DIGITAL, INNOVATION, AND GREEN TECHNOLOGY PROJECT (DIGIT PROJECT)

DIGIT
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REPUBLIKA HRVATSKA
Ministry of Science, Education and Youth

THE WORLD BANK
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REPUBLIC OF CROATIA

MINISTRY OF SCIENCE, EDUCATION AND YOUTH

Donje Svetice 38, Zagreb 10 000, Croatia

DIGITAL, INNOVATION, AND GREEN TECHNOLOGY PROJECT (DIGIT PROJECT)

IBRD LOAN NO. 9558-HR

PROJECT ID: P180755

ESMP CHECKLIST

DIGIT.1.1. Strengthening the institutional infrastructure for research and innovation policy

DIGIT.1.1.04 Equipping of Laboratories and Facilities of the Croatian Forest Research Institute

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CONTENTS

Introduction

The ESMP Checklist provides pragmatic good practices and is designed to be user-friendly and compatible with World Bank safeguard requirements. The checklist format covers typical mitigation measures relevant primarily to equipment procurement, transport, installation, and use. In addition, the ESMP Checklist includes selected measures related to the construction of new laboratories and the retrofitting of existing buildings of the Croatian Forest Institute, which are not financed under this project but are subject to due diligence and audit, including review of available documentation and, where feasible, site verification.

This document will help assess potential environmental impacts associated with the proposed project, identify potential environmental improvement opportunities and recommend measures for the prevention, minimization and mitigation of adverse environmental and social impacts.

ESMP Checklist is a document prepared and owned by final beneficiary. The Beneficiary is responsible for the implementation of the ESMP Checklist as well as any subsequent corrective measures prescribed by PIU and WB.

The ESMP Checklist will be included in contracts related to the procurement of equipment and associated services (e.g. delivery, installation, and maintenance), where relevant.

The Equipping of Laboratories and Facilities of the Croatian Forest Research Institute is financed by the Digital, Innovation, and Green Technology (DIGIT) Project. The DIGIT Project, a EUR 106 million initiative, aims to drive digital transformation and green transition across the economy, increase funding for industrial research and experimental development, and support the Croatian government in strengthening institutional capacity for delivering research and innovation (R&I) policies. Funded through a World Bank (WB) loan signed in June 2023, the DIGIT Project is scheduled for completion by December 2028. The Call is implemented under the program Research, technology, and innovation infrastructure projects, which is established to strengthen the capacity of strategically significant research infrastructure (RI) that directly supports the development of human resources for scientific research and collaboration with the private sector.

The checklist is structured as follows:

A. Projects Description
B. Mitigation Measures
C. Monitoring and Reporting

Part A. Project Description - constitutes a descriptive part that describes the project specifics in terms of project objective and activities, environmental and social impact identified and the list of mitigation measures to comply with.

Part B. Mitigation Measures - includes the environmental and social mitigation measures structured according to the categories and aspects they address.

Part C. Monitoring and Reporting is a monitoring plan for activities during project implementation. It retains the same format required for standard World Bank ESMPs.

ESMP Checklist will be publicly disclosed and consulted by publishing on the DIGIT web

page and on the beneficiary's web page for two weeks.

ESMP Checklist implementation report will be submitted to WB semiannually.

Part B and Part C of the ESMP Checklist shall be included in bidding documents for the procurement of equipment and associated services (e.g. delivery, installation, and maintenance).

GRM-related obligations shall be reflected, where applicable, in procurement and contracting processes for suppliers, installers, and service providers involved in equipment delivery, installation, and maintenance. Relevant contractors and service providers shall be informed of and expected to comply with project grievance redress procedures during the implementation of their activities.

Project activities shall comply with the ethical provisions outlined in the Code of Ethics and uphold the highest ethical standards.

A. Project Description

The project Equipping of Laboratories and Facilities of the Croatian Forest Research Institute (hereafter: Project) represents a strategic national investment aimed at strengthening RI in the field of biotechnical sciences, specifically in forestry and horticulture. Located at CFRI's headquarters in Jastrebarsko, Croatia, the upgraded RI will enhance the CFRI's capacity to perform high-quality fundamental and applied research of national importance. Through this investment, CFRI will significantly advance its analytical, experimental, and monitoring capabilities, enabling more precise, comprehensive and methodologically advanced research. The enhanced RI will directly support the development of innovative approaches in forest ecosystem management, biodiversity conservation, climate change impact assessment, and the sustainable use of natural resources.

The Project focuses exclusively on equipping facilities and establishing additional laboratory capacities, enabling CFRI to operate modern, efficient, and technically advanced research spaces. The upgraded RI will provide a strengthened basis for interdisciplinary research activities and create improved conditions for collaboration with other research organizations, higher education institutions, public authorities, and the industry sector. This will support the broader integration of scientific knowledge into practical applications in forestry, biodiversity monitoring, and environmental management. By modernising its RI, CFRI will strengthen its ability to participate competitively in national and international research, development and innovation (RDI) programmes, enhance the translation of scientific results into operational and policy-relevant practices, and reinforce Croatia's overall capacity to address key societal challenges, including climate resilience, sustainable natural resource management, and environmental protection.

Activities Related to the Project

Activities related to the Project include construction of new laboratories and the retrofitting of existing buildings that started at the beginning of April 2026 at the location in Jastrebarsko, Cvjetno naselje 41, cadastral parcel no. 1020, Cadastral Municipality of Jastrebarsko. The planned duration of construction works is 6 months. The construction works are financed under the National Recovery and Resilience Plan (NRRP/NPOO).

Functional improvements include the retrofitting of existing facilities within the CRFI premises and the extension through the construction of a new building, with the aim of addressing insufficient spatial capacity, inadequate working conditions in existing premises, inadequate use of scientific potential, and organizational obstacles faced daily by the staff. These issues limit the CRFI's researchers in terms of the scope, relevance, and quality of scientific outputs and consequently reduce the Institute's capacity to provide services to scientific organizations, business entities, higher education institutions, and other development stakeholders in the Republic of Croatia.

The total net floor area of the retrofitted and new facilities will be 2633 m².

Audit of the Construction Works

Before the installation of the equipment the audit of the new and retrofitted facilities will

be conducted by the PIU. The audit will include:

- Review of the documents i.e. use permit, final report of the supervising engineer
- Site inspection.

Project Activities

The project activities include equipping of laboratories and facilities of the Croatian Forest Research Institute in Jastrebarsko.

The Project will be implemented in facilities that are currently under construction. The equipment that will be used in field research i.e. The Laboratory for Remote Sensing and Geoinformation in Forestry and Environment (LABDIG) will be procured during the construction works. The rest of equipment will be delivered after facilities are fully completed, especially special walk-in climatic chambers, and other laboratory equipment that needs special rooms and laboratory furniture.

Summary of the Procurement plan (March 2026)

Procurement number	Name of the procurement procedure	Planned start of procurement	Planned date of signed contract	Planned duration of contract (months)
1.	**Project management and administration services**	10/03/2026	01/04/2026	28
2.	**Project visibility, communication and dissemination**	01/04/2026	30/04/2026.	27
3.	**Procurement of portable scientific equipment and workstations**			
Group 1	Mobile computing equipment	15/04/2026	01/07/2026	3
Group 2	Automatic meteorological station	15/04/2026	01/07/2026	3
Group 3	Suction cup lysimeter	15/04/2026	01/07/2026	3
Group 4	High-performance computing workstations	15/05/2026	01/08/2026	3
Group 5	Remote sensing and geospatial data acquisition equipment	15/05/2026	01/08/2026	4
Group 6	Tree tomograph diagnostic tool	15/05/2026	01/08/2026	5
Group 7	Basic laboratory preparation equipment	15/05/2026	01/08/2026	2
Group 8	Plant phenotyping and hyperspectral imaging systems	15/05/2026	01/08/2026	4

Group 9	Percussion drilling and split tube sampler set	15/05/2026	01/08/2026	2
4.	**Procurement of furniture and non-scientific equipment**			
Group 1	Office furniture and workspace equipment	01/02/2027	01/04/2027	6
Group 2	Laboratory furniture and basic equipment	01/02/2027	01/04/2027	6
Group 3	Kitchenette and café bar furnishing and equipment	01/02/2027	01/04/2027	6
5.	**Procurement of research equipment for laboratories**			
Group 1	General IT and data management equipment	01/04/2027	15/06/2027	6
Group 2	General and supporting laboratory equipment, accessories and tools	01/04/2027	15/06/2027	6
Group 3	Laboratory refrigeration and storage equipment	01/04/2027	15/06/2027	6
Group 4	Advanced laboratory infrastructure and biosafety equipment	01/04/2027	15/06/2027	6
Group 5	Molecular biology imaging and sample tracking systems	01/04/2027	15/06/2027	6
Group 6	Stereomicroscope with camera	01/04/2027	15/06/2027	6
Group 7	Germination cabinet	01/04/2027	15/06/2027	6
Group 8	Digital radiography device	01/04/2027	15/06/2027	6
Group 9	Seed divider	01/04/2027	15/06/2027	6
Group 10	Advanced chemical and isotope analytical instruments	01/04/2027	15/06/2027	6
Group 11	Laboratory management information systems	01/04/2027	15/06/2027	6
Group 12	Sample preparation and processing equipment	01/04/2027	15/06/2027	6
6.	**Procurement of software for project implementation**			

Group 1	Remote sensing and geospatial processing software	15/05/2026	01/08/2026	4
Group 2	Software for advanced groundwater and subsurface process modelling	15/05/2026	01/08/2026	2
Group 3	Software for advanced statistical analysis and data analytics	15/05/2026	01/08/2026	2
Group 4	Software for numerical computing and scientific data analysis	15/05/2026	01/08/2026	2
Group 5	Software for Anti-Virus Protection of Research Data	01/04/2027	15/06/2027	6

1. The Molecular-Genetic Laboratory

The molecular-genetic laboratory will be equipped with a complete set of instruments for molecular-genetic analyses. Core equipment includes centrifuges of various capacities (standard, high-capacity, micro, and micro-spin) and sample preparation tools such as a sample crusher, mixer, and automated DNA extraction device, enabling efficient and reproducible DNA isolation. Devices, including thermal and gradient PCR thermocyclers, a three-block PCR system, gel electrophoresis units, and a densitometer, will support DNA amplification, visualisation, and quantification. Accurate liquid handling will be ensured with precision pipettes, while instruments such as a hot-bead steriliser, laboratory microwave, magnetic hotplate stirrer, vortex mixer, and pH meter will support reagent preparation and quality control. Storage of DNA samples, reagents, and enzymes will be maintained in laboratory refrigerators, freezers, and an ultra-low-temperature freezer, supplemented by an icemaker and a compact under-counter refrigerator. A 2D barcode sample storage system will provide traceability and efficient management of samples. Sterilisation and safety will be secured by a vertical steam autoclave, fume hood, drying ovens, a washer with drying system, a laminar flow cabinet, and a dry hot-air steriliser. Environmental conditions for incubation and microbial growth will be regulated by a reach-in climatic chamber, drying oven, and orbital incubator shaker. Accurate measurements will be supported by an analytical balance and an ultrapure water system, which will provide high-purity Type I water free from RNase, DNase, organic compounds, and particulates, essential for sensitive molecular biology applications such as PCR, DNA extraction, and preparation of reagents and buffers. Data processing and documentation will be handled by a high-performance desktop workstation and a stereomicroscope with a camera for microscopic imaging of biological samples. All devices will be placed and used in the molecular-genetic laboratory.

2. The Seed Testing Laboratory

The Seed Testing Laboratory will be equipped with the following devices: The germination

cabinet will ensure controlled temperature, humidity, light, and air circulation necessary for reliable germination tests of forest tree species, improving the reproducibility of laboratory analyses. The Boerner seed divider provides accurate and uniform division of seed samples into representative subsamples for testing, ensuring homogeneity while minimising dust and noise. A digital radiography device will enable non-destructive, high-resolution imaging of seeds for assessing internal structures, viability, and damage, supporting precise quality evaluation. The seed counter will ensure rapid and accurate counting of seeds during purity, viability, and germination analyses. The laboratory information system will provide a digital platform for managing documentation, test results, and data traceability in compliance with international ISTA/OECD standards. Desktop and laptop computers, along with peripheral equipment, will support software operations, data processing, and the preparation of reports. A tabletop magnifier will enhance visual accuracy during purity and vitality analyses by improving the visibility of seed categories and impurities. Finally, the walk-in cold room will provide stable temperature-controlled conditions for maintaining seed viability and quality during medium- and long-term conservation, ensuring optimal preservation and organised storage of seed material. All devices will be placed and used in the Seed Testing Laboratory.

3. The Entomological, Pathological, and Microbiological Laboratories

Entomological, pathological, and microbiological laboratories will be equipped with a reach-in climatic chamber, a sealed, self-contained unit used to create and maintain a precisely controlled environment of temperature and humidity. It is typically a cabinet-sized appliance with a door and shelves. The chamber simulates various climatic conditions, enabling studies of insects and fungi, particularly quarantine forest species. A walk-in climatic chamber serves the same fundamental purpose as a reach-in chamber but is a much larger, room-sized structure that can accommodate large equipment, vehicles, or a high volume of samples. This allows for environmental testing of large items or for personnel to work inside the chamber while observing and manipulating tests under controlled conditions. This is completely isolated unit and it is essential part of equipment BSL-2 laboratory. The laboratories will be upgraded to BSL-2 laboratory, as the only BSL-2 laboratory in forest research in Croatia and neighbouring countries. A laboratory refrigerator is a cold-storage unit designed to store samples, reagents, and media at temperatures typically between 2 and 8 °C. Unlike a domestic refrigerator, it provides superior temperature uniformity, stability, and security. Features such as forced-air cooling, built-in alarms for temperature excursions, and specialized shelving ensure the integrity and safety of stored materials. A laboratory deep freezer is used for the long-term storage of biological samples, chemicals, and reagents at ultra-low temperatures, often between -20 °C and -86 °C. These freezers are engineered for stability and reliability, featuring robust insulation, alarms for temperature fluctuations, and backup systems to protect valuable samples from degradation. They are indispensable for applications requiring the preservation of biological integrity over extended periods. A drying and sterilizing oven is a high-temperature chamber used for two primary functions: drying samples or glassware to remove all traces of moisture, and sterilizing heat-stable equipment and materials. For sterilization, the oven operates at very high temperatures

(e.g., 160–180 °C) for a specific duration, effectively destroying microorganisms and preventing contamination. A precision laboratory weighing scale, or analytical balance, is an instrument designed for highly accurate and precise measurement of mass. These scales have high resolution, allowing them to measure minute quantities with minimal error (e.g., to 0.0001 g or smaller). The scale will be used for weighing insect parts, chemicals and other materials in the laboratory. An autoclave is a sterilization device that uses high-pressure saturated steam to kill microorganisms and spores. It is an essential piece of equipment in microbiology, medicine, and other fields requiring a sterile environment. The high temperature and pressure of the steam penetrate materials effectively, making it a reliable method for sterilizing glassware, instruments, laboratory waste, and other heat-resistant items. A laminar flow cabinet, or clean bench, is an enclosed workspace that creates a sterile, particle-free environment for handling sensitive materials. It uses a high-efficiency particulate air (HEPA) filter to produce a unidirectional, or laminar, flow of air that constantly washes over the work surface. This airflow prevents contaminants from entering the work area, making it ideal for procedures involving fungal, microbiological cultures, or preparing sterile media and reagents.

4. The Laboratory for Physical and Chemical Analysis (LPCA)

The Laboratory for physical and chemical analysis (LPCA) will be equipped with high tech instrumentation for soil, plant, water and air analysis. The laboratory will be equipped by following instrumentation: for samples preparation ball and centrifugal mills (for soil and plant material) will be used for griding samples in fine particles ensuring homogeneity while reducing dust for nutrients or heavy metal determination while a laboratory dryer will be used for drying of samples, chemicals, standards on the right temperature before further analyses. Automatic calcimeter will be used for precise determination of carbonate content in soils, while pipette apparatus will determine the difference in sedimentation speed between small and large soil particles improving the reproducibility of laboratory analyses. Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) is an analytical technique will used to determine the elemental composition of various samples. ICP-OES has the ability to detect nutrient, heavy metals and trace elements with high sensitivity and accuracy which is essential in environmental monitoring. UV/VIS spectrophotometry will provide insights into chemical composition and concentration of e.g. nutrient phosphorus in different type of sample as well as different oxidative stress parameters in plants and trees before visual damage occurs. Microwave digestion system will help to safely decompose sample materials into solutions suitable for quantitative elemental analysis (e.g. ICP OES, UV/VIS) significantly speeding up the sample preparation process. Ion Chromatograph will be used to achieve accurate analysis results of ion concentrations in water as well as screening of contaminants in water and air. Total organic carbon and total nitrogen analyzer (TOC/TN) will determine with repeatability, reproducibility and precision the most important components of sediments and water as they can be used to distinguish terrestrial sources of organic matter, environmental depositional conditions, pollution indices. Mercury analyzer will be used to measure precise mercury levels in various samples, crucial for environmental monitoring, Accurate sample handling will be ensured with precision pipettes taking in the account safety protection measures while instruments such as laboratory magnetic stirrer, waterbath will support sample and/or standard and reagent preparation as well as adjustment of temperature according to different method

needs. Sterilization and safety will be secured by fume hoods (digestor), dishwasher with drying system and laminar flow cabinet while chemicals will be stored in Safety Cabinet for flammable chemicals, acids and reagents. Storage of water samples will be maintained in laboratory refrigerator. Accurate measurements will be supported by an analytical balance and an ultrapure water system, which will provide high-purity water free from organic compounds, and particulates, essential for sensitive water analyses and preparation of reagents and buffers. The laboratory information management system will provide a digital platform for managing documentation, test results, and data traceability in compliance with international ISO standards and UN EC ICP Forests Manuals.

5. The Ecophysiological Laboratory

The ecophysiological laboratory will be equipped with new instrumentation and supporting equipment necessary for various analyses of plant ecophysiological characteristics and sample preparation and storage: The ultra-low temperature freezer will enhance the research capacity of the Ecophysiological Laboratory and will be used for continuous storage and long-term preservation of biological samples for oxidative stress analyses under controlled ultra-low temperature conditions. The refrigerated centrifuge will enable the preparation of temperature-sensitive samples. Bead mill will enable precise homogenization of lyophilized samples for biochemical analyses. Mini-rotator will enable gentle and uniform homogenisation of liquid samples. The thermal block will enable controlled heating of plant extract supernatants for protein and specialized metabolite analyses. Ultrasonic bath will expand the functional scope of the Ecophysiology Laboratory by enabling efficient extraction and homogenization of samples for biochemical analyses, as well as cleaning and degreasing of metal instruments and containers, ensuring reproducible and high-quality laboratory results. The isotope ratio mass spectrometry instrumentation will upgrade the capacity of the Ecophysiology Laboratory and will be used for the precise determination of stable isotope ratios (^{13}C, ^{15}N, ^{34}S, ^{2}H, and ^{18}O) in solid and liquid samples, supporting advanced analyses of tree-ring composition and environmental conditions reconstruction. The water bath will enhance the research capacity of the Ecophysiology Laboratory by enabling controlled heating and preparation of solutions in larger containers, or larger series of smaller containers, e.g. in extracting wood cellulose for isotope determination. The scales are needed for measurement and continuous monitoring of the mass of liquified CO2 and CO mixtures used in isotope analysis. Field equipment consists of various instrumentation necessary for fully equipping 7 ICP Forests Level II intensive monitoring plots: The meteorological stations will enable continuous collection and recording of weather data and will be powered by solar panels, ensuring autonomous operation in the field, with local data logging and/or data transmission to a server. The suction cup lysimeters will enable continuous field monitoring and collection of soil pore water. The tablet will enable field and laboratory data collection, digital completion of QA/QC forms, GPS geotagging of measurements, photo/video documentation of sampling, and fast data transfer to the server and research/ management apps. This reduces processing time, lowers error rates, and improves data reliability.

6. The Laboratory for Adapted Forest Reproductive Material (LABADAPT)

Laboratory for adapted forest reproductive material (LABADAPT): Walk-in chamber (12,000 l), handheld hyperspectral camera, a hyperspectral system for phenotyping forest seedlings in controlled laboratory conditions, a hyperspectral system for field phenotyping forest seedlings/saplings in forest ecosystem, computer software for analyzing the collected images. The purpose of the equipment in LABADAPT is to: set the measurable standards for the production of quality and adapted forest planting material in Croatia, both in the sense of enhancement of techniques for growing seedlings in nurseries and for increase of the out-planting success in forest ecosystems, to improve the knowledge related to improvement of seed germination and to enhance survival and development of seedlings and saplings naturally regenerated in forest ecosystems, to make comparison between plants from naturally regenerated forest ecosystems with plants grown in nurseries and to gain knowledge for natural processes to improve nursery production in Croatia. Procured equipment will be used in controlled laboratory environment and natural ecosystem environment.

7. The Laboratory for Remote Sensing and Geoinformation in Forestry and Environment (LABDIG)

The project includes the procurement of advanced scientific equipment and software to equip and enhance the research capacity of the Laboratory for Remote Sensing and Geoinformation in Forestry and Environment (LABDIG). The equipment consists of high-performance workstations, mobile workstations, and a secure network storage server for processing, analysing, and managing large datasets derived from remote sensing and geospatial research. Field data acquisition capability will be expanded through the purchase of a multirotor UAV system, compatible LiDAR and photogrammetric sensors, handheld mobile laser scanners (both high-end and entry-level), a GNSS and robotic total station hybrid positioning system, and a portable spectroradiometer for vegetation analysis. These instruments will support the collection of 3D spatial data and spectral measurements in forest ecosystems. The acquisition of professional software for spatial data processing, LiDAR analysis, photogrammetry, statistical analysis, and numerical computing will further strengthen the laboratory infrastructure. The equipment will be installed in the LABDIG Laboratory, while field instruments will be used in forested research areas to support interdisciplinary studies in precision forestry, remote sensing, vegetation monitoring, and environmental modelling.

B. Mitigation Measures

1. Civil Works (Due diligence and audit)

The following measures will be subject to ex-post verification by the Project Implementation Unit (PIU) as part of a due diligence and audit process for civil works not financed under the project. The PIU will review available documentation and, where feasible, conduct site verification to confirm that relevant environmental, health and safety, and regulatory requirements have been implemented.

Category	**CIVIL WORKS**
Aspect	**Proposed mitigation measures**
Regulatory Compliance	1. Verify that all required permits and approvals (construction and use permits) have been obtained.
	2. Confirm that works are carried out in compliance with applicable national legislation of the Republic of Croatia.
	3. Confirm that the contractor holds all required licenses and authorizations.
Environmental Due Diligence	4. Review whether an environmental assessment (if applicable) has been conducted.
	5. Review available evidence to confirm that construction and related waste were properly handled and disposed of in line with applicable legislation.
	6. Confirm proper handling and disposal of construction and hazardous waste through authorized entities.
	7. Ensure electronic waste segregation, temporary storage, handling, transportation, treatment, and final disposal are carried out in accordance with applicable national legislation.
Occupational	8. Review available information to confirm that occupational health and safety requirements were

Category	CIVIL WORKS
Aspect	**Proposed mitigation measures**
Health and Safety (OHS)	implemented during construction works, including the use of appropriate procedures and measures.
	9. Confirm that workers are trained and equipped with appropriate Personal Protective Equipment (PPE).
	10. Confirm that the construction site is secured (fencing, signage, restricted access).
Community Health, Safety, and Protection of Users	11. Construction activities shall not pose risks to the health and safety of staff, visitors, and other users of the facility or the surrounding community.
	12. Measures shall be implemented to prevent unauthorized access by third parties, including vulnerable persons.
	13. Facility users shall be informed in advance about the scope, timing, and duration of construction works.
Pollution Prevention (Dust, Noise)	14. Verify that measures are in place to control dust emissions (e.g. water spraying, covering materials).
	15. Confirm implementation of noise control measures and compliance with permitted working hours.
Community Health and Safety	16. Confirm that the construction site does not pose risks to the local community.
	17. Verify adequate traffic management and safe access around the site.
	18. Confirm that warning signs and barriers are properly installed.
Monitoring and	19. Obtain and review supervision reports (e.g. supervising engineer, inspection reports).

Category	CIVIL WORKS
Aspect	**Proposed mitigation measures**
Reporting	20. Verify that any non-compliances are addressed in a timely manner.
	21. Conduct, where feasible, a site visit prior to commissioning of the laboratory facilities.

2. Resource Efficiency and Energy Management

The following measures outline recommended approaches to support resource efficiency and energy management in equipment procurement and operation, taking into account technical and operational requirements.

Category	EQUIPMENT
Aspect	**Proposed mitigation measures**
Energy Efficiency of Equipment	1. Energy-efficient equipment compliant with relevant EU standards (e.g. Energy Star, EU Ecolabel or equivalent) shall be selected whenever such options are available and suitable for the intended use.
	2. Where applicable and without compromising functional or performance requirements, prioritize low-energy consumption devices.
	3. Where applicable and without compromising performance or operational requirements, ensure that high-performance workstations and servers are energy-optimized (e.g. power management settings enabled where appropriate).
Energy Use Optimization	4. Automatic power-saving modes (e.g. sleep/hibernate) are to be applied for IT equipment, particularly end-user devices, where compatible with operational needs.
	5. Ensure all equipment is switched off when not in use.

Category	EQUIPMENT
Aspect	**Proposed mitigation measures**
	6. Optimize use of laboratory equipment to avoid unnecessary operation time.
	7. Where practicable, plan and organize high-energy-consuming activities to optimize energy use (e.g. grouping tasks or avoiding unnecessary simultaneous operation of equipment).
Monitoring of Energy Consumption	8. Monitor electricity consumption of major equipment (e.g. servers, laboratory devices) where feasible, using existing systems and available data.
	9. Maintain records of energy use for key facilities (e.g. laboratories, server rooms), based on available data and existing metering or monitoring systems.
	10. Identify opportunities for reducing energy consumption over time.
Cooling and Ventilation Efficiency	11. Ensure adequate and energy-efficient cooling systems for server rooms and laboratories.
	12. Regularly maintain HVAC systems to ensure optimal performance.
	13. Avoid overcooling of spaces and equipment.
Resource Efficiency (Materials and Consumables)	14. Minimize use of consumables in laboratories through efficient planning and protocols.
	15. Promote digital data management to reduce paper consumption.
	16. Use rechargeable batteries where applicable (e.g. field equipment).

Category	EQUIPMENT
Aspect	**Proposed mitigation measures**
Water Use Efficiency (if applicable)	17. Ensure rational use of water in laboratory processes.
	18. Regularly inspect installations to prevent leaks.
	19. Promote water-saving practices among staff.
Sustainable Procurement Practices	20. Include energy efficiency and environmental performance criteria in procurement specifications.
	21. Give preference to equipment designed for durability and longer service life, taking into account environmental considerations where relevant.
	22. Require supplier information on energy consumption and environmental performance.
Awareness and Training	23. Train staff on efficient use of equipment and energy-saving practices.
	24. Promote internal awareness on resource efficiency.
Lifecycle Management	25. Ensure regular maintenance to extend equipment lifespan and maintain efficiency.
	26. Plan for responsible decommissioning and replacement of inefficient equipment.
	27. Batteries and consumables shall be managed in accordance with applicable regulations

3. Transport and Logistics Management

The following measures represent recommended good practices to be applied, where relevant, by suppliers and contractors. Compliance may be demonstrated through standard documentation, supplier declarations, or existing company procedures, without imposing additional certification requirements.

Category	**EQUIPMENT**
Aspect	**Proposed mitigation measures**
Transport Planning and Optimization	1. Where practicable, optimize transport routes and consolidate deliveries to reduce fuel use and emissions.
	2. Plan transport activities efficiently to minimize unnecessary trips and avoid delays where possible.
Vehicle Standards and Maintenance	3. Use vehicles that meet applicable regulatory emission requirements, where relevant and feasible.
	4. Ensure that vehicles are maintained in accordance with standard maintenance practices to support efficiency and safety.
Fuel Management	5. Promote efficient fuel use through good driving practices and, where available, basic monitoring of fuel consumption.
	6. Handle fuels in accordance with standard safety practices to prevent leakage and environmental contamination.
Transport of Equipment and	7. Ensure safe loading, transport, and unloading of equipment in line with standard safety practices.

Category	EQUIPMENT
Aspect	**Proposed mitigation measures**
Materials	8. Use appropriate packaging to prevent damage and minimize material waste.
Transport of Hazardous Materials (if applicable)	9. Transport hazardous materials in accordance with applicable regulations.
	10. Ensure that required transport and delivery documentation is available.
Field Work and Site Access	11. Use existing access roads wherever practicable and limit off-road movement.
	12. Avoid unnecessary disturbance to soil and vegetation during transport and delivery activities.
	13. Coordinate delivery and installation activities to minimize disruption to ongoing operations, where feasible.
Temporary Storage of Equipment	14. Where equipment is delivered prior to facility readiness, provide suitable temporary storage arrangements.
	15. Store equipment in accordance with manufacturer specifications.
	16. Ensure storage areas are secure and protected from damage, theft, or unauthorized access.
	17. Ensure equipment is handled and stored by appropriately trained personnel until installation.

Category	EQUIPMENT
Aspect	**Proposed mitigation measures**
	18. Organize storage in a manner that does not interfere with ongoing works or create safety or environmental risks.

4. Sustainable Procurement and Supplier Management

Category	EQUIPMENT
Aspect	**Proposed mitigation measures**
Procurement Approach	1. Environmental and social considerations will be integrated into procurement processes, where relevant and feasible.
	2. Applicable EU and national technical requirements will be followed.
Supplier Considerations	3. Preference may be given to suppliers demonstrating alignment with relevant environmental and safety practices, based on available information and without requiring additional certification.
Product Selection	4. The project will seek to procure durable and resource-efficient equipment, taking into account functional and technical requirements.
	5. Where appropriate, environmental considerations may be taken into account when selecting equipment, alongside technical and functional requirements.

5. Occupational Health and Safety (OHS)

Category	OCCUPATIONAL HEALTH AND SAFETY (OHS)
Aspect	**Proposed mitigation measures**
OHS Management and Responsibilities	1. The project shall comply with applicable occupational health and safety legislation and institutional OHS procedures.
	2. OHS roles and responsibilities shall be clearly assigned within the project team.
	3. Project-specific OHS risks shall be identified and assessed prior to activities, including non-routine or high-risk work.
Laboratory and Research Activities	4. Laboratory and research activities shall be conducted in accordance with approved safety procedures.
	5. Access to laboratories and research facilities shall be restricted to authorized and trained personnel.
	6. Project personnel shall be informed of health and safety risks associated with their activities.
	7. New personnel shall receive site-specific safety induction prior to engaging in activities.

Category	OCCUPATIONAL HEALTH AND SAFETY (OHS)
Aspect	**Proposed mitigation measures**
Equipment Safety	8. Project equipment shall be used only by trained and authorized personnel.
	9. Equipment shall be regularly inspected and maintained in safe working condition.
Installation and Commissioning	10. Installation of equipment shall be performed by authorized and qualified personnel.
	11. Installation shall follow manufacturer specifications and safety requirements.
	12. Equipment shall be tested before use.
	13. Installation-related risks (electrical, mechanical) shall be assessed and managed.
Field Work and Non-Routine Activities	14. Field work and sampling activities shall be planned to minimize risks to staff.
	15. Site-specific risks shall be assessed prior to field activities and appropriate measures applied.
	16. Weather conditions and remote location risks shall be considered during field planning.
	17. Experimental setups and changes to procedures shall be reviewed from an OHS perspective prior to implementation.
Ergonomics and Digital Work	18. Ergonomic risks related to laboratory, desk-based, and computer-intensive work shall be identified and mitigated.
Personal Protective Equipment (PPE)	19. Appropriate personal protective equipment (PPE) shall be provided and used as required.

Category	OCCUPATIONAL HEALTH AND SAFETY (OHS)
Aspect	**Proposed mitigation measures**
Incident Reporting and Training	20. Procedures for reporting occupational incidents and near-misses shall be in place and communicated to staff.
	21. Project personnel shall receive appropriate OHS training relevant to their tasks.
	22. Reported incidents and near-misses shall be reviewed to identify corrective actions.
Communication and language accessibility	23. Safety-related information shall be communicated in languages accessible to all project personnel.

6. Waste Management

Category	WASTE MANAGEMENT
Aspect	**Proposed mitigation measures**
Waste Identification and Segregation	1. All waste streams generated by project activities (including chemical and electronic waste) shall be identified.
	2. Waste shall be segregated at the point of generation according to hazard classification.
	3. Non-hazardous waste shall be disposed of through authorized municipal or institutional systems.
Hazardous Chemical Waste Management	4. Hazardous waste shall be stored in appropriate, labelled containers in accordance with safety data sheets (SDS).
	5. Temporary storage shall be limited and conducted in designated, secure areas.
	6. Hazardous waste shall be disposed of through licensed waste management operators
Electronic Waste (WEEE)	7. Waste electrical and electronic equipment (WEEE) shall be managed separately from other waste streams.
	8. Data-containing equipment shall undergo secure data removal prior to disposal or transfer.
Training and Documentation	9. Personnel handling waste shall receive appropriate training on segregation and safe handling.
	10. Records of hazardous waste disposal shall be maintained in line with legal requirements.

Category	WASTE MANAGEMENT
Aspect	**Proposed mitigation measures**
	11. Waste management practices shall be periodically reviewed to ensure compliance.

7. Hazardous Chemicals Management

Category	HAZARDOUS CHEMICALS MANAGEMENT
Aspect	**Proposed mitigation measures**
Regulatory Compliance and Chemical Inventory	1. The project shall comply with applicable national legislation, EU regulations (e.g. REACH/CLP), and institutional procedures.
	2. Hazardous chemicals shall be identified and maintained in a project-specific inventory.
	3. Safety Data Sheets (SDS) shall be available for all hazardous chemicals.
Procurement and Authorization of Hazardous Chemicals	4. Hazardous chemicals shall be procured only for approved activities and in necessary quantities.
	5. Use of restricted substances shall require prior authorization in accordance with institutional procedures.
Handling and Use of Hazardous Chemicals	6. Hazardous chemicals shall be handled in accordance with SDS and laboratory safety procedures.
	7. Access shall be limited to trained and authorized personnel.
	8. Appropriate controls (e.g. fume hoods, containment) shall be used to minimize exposure risks.
Storage and Labeling	9. Hazardous chemicals shall be stored in designated areas according to their hazard classification.
	10. Containers shall be clearly labeled with content and hazard information.

Category	HAZARDOUS CHEMICALS MANAGEMENT
Aspect	**Proposed mitigation measures**
	11. Incompatible substances shall be stored separately.
Incident Prevention and Emergency Response	12. Procedures shall be in place for spills, exposure, and chemical incidents.
	13. Personnel shall be informed of emergency procedures.
	14. Incidents shall be recorded and reviewed.
Training and Competency	15. Personnel handling hazardous chemicals shall receive appropriate training.
Monitoring and Review	16. Compliance with chemical management procedures shall be periodically reviewed.
	17. Procedures shall be updated if the scope of chemical use changes.

8. Biodiversity and Environment Protection

Category	BIODIVERISTY AND ENVIRONMENT PROTECTION
Aspect	**Proposed mitigation measures**
Protection of Natural Habitats	1. Project activities shall avoid impacts on natural habitats, protected areas, and areas of high biodiversity value.
	2. Activities in protected or sensitive areas shall be conducted only with required permits and in compliance with applicable regulations.
Planning and Implementation of Field Activities	3. Field activities shall be planned to minimize disturbance to habitats and wildlife.
	4. Movement and activities shall avoid sensitive areas and periods (e.g. breeding or nesting seasons).
	5. Use of low-impact equipment and minimal operational time shall be applied where feasible.
Minimization of disturbance	6. Activities shall be limited in scope, duration, and spatial extent.
	7. Wildlife presence shall be considered, and activities adapted or temporarily suspended if needed.
Biological Sampling	8. Collection of biological samples shall be conducted only where permitted and in accordance with applicable regulations.
	9. Sampling methods shall minimize harm to organisms and ecosystems.

Category	BIODIVERISTY AND ENVIRONMENT PROTECTION
Aspect	**Proposed mitigation measures**
Prevention of Ecological Risks	10. Measures shall be taken to prevent the introduction or spread of invasive species.
	11. Accidental release of materials that could affect ecosystems shall be avoided.
	12. Monitoring equipment (e.g. drones, cameras) shall be used in a way that does not disturb wildlife.
Good Environmental Practice and Monitoring	13. Good environmental practices shall be applied to avoid unnecessary disturbance to soil, vegetation, and water.
	14. Any unexpected environmental impacts shall be reported and addressed.
	15. Project personnel shall be informed of environmental protection requirements.
	16. The mitigation hierarchy (avoid, minimize, restore) shall be applied where relevant.

9. Community Health and Safety

Category	COMMUNITY HEALTH AND SAFETY
Aspect	**Proposed mitigation measures**
General Community Risk Prevention	1. Project activities shall be implemented to avoid risks to community health and safety.
	2. Exposure of community members to project-related hazards shall be minimized
Presence in Public or Semi-Public Spaces	3. Activities in public or semi-public areas shall be conducted with measures to ensure safety of non-project personnel.
	4. Access to areas with potential risks shall be controlled or clearly communicated.
Field, Pilot, and Demonstration Activities	5. Field, pilot, and demonstration activities shall be conducted to minimize disturbance to local communities.
	6. Temporary activities shall not interfere with normal use of public spaces or community functions.
Interaction with Communities	7. Project personnel shall interact with community members in a respectful and appropriate manner.
	8. Relevant information on project activities shall be communicated where needed to avoid misunderstandings or disturbance.
Incident Response and Complaints	9. Procedures shall be in place to respond to community-related incidents.
	10. Complaints and concerns shall be received, recorded, and addressed through the project grievance mechanism.

10. Intellectual Property

Category	INTELLECTUAL PROPERTY
Aspect	**Proposed mitigation measures**
Legal Compliance and Ownership	1. Project activities shall comply with applicable intellectual property legislation, including the Act on Copyright and Related Rights (OG 111/21).
Identification and Protection of Intellectual Property	2. Intellectual property generated through the project shall be identified and protected through appropriate measures (e.g. copyright, patents, trade secrets), where applicable.
	3. Appropriate steps shall be taken to protect intellectual property prior to public disclosure or dissemination of results.
Commercialization and Knowledge Transfer	4. Project results shall be reviewed for potential commercialization or transfer to practice, where relevant.
	5. Any commercialization or use of results shall follow applicable institutional and legal procedures.

11. Data Protection

Category	DATA PROTECTION
Aspect	**Proposed mitigation measures**
Data Protection	1. The General Data Protection Regulation in Croatia is based on the General Data Protection Regulation (GDPR) of the European Union and ensures the protection of privacy and personal data of citizens. All entities processing personal data, whether in the public or private sector, are required to align their activities with the provisions of the law and implement data protection measures to prevent misuse or insecurity of data.
	2. The GDPR principles of data minimization and proportionality shall be strictly applied.
	3. Only personal data strictly necessary for achieving the specific research or project objectives shall be collected. Any additional or unrelated data collection is prohibited.
	4. Regular review of collected data will be conducted to ensure relevance, necessity, and compliance with the principle of proportionality. Unnecessary data will be deleted immediately.
Informed Consent and Voluntary Participation	5. Strict procedures, encryption, access controls, and staff training must be enforced to ensure compliance.
	6. Consent protocols must be in full compliance with EU Regulation 536/2014 and the General Data Protection Regulation (GDPR).
	7. Participation in research shall be entirely voluntary and documented informed consent shall be obtained in advance.
	8. Documentation shall confirm the consent, data sharing, storage duration, and destruction upon withdrawal of consent.
Privacy and Confidentiality	9. Confidentiality of personal data shall be ensured, and tissue samples shall be anonymized or de-identified.
	10. Data associated with human samples must be de-identified or anonymized before transfer and processing, in full compliance with GDPR and national regulations.

	11. Strict procedures, encryption, access controls, and staff training will ensure data protection.
	12. Only project staff with a clear operational need will have access to personal data. Access logs will be maintained for audit purposes.
	13. Personal data will be stored only for the minimum period necessary for the research purpose. After this period, data will be securely destroyed or anonymized.

12. Digital Systems and Cybersecurity

Category	DATA PROTECTION
Aspect	**Proposed mitigation measures**
Legal Compliance	1. Project activities shall comply with the General Data Protection Regulation (GDPR) and applicable national legislation.
Data Minimization and Purpose Limitation	2. Only personal data necessary for project purposes shall be collected and processed.
	3. Collected data shall be regularly reviewed and unnecessary data deleted.
Informed Consent (if applicable)	4. Informed consent shall be obtained for any collection and processing of personal data, where applicable.
	5. Consent shall clearly define data use, storage, and withdrawal conditions
Privacy and Confidentiality	6. Personal data shall be anonymized or de-identified where feasible.
	7. Access to personal data shall be limited to authorized personnel only.
Data security	8. Appropriate technical and organizational measures (e.g. encryption, access control) shall be implemented to protect data.
Data Retention and Deletion	9. Personal data shall be stored only for the period necessary and securely deleted or anonymized afterwards.

13. Procedures and Reporting in Case of Accident

Category	PROCEDURES AND REPORTING IN CASE OF ACCIDENT
Aspect	**Proposed mitigation measures**
Incident Identification and Reporting	1. Procedures shall be in place for timely identification and reporting of incidents, accidents, and near-misses.
	2. Project personnel shall be aware of and comply with incident reporting procedures.
	3. Roles and responsibilities for reporting and follow-up shall be clearly defined.
Incident Response and Documentation	4. Reported incidents shall be documented and assessed, including causes, impacts, and required corrective measures.
	5. Serious incidents with potential or actual environmental, health, or safety impacts shall be reported without delay, and no later than 24 hours, to the Project Implementation Unit (PIU) and relevant authorities, in line with World Bank requirements.
Corrective Actions and Follow-up	6. Corrective actions shall be implemented and monitored until closure.

14. Stakeholder Engagement

Category	STAKEHOLDER ENGAGEMENT
Aspect	**Proposed mitigation measures**
Public Consultation	1. The beneficiary will publish the notice on web page on draft ESMP Checklist consultations.
Stakeholder Engagement Activities	2. Before the start of the installation of equipment the written information on the activities, the duration and GRM will be sent to: - Employees of the CFRI - Local media i.e. Radio Jaska, web portal jaska.online - City of Jastrebarsko.
	3. Before the start of the installation of equipment the notice on the activities, the duration and GRM will be posted on the visible location in the vicinity i.e. Cvjetno naselje.
Community GRM	4. Grievance Redress Mechanism (GRM) shall be established by appointing a person in charge and providing and publishing on the website e-mail address where the interested public, either groups or individuals, could send complaints, comments and/or suggestions. The e-mail address shall be reported to the DIGIT GRM at grmdigit@mzom.hr.
	5. Information on such received complaints, comments, and suggestions should be archived in a logical framework database and reported to the DIGIT Project GRM on monthly basis, together with information on the measures taken following received complaints, comments, and/or suggestions
Contractor's GRM	6. Contractor / installer of the equipment shall establish workers' GRM. The protocol for receiving and resolving complaints and administering incidents and accidents and training program for contractor and all subcontract workers will be defined. Contractor will also provide training for all sub-workers on Contractor's GRM. A list of all complaints received, and corrective actions taken will be reported

	to the PIU on monthly basis.
Internal Procedure for Reporting of Irregularities	7. The procedure for internal reporting of irregularities and the method of appointing a confidential person and the protection of whistleblowers shall be published on the website with the reporting instructions.
Capacity Building	8. Training on safe operation of equipment for the employees will be conducted.

15. Vulnerable Groups

Category	VULNERABLE GROUPS
Aspect	**Proposed mitigation measures**
Identification and Risk Awareness	1. The project shall consider whether vulnerable or disadvantaged groups may be affected by project activities.
	2. Vulnerable groups may include persons with disabilities, elderly, economically disadvantaged persons, and others with reduced capacity to manage risks.
Inclusive Design of Project Activities	3. Project activities shall be designed to avoid disproportionate risks to vulnerable groups.
	4. Where relevant, activities in shared or public spaces shall ensure safe and inclusive access.
Interaction and Participation	5. Interaction with vulnerable groups shall be respectful, non-discriminatory, and appropriate.
	6. Participation in project activities shall be voluntary and based on informed consent, where applicable.
Protection from Harm	7. Project activities shall not expose vulnerable groups to increased health or safety risks.
	8. Applicable legal and institutional protection requirements shall be followed.
Communication and	9. Information relevant to project activities shall be communicated in a manner accessible to vulnerable groups, where relevant. Accessible communication measures, including facilitation (e.g., sign language) or

Category	VULNERABLE GROUPS
Aspect	**Proposed mitigation measures**
Grievances	other appropriate communication aids, as needed, will be implemented.
	10. Vulnerable groups shall have access to the project's grievance mechanism without barriers or risk of retaliation.
Monitoring	11. Any issues or incidents affecting vulnerable groups shall be monitored and addressed through appropriate corrective measures.

C. Monitoring and Reporting

The Project Beneficiary shall be responsible for monitoring the implementation of all applicable environmental and social (E&S) measures throughout the project duration.

Monitoring shall cover compliance with the E&S measures identified through the project screening and ESMP checklist.

The Project Beneficiary shall submit semi-annual Environmental and Social Monitoring Reports to the Project Implementation Unit (PIU).

The Project Implementation Unit (PIU) shall review and consolidate the monitoring information and submit semi-annual Environmental and Social compliance reports to the World Bank, in accordance with the Environmental and Social Commitment Plan (ESCP).

Reports shall include:

- compliance status of E&S measures,
- any identified non-compliance or issues,
- corrective actions taken,
- planned follow-up measures.

Monitoring and reporting shall be proportionate to the nature and risk level of project activities. Where a measure is not applicable, a brief justification shall be provided.

Any significant incidents, accidents, or non-compliance with potential environmental, health, or safety impacts shall be reported to the PIU without delay, and no later than 24 hours, in accordance with incident reporting procedures and the Environmental and Social Commitment Plan (ESCP). Incident reports shall include key information on the nature, severity, causes, and measures taken.

Monitoring records and supporting documentation shall be maintained and made available upon request.

Annex 1. E&S Monitoring and Reporting Template

No.	E&S measure	Applicable (YES/NO)	Compliance status (compliant/non-compliant/partially compliant)	Description of Implementation/Findings	Corrective action /if applicable	Timeline for correction	Comments
1.	*[insert measure]*	*YES*	*compliant*	*Measure implemented in line with requirements [description of implementation of measure]*	*N/A*	*N/A*	
2.	*[insert measure]*	*YES*	*non-compliant*	*Delay in implementation due to [reason]*	*[description of corrective action]*	*[date]*	
3.	*[insert measure]*	*NO*	*N/A*	*Measure not applicable to project scope*	*N/A*	*N/A*	

Annex 2. Proposed Measures for Operation / Use Phase

Category	Aspect	Proposed mitigation measures
Equipment Operation and Maintenance	Safe operation of equipment	1. Laboratory, IT, and field equipment should be operated in accordance with manufacturer instructions, institutional procedures, and applicable occupational health and safety requirements.
	Preventive maintenance	2. Preventive maintenance and periodic inspection of equipment are recommended to ensure safe and efficient operation and reduce the risk of malfunction or incidents.
	Authorized personnel	3. Access to specialized laboratory and research equipment should be limited to trained and authorized personnel.
Resource Efficiency and Operational Sustainability	Efficient use of resources	4. Equipment should be operated in a manner that promotes efficient use of electricity, water, laboratory consumables, and other resources, where feasible.
	Energy efficiency	5. Energy-saving settings and operational practices are recommended for IT and laboratory equipment where compatible with operational requirements.
Hazardous Materials and Laboratory Safety	Safe handling of chemicals	6. Hazardous chemicals and laboratory reagents should be handled, stored, and used in accordance with Safety Data Sheets (SDS), institutional procedures, and applicable legislation.
	Storage and containment	7. Hazardous substances should be stored in designated and appropriately labelled storage areas with measures to prevent spills, leaks, and incompatible storage.
Waste and E-Waste	Waste management	8. Waste generated during operation and maintenance activities, including hazardous waste and laboratory waste, should be segregated and managed

Management		in accordance with applicable legal requirements and institutional procedures.
	Electronic waste management	9. Waste electrical and electronic equipment (WEEE), batteries, cartridges, and obsolete IT equipment should be collected separately and transferred to authorized waste management operators.
Occupational Health and Safety (OHS)	PPE and emergency preparedness	10. Appropriate personal protective equipment (PPE) and emergency response procedures for fire, spills, exposure incidents, and equipment malfunction should be available and communicated to personnel.
	Incident management	11. Operational incidents, accidents, and near-misses should be recorded and reviewed, and corrective measures implemented where appropriate.
Biodiversity and Field Activities	Environmentally responsible field work	12. Field research activities and use of monitoring equipment should be conducted in a manner that minimizes disturbance to habitats, wildlife, vegetation, soil, and local communities.
	Use of UAVs and monitoring equipment	13. Drones, sensors, and other monitoring equipment should be operated in accordance with applicable legal requirements and in a manner that avoids unnecessary disturbance to wildlife and communities.
Digital Systems and Data Management	Data protection and cybersecurity	14. Appropriate data protection, cybersecurity, and access control measures are recommended for digital systems, servers, and laboratory information infrastructure.
Training and Capacity Building	Staff competency	15. Personnel should receive appropriate training on operation of equipment, laboratory safety, emergency procedures, cybersecurity, and environmental and social requirements relevant to their activities.
Monitoring and Continuous Improvement	Review and corrective actions	16. The beneficiary is encouraged to periodically review operational environmental, health and safety practices and address identified issues where appropriate.

Annex 3. Incident / Accident Report Form

DIGITAL, INNOVATION, AND GREEN TECHNOLOGY PROJECT (DIGIT PROJECT) IBRD LOAN NO. 9558-HR, PROJECT ID: P180755	
INCIDENT / ACCIDENT REPORT FORM	
Program	
Name and No. of the Project	
Beneficiary	
Incident / Accident No.	
Date	
Time	
Reported by	
SCOPE OF INCIDENT / ACCIDENT	
Type of Incident / Accident	☐ Environmental ☐ Social ☐ Occupational Health and Safety
Place	
Date	
Time	
DESCRIPTION OF THE INCIDENT / ACCIDENT	
Detailed description of the incident / accident	*What is the incident? / What were the conditions or circumstances under which the incident occurred (if known)? / Are the basic facts of the incident clear and uncontested, or are there conflicting versions? What are those versions? / Is the incident still ongoing or is it contained? / Have any relevant authorities been informed?*
Duration of the incident / accident	
Possible causes of the incident / accident	
RESPONSE ACTIONS FOR THE INCIDENT / ACCIDENT	
Status of Actions	☐ Implemented ☐ In Progress ☐ Other
Description of Response Actions	*Responsible party / Expected date if action(s) are in progress*
IMPACT ON THE PROJECT	
Does the event affect the project activities?	☐ Yes ☐ No
Elaboration of the impact on project activities	

DIGITAL, INNOVATION, AND GREEN TECHNOLOGY PROJECT (DIGIT PROJECT)

IBRD LOAN NO. 9558-HR, PROJECT ID: P180755

INCIDENT / ACCIDENT REPORT FORM

SEVERITY LEVEL	
	☐ Low ☐ Medium ☐ High