mode | | | | | |
| - | Micro-Computed Tomography Area of the | Geology Laboratories: | | | | | |
| | Microscopy and Micro-Computed | - Sample Preparation | | | | | |
| | Tomography Laboratory | - Thin Sections | | | | | |
| - | Geochronology laboratories: | Archaeometry Laboratory | | | | | |
| | Archaeomagnetism | Digital Mapping and Multimedia Laboratory | | | | | |
| | Luminescence | Experimental Archaeology Laboratory | | | | | |
| | Electron Spin Resonance | Bioenergy Laboratory | | | | | |
| | Uranium Series | Conservation and Restoration Laboratory | | | | | |

- The Rates applicable are:

Rate A: these are prices charged to members of the CENIEH, for work related to 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: this is applicable to public institutions such as universities and public research bodies (OPIs). It is understood that reciprocity will be applied, so that should the CENIEH need some service from an organization charged at the B rate, the same price considerations shall be applied to the Center. Rate B is obtained by multiplying rate A by a factor of 1.5.

Rate C: this shall be applied to any work whose result is destined for and/or serves the ends of companies and private bodies. Rate C is obtained by multiplying rate A by a factor of 2. - 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 as an extra. - These prices are subject to the current rates of VAT.



ARCHAEOMETRY 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 | 3 | 4 |
| Sample preparation DRX-milling (€/unit) | 2 | 3 | 4 |
| Sample preparation DRX-mortar (€/unit) | 3 | 4.5 | 6 |
| Preparation of samples for Oriented Aggregates (€/unit) | 40 | 60 | 80 |
| Preparation tablet 13 mm (€/unit) | 3 | 4.5 | 6 |
| X-ray diffraction (€/hour) | 5 | 7.5 | 10 |
| Multipurpose platform diffraction (€/hour) | 5 | 7.5 | 10 |
| Identification of phases (€/unit) | 15 | 22.5 | 30 |
| X-RAY FLUORESCENCE | Rate A | Rate B | Rate C |
| Sample preparation FRX-grinding (€/unit) | 2 | 3 | 4 |
| Sample preparation FRX-milling (€/unit) | 2 | 3 | 4 |
| Preparation tablet 13 mm (€/unit) | 3 | 4.5 | 6 |
| Preparation tablet 40 mm (€/unit) | 4 | 6 | 8 |
| Preparation glass bead (€/unit) | 7 | 10.5 | 14 |
| Semi-quantitative analysis (€/unit) | 9 | 13.5 | 18 |
| Quantitative analysis (€/unit) | 12 | 18 | 24 |
| Calculation of LOI (€/unit) | 5 | 7.5 | 10 |
| INFRARED SPECTROSCOPY (FTIR) | Rate A | Rate B | Rate C |
| Sample preparation FTIR-grinding (€/unit) | 2 | 3 | 4 |
| Sample preparation FTIR-milling (€/unit) | 2 | 3 | 4 |
| Preparation tablet 13 mm (€/unit) | 3 | 4.5 | 6 |
| ATR/transmission (€/unit) | 2 | 3 | 4 |
| Use of instrument (€/hour) | 5 | 7.5 | 10 |
| RAMAN MICROSCOPY | Rate A | Rate B | Rate C |
| Use of instrument (€/hour) | 5 | 7.5 | 10 |
| THERMOGRAVIMETRY (TG/DSC) | Rate A | Rate B | Rate C |
| Sample preparation TG/DSC-grinding (€/unit) | 2 | 3 | 4 |
| Sample preparation TG/DSC-milling (€/unit) | 2 | 3 | 4 |
| Use of instrument (€/hour) | 10 | 15 | 20 |
| THERMOGRAVIMETRY (TG/DSC)+FTIR | Rate A | Rate B | Rate C |
| Sample preparation TG/DSC-grinding (€/unit) | 2 | 3 | 4 |
| Sample preparation TG/DSC-milling (€/unit) | 2 | 3 | 4 |
| Preparation tablet 13 mm (€/unit) | 3 | 4.5 | 6 |
| Use of instrument TG+DSC+FTIR (€/hour) | 15 | 22.5 | 30 |
| SCIENTIFIC-TECHNICAL REPORT | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |



| MICRO-COMPUTED TOMOGRAPHY | Rate A | Rate B | Rate C |
|---|--------|--------|--------|
| Sample preparation (€/hour) | 8 | 12 | 16 |
| Establishment of parameters 240 kV (€/hour) | 35 | 60 | 100 |
| Use of scanner 240 kV (€/hour) | 35 | 60 | 100 |
| Establishment of parameters 180 kV (€/hour) | 45 | 75 | 120 |
| Use of scanner 180 kV (€/hour) | 45 | 75 | 120 |
| CoreTOM Establishment of parameters (€/hour) | 35 | 60 | 100 |
| CoreTOM Use of scanner standard (€/hour) | 35 | 60 | 100 |
| CoreTOM Use of scanner <i>in-situ</i> assays (€/hora) | 45 | 75 | 120 |
| Preparing scans: | | | |
| - Between 1 and 5 (€/unit) | 7 | 12 | 20 |
| - Between 6 and 15 (€/unit) | 6 | 11 | 19 |
| - More than 15 (€/unit) | 5 | 10 | 18 |
| Image analysis (€/hour) | 30 | 45 | 60 |
| Training (€/hour) | 30 | 45 | 60 |
| AUTOMATIC MICROSCOPY MORPHOLOGI G3 | Rate A | Rate B | Rate C |
| Use of Morphologic G3 (€/hour) | 10 | 15 | 20 |
| Use of the software (€/hour) | 10 | 15 | 20 |
| ELECTRON MICROSCOPY | Rate A | Rate B | Rate C |
| Sample preparation (€/hour) | 8 | 12 | 16 |
| Use of SEM (€/hour) | 15 | 22.5 | 30 |
| Use EDS/WDS (€/hour) | 17 | 25.5 | 34 |
| Coating with Au (€/sample) | 15 | 22.5 | 30 |
| Coating with C (€/sample) | 10 | 15 | 20 |
| Training (€/hour) | 15 | 22.5 | 30 |
| 3D DIGITAL MICROSCOPY | Rate A | Rate B | Rate C |
| Use of 3D Digital Microscopy | 10 | 15 | 20 |
| CONFOCAL LASER MICROSCOPY | Rate A | Rate B | Rate C |
| Use of Confocal Laser Microscope (€/hour) | 10 | 15 | 20 |
| OPTICAL MICROSCOPY | Rate A | Rate B | Rate C |
| Sample preparation (€/hour) | 8 | 12 | 16 |
| Petrographic analysis (€/hour) | 3 | 4.5 | 6 |
| Metallographic analysis (€/hour) | 3 | 4.5 | 6 |
| Fluorescence analysis (€/hour) | 8 | 12 | 16 |
| SCIENTIFIC-TECHNICAL REPORT | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |

MICROSCOPY AND MICRO-COMPUTED TOMOGRAPHY LABORATORY



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) | 5 | 7.5 | 10 |
| Screening wet/dry (€/hour) | 8 | 12 | 16 |
| Magnetic separator (€/hour) | 30 | 45 | 60 |
| Microwave oven digestion (€/unit) | 9 | 13.5 | 18 |
| 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 |
| 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) | 12 | 18 | 21 |
| without cover (€/unit) | 8 | 12 | 16 |
| with cover (€/unit) | 9 | 13.5 | 18 |
| Medium thin section (LDM) | | | |
| polished (€/unit) | 17 | 25.5 | 34 |
| without cover (€/unit) | 12 | 18 | 24 |
| with cover (€/unit) | 13 | 19.5 | 26 |
| Large thin section (LDG) | | | |
| polished (€/unit) | 20 | 30 | 40 |
| without cover (€/unit) | 14 | 21 | 28 |
| with cover (€/unit) | 15 | 22.5 | 30 |
| SOIL MICROMORPHOLOGY THIN SECTIONS | Rate A | Rate B | Rate C |
| Standard impregnation* (€/unit) | 25 | 37.5 | 50 |
| Soil micromorphology thin sections (€/unit) | 25 | 37.5 | 50 |
| SCIENTIFIC-TECHNICAL REPORT | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |

*Standard impregnation refers to a certain standard size of impregnation cuvette, and the units will be the number of these necessary, or equivalent volume.



GEOCHRONOLOGY: ARCHAEOMAGNETISM

| | | | 1 |
|---|-----------|--------|--------|
| FIELDWORK | Rate A | Rate B | Rate C |
| Taking samples (€/person-day) | 250 | 375 | 500 |
| SAMPLE PREPARATION | Rate A | Rate B | Rate C |
| Sample cutting (hours)+ marking-(€/hour) | 5 | 7.5 | 10 |
| VSM-ambient temperature (qualified user) | Rate A | Rate B | Rate C |
| VSM (€/hour) | 1.5 | 2.25 | 3 |
| VSM (€/day) | 15 | 22.5 | 30 |
| HYSTERESIS LOOPS | Rate A | Rate B | Rate C |
| Hysteresis loops (ambient temperature) - (€/hour) | 2 | 3 | 4 |
| Hysteresis loops (high temperature) - (€/hour) | On reques | t | |
| Hysteresis loops (low temperature*) - (€/hour) | On reques | t | |
| ISOTHERMAL REMANENT MAGNETIZATION (IRM) | Rate A | Rate B | Rate C |
| IRM and AIRM using VSM- (€/hour) | 2 | 3 | 4 |
| IRM magnetic pulses -(€/Unidad) | 2 | 3 | 4 |
| AIRM- IRM Anisotropy-(€/Unidad) | 2 | 3 | 4 |
| FORC | Rate A | Rate B | Rate C |
| Use of equipment at ambient temperature - (€/hour) | 2 | 3 | 4 |
| Use of equipment at low temperature [*] - (€/hour) | On reques | t | |
| ANHYSTERETIC REMANENT MAGNETIZATION (ARM) | Rate A | Rate B | Rate C |
| ARM - (€/unit) | 2 | 3 | 4 |
| AARM- (€/unit) | 2 | 3 | 4 |
| AF/TH DEMAGNETIZATION | Rate A | Rate B | Rate C |
| AF/TH - (€/unit) | 4 | 6 | 8 |
| ANISOTROPY OF MAGNETIC SUSCEPTIBILITY (ASM) | Rate A | Rate B | Rate C |
| ASM- (€/hour) | 7 | 10.5 | 14 |
| USE OF LABORATORY (day) | Rate A | Rate B | Rate C |
| Use of laboratory - (€/day) | 150 | 225 | 300 |
| SCIENTIFIC-TECHNICAL REPORT | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |
| | | | |

*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 of measurement, so that this should be confirmed before undertaking the tests.



GEOCHRONOLOGY: ELECTRON SPIN RESONANCE

| FIELDWORK | Rate A | Rate B | Rate C |
|--|--------|--------|--------|
| Taking samples (€/person-day) | 250 | 375 | 500 |
| HIRE SPECTROMETRY EQUIPMENT | Rate A | Rate B | Rate C |
| No. of days of use of the equipment | 50 | 75 | 100 |
| GAMMA AND BETA DOSIMETRY | Rate A | Rate B | Rate C |
| Sample preparation gamma dosimetry (€/sample) | 18 | 27 | 36 |
| Measurement gamma dosimetry (€/sample) | 18 | 27 | 36 |
| DATING OF QUARTZ | Rate A | Rate B | Rate C |
| No. of samples with separation of quartzes (€/sample) | 180 | 270 | 360 |
| Gamma spectrometry, irradiation and bleaching (€/sample) | 69 | 130.5 | 138 |
| ESR measurement, analysis of results and calculation of age (€/sample) | 151 | 226.5 | 302 |
| DATING OF TEETH | Rate A | Rate B | Rate C |
| No. of samples with separation of tissues (€/sample) | 200 | 300 | 400 |
| Gamma spectrometry, irradiation (€/sample) | 50 | 75 | 100 |
| ESR chemical preparation and measurement, analysis of results and | 350 | 525 | 700 |
| calculation of age (€/sample) | | | |
| GAMMA IRRADIATION | Rate A | Rate B | Rate C |
| Irradiation vials | 0.2 | 0.3 | 0.4 |
| Band I: Less than 30 sample-doses per KGy | 1.5 | 2.25 | 3 |
| Band II: More than 30 sample-doses per KGy | 0.65 | 1 | 1.3 |
| Preparation of vials by the user | 0.2 | 0.3 | 0.4 |
| Preparation of vials by the laboratory | 1.2 | 1.8 | 2.4 |
| SCIENTIFIC-TECHNICAL REPORT | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |

If preparation of a thin section for tooth dating is necessary, for subsequent LA-ICP-MS and calculation of U/Th concentration, the charge for LA-HR-ICP-MS must be added (please see the rates for Uranium Series).

If sediment analysis to determine the U/Th/K ratio is necessary, the corresponding charge for elemental analysis must be added (please see the rates for Uranium Series).



GEOCHRONOLOGY: LUMINESCENCE

| LUMINISCECNE DATING (OSL/IRSL) (€/sample) | Rate A | Rate B | Rate C |
|---|--------|--------|--------|
| Includes: sample preparation (quartz or feldspar extraction), OSL measurement, dose rate determination, age estimation and brief report describing methodology and results. | 372 | 558 | 744 |
| | | | |
| USE OF LUMINESCENCE READER* (€/sample) | Rate A | Rate B | Rate C |
| Use of luminescence reader by a qualified user | 102 | 150 | 201 |
| Training (€/hour) | 15 | 22,5 | 30 |
| RENTAL OF PORTABLE GAMMA SPECTROMETER | Rate A | Rate B | Rate C |
| Equipment rental (€/day) | 50 | 75 | 100 |
| FIELDWORK | Rate A | Rate B | Rate C |
| Sample collection (€/day). Price per person | 250 | 375 | 500 |
| SCIENTIFIC-TECHNICAL REPORT | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |

*In order to be accepted as a qualified user, previous experience in the use of Risø luminescence readers is essential and a training session (1-2 hours) must be undertaken. The user will be assigned reader time according to the characteristics of the samples to be measured. The activity will be monitored by the supervisor of the radioactive facility IRA 3015.

Partial work (quartz or feldspar extraction, OSL measurement, high resolution gamma spectrometry or beta counting) is available on request, subject to specific rates.



GEOCHRONOLOGY: COSMOGENIC NUCLIDE DATING LABORATORY

| COSMOGENIC NUCLIDE DATING (€/sample) | Rate A | Rate B | Rate C |
|---|----------|--------|--------|
| Total sample preparation for 10Be (and where necessary, | 250 | 375 | 500 |
| 26Al) analysis (€/sample) | | | |
| Crushing and sieving (€/sample) | 20 | 30 | 40 |
| 2. Quartz extraction and purification (including | 140 | 210 | 280 |
| magnetic separation, density separation and acid | | | |
| ething) (€/sample) | | | |
| 3. Beryllium (and where necessary, aluminium) | 90 | 135 | 180 |
| extraction (including quartz digestion, HF fuming, | | | |
| ion exhcnage chromatography, hydroxide | | | |
| precipitation) (€/sample) | | | |
| | | | |
| MEDIDA POR AMS (€/sample) | Rate A | Rate B | Rate C |
| On request* | On reque | st* | |
| TRABAJO DE CAMPO | Rate A | Rate B | Rate C |
| Taking samples (€/person/day) | 250 | 375 | 500 |
| INFORME CIENTÍFICO-TÉCNICO | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |

Actual sample preparation procedure will be variable depending on material types, sample availability and required measurements (exposure ages, erosion rates, burial ages, etc.).

AMS analysis for 10Be (and 26Al where necessary) will be carried out in the partner AMS facilities. The additional cost for AMS analysis may be charged. It is recommended consult with the researcher's lab before proposal submissions.

When 26AI analysis is necessary, ICP-OES analysis for intrinsic AI concentration in quartz is required. The additional cost for ICP-OES analysis may be charged, according to the cost table for U-series Laboratory in CENIEH.



GEOCHRONOLOGY: URANIUM SERIES

| FIELDWORK | Rate A | Rate B | Rate C |
|--|--------|--------|--------|
| Taking samples (€/person-day) | 250 | 375 | 500 |
| URANIUM SERIES DATING | Rate A | Rate B | Rate C |
| Physical evaluation of the sample/subsampling (€/sample) | 36 | 48 | 72 |
| Chemical separation (€/sample) | 120 | 180 | 240 |
| Measurement of MC-HR-ICP-MS (€/sample) | 224 | 336 | 448 |
| MULTIELEMENTAL ANALYSIS | Rate A | Rate B | Rate C |
| Physical preparation of the sample (€/hour) | 5 | 7.5 | 10 |
| Microwave digestion of sample (€/sample) | 9 | 13.5 | 18 |
| No. samples-Band I (1-10)-OES (€/sample) | 15 | 22.5 | 30 |
| No. samples-Band II (11-20)-OES (€/sample) | 13 | 19.5 | 26 |
| No. samples-Band III (21-30)-OES (€/sample) | 10 | 15 | 20 |
| No. samples-Band IV (31-40)-OES (€/sample) | 8 | 12 | 16 |
| No. samples-Band V (41-50)-OES(€/sample) | 7 | 10.5 | 14 |
| No. samples-Band VI (51-80)-OES (€/sample) | 6 | 9 | 12 |
| No. samples-Band VII (>80)-OES (€/sample) | 5.5 | 8.25 | 11 |
| No. samples-Band I (1-10)-HRMS (€/sample) | 30 | 45 | 60 |
| No. samples-Band II (11-20)-HRMS (€/sample) | 26 | 39 | 52 |
| No. samples-Band III (21-30)-HRMS (€/sample) | 20 | 30 | 40 |
| No. samples-Band IV (31-40)-HRMS (€/sample) | 16 | 24 | 32 |
| No. samples-Band V (41-50)-HRMS (€/sample) | 14 | 21 | 28 |
| No. samples-Band VI (51-80)-HRMS (€/sample) | 12 | 18 | 24 |
| No. samples-Band VII (>80)-HRMS (€/sample) | 11.5 | 17.25 | 23 |
| SCIENTIFIC-TECHNICAL REPORT | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |

If the samples are measured by LA-ICP-OES or LA-HR-ICP-MS, the same rates will apply, but digestion of the samples will not be included as they do not require this kind of preparation.

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



DIGITAL AND MULTIMEDIA MAPPING

| FIELDWORK | Rate A | Rate B | Rate C |
|---|----------|----------|----------|
| Fieldwork (€/person-day) | 250 | 375 | 500 |
| GEOFÍSICA | Tarifa A | Tarifa B | Tarifa C |
| Electrical tomography (€/día) | 150 | 300 | 600 |
| Ground penetrating radar (€/día) | 100 | 440 | 300 |
| AERIAL CARTOGRAPHY | Rate A | Rate B | Rate C |
| Previous budget needed | | | |
| 2D PRINTING | Rate A | Rate B | Rate C |
| Premium glossy paper | 25 | 40 | 50 |
| Photographic paper | 23 | 25 | 46 |
| Ordinary paper | 10 | 15 | 20 |
| TOPOGRAPHY | Rate A | Rate B | Rate C |
| Robotic total station TS15 (€/ day) | 65 | 85 | 85 |
| Robotic total station TS15 (€/ week) | 200 | 250 | 300 |
| Robotic total station TS15 (€/month) | 450 | 550 | 650 |
| Manual total station TS02 (€/ day) | 30 | 40 | 50 |
| Manual total station TS02 (€/ week) | 100 | 120 | 150 |
| Manual total station TS02 (€/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 |
| Previous budget needed | | | · |
| 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 or desktop 3D laser scanner (€/ day) | 30 | 120 | 170 |
| Handheld or desktop 3D laser scanner (€/ week) | 200 | 500 | 700 |
| Handheld or desktop 3D laser scanner (€/ month) | 350 | 1000 | 2000 |
| SCIENTIFIC-TECHNICAL REPORT | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |

Specific conditions:

- The rates do not include loan for service outside the laboratory of the applications for subsequent data processing: only the programs necessary for discharging and basic evaluation of the data are included. Subsequent elaborations of the data shall be considered and charged for separately, as part of scientific-technical reports.
- 2) The rates include the loan of field portables for the desktop scanners only.



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

be liable for the policy excess.



CONSERVATION AND RESTORATION

| FIELDWORK | Rate A | Rate B | Rate C |
|---|--------------|--------|--------|
| Consultancy, Conservation and Intervention in situ (€/person-day) | 250 | 375 | 500 |
| TECHNICAL CONSULTANCY | Rate A | Rate B | Rate C |
| Analysis of state of conservation of cultural, archaeological and | 15 | 22.5 | 30 |
| paleontological assets (€/ hour) | | | |
| Preventive conservation in museum halls and deposits (physical and | 15 | 22.5 | 30 |
| environmental compliance, exhibition systems, transport, etc.) (€/ hour) | | | |
| Curative conservation and restoration (€/ hour) | 15 | 22.5 | 30 |
| Application of analytical techniques to cultural assets | 15 | 22.5 | 30 |
| (€/ hour) | | | |
| INTERVENTION ON CULTURAL, ARCHAEOLOGICAL AND/OR | Rate A | Rate B | Rate C |
| PALEONTOLOGICAL ASSETS-PREVENTIVE CONSERVATION | | | |
| Environmental tracking and active control (RH, T, lighting systems, | 15 | 22.5 | 30 |
| atmospheric contaminants) (€/ hour) | 45 | 22.5 | 20 |
| Active pest control (€/ hour) | 15 | 22.5 | 30 |
| Physical conditioning (deposit/transport) (€/ hour) | 15 | 22.5 | 30 |
| Design of preventive conservation plan/ collections emergency plan (€/ | 600 | 900 | 1200 |
| week) | 15 | 22.5 | 20 |
| Temporary physical conditioning (€/ hour) | 15 Data A | 22.5 | 30 |
| INTERVENTION ON CULTURAL, ARCHAEOLOGICAL AND/OR | Rate A | Rate B | Rate C |
| PALEONTOLOGICAL ASSETS-CURATIVE CONSERVATION & | | | |
| RESTORATION | 45 | 22.5 | 20 |
| Desiccation (active control) (€/ hour) | 15 | 22.5 | 30 |
| Stabilization: desalting (€/ hour) | 15 | 22.5 | 30 |
| Inhibition of metal corrosion (€/ hour) | 15 | 22.5 | 30 |
| Protection (€/ hour) | 15 | 22.5 | 30 |
| Biocide treatments (€/ hour) | 15 | 22.5 | 30 |
| Cleaning of surfaces/ elimination of crusts (mechanical-chemical) (€/ hour) | 15 | 22.5 | 30 |
| Surface stabilization, timely internal consolidation, by suction or | 15 | 22.5 | 30 |
| immersion (€/ hour) | 45 | 22.5 | 20 |
| Volumetric reconstruction (€/ hour) | 15 | 22.5 | 30 |
| Volumetric reintegration (€/ hour) | 15 | 22.5 | 30 |
| Chromatic reintegration (€/ hour) | 15 | 22.5 | 30 |
| MOLDS AND REPLICAS | Rate A | Rate B | Rate C |
| Master and first replica-Up to 10 cm (unit) | 60 | 90 | 120 |
| Master and first replica-From 10 cm-20 cm (unit) | 87 | 130 | 174 |
| Master and first replica-From 20 cm-30 cm (unit) | 115 | 172 | 230 |
| Master and first replica-From 30 cm-80 cm (unit) | 180 | 270 | 360 |
| Master and first replica-More than 80 cm-price on application | - | - | - |
| Delivery of master-Up to 10 cm (unit) | 180 | 270 | 360 |
| Delivery of master-From 10 cm-20 cm (unit) | 261 | 391.5 | 522 |
| Delivery of master-From 20 cm-30 cm (unit) | 345 | 517.5 | 690 |
| Delivery of master-From 30 cm-80 cm (unit) | 540 | 810 | 1080 |



| Delivery of master-More than 80 cm-price on application | - | - | - |
|---|--------|--------|--------|
| Second and subsequent replicas-Up to 10 cm (unit) | 30 | 45 | 60 |
| Second and subsequent replicas-From 10 cm-20 cm (unit) | 43 | 64.5 | 86 |
| Second and subsequent replicas-From 20 cm-30 cm (unit) | 57 | 85.5 | 114 |
| Second and subsequent replicas-From 30 cm-80 cm (unit) | 90 | 135 | 180 |
| Second and subsequent replicas-More than 80 cm-price on application | - | - | - |
| Chromatic reintegration-Up to 10 cm (unit) | 35 | 52.5 | 70 |
| Chromatic reintegration-From 10 cm-20 cm (unit) | 70 | 105 | 140 |
| Chromatic reintegration-From 20 cm-30 cm (unit) | 105 | 157.5 | 210 |
| Chromatic reintegration-From 30 cm-80 cm (unit) | 175 | 262.5 | 350 |
| Chromatic reintegration-More than 80 cm-price on application | - | - | - |
| SCIENTIFIC-TECHNICAL REPORT | Rate A | Rate B | Rate C |
| Scientific-Technical Report (€/day) | 95 | 142.5 | 190 |
| Scientific-Technical Report (€/hour) | 45 | 67.5 | 90 |