

Revised forms for the submission of the Confidence-Building Measures

At the Third Review Conference it was agreed that all States Parties present the following declaration, later amended by the Seventh Review Conference:

Declaration form on Nothing to Declare or Nothing New to Declare for use in the information exchange

Measure	Nothing to declare	Nothing new to declare	Year of last declaration if nothing new to declare
A, part 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="2021"/>
A, part 2 (i)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="2021"/>
A, part 2 (ii)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="2021"/>
A, part 2 (iii)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="2021"/>
B	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
E	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="2021"/>
F	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="2021"/>
G	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="2021"/>

(Please mark the appropriate box(es) for each measure with a tick and fill in the year of last declaration in the last column where applicable.)

Date: 12/07/2022

State Party to the Convention: PORTUGAL

Date of ratification/accession to the Convention: 15-05-1975

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Active promotion of contacts

The Third Review Conference agreed that States parties continue to implement the following:

"Active promotion of contacts between scientists, other experts and facilities engaged in biological research directly related to the Convention, including exchanges and visits for joint research on a mutually agreed basis."

In order to actively promote professional contacts between scientists, joint research projects and other activities aimed at preventing or reducing the occurrence of ambiguities, doubts and suspicions and at improving international cooperation in the field of peaceful bacteriological (biological) activities, the Seventh Review Conference encouraged States parties to share forward looking information, to the extent possible,

- on planned international conferences, seminars, symposia and similar events dealing with biological research directly related to the Convention, and
- on other opportunities for exchange of scientists, joint research or other measures to promote contacts between scientists engaged in biological research directly related to the Convention,

including through the Implementation Support Unit (ISU) within the United Nations Office for Disarmament Affairs.

Confidence-Building Measure "A"

Part 1 Exchange of data on research centres and laboratories

At the Third Review Conference it was agreed that States Parties continue to implement the following:

"Exchange of data, including name, location, scope and general description of activities, on research centres and laboratories that meet very high national or international safety standards established for handling, for permitted purposes, biological materials that pose a high individual and community risk or specialize in permitted biological activities directly related to the Convention."

Modalities

The Third Review Conference agreed on the following, later amended by the Seventh Review Conference:

Data should be provided by States Parties on each facility, within their territory or under their jurisdiction or control anywhere, which has any maximum containment laboratories meeting those criteria for such maximum containment laboratories as specified in the latest edition of the WHO¹ Laboratory Biosafety Manual and/or OIE² Terrestrial Manual or other equivalent guidelines adopted by relevant international organisations, such as those designated as biosafety level 4 (BL4, BSL4 or P4) or equivalent standards.

States Parties that do not possess a facility meeting criteria for such maximum containment should continue to Form A, part 1 (ii).

Form A, part 1 (i)

Exchange of data on research centres and laboratories³

1. Instituto Nacional de Saúde Doutor Ricardo Jorge. I.P. (Portuguese National Health Institute) - INSA
2. Instituto Nacional de Investigação Agrária e Veterinária, I.P. (Portuguese Institute for Animal Health Research)
3. Faculdade de Farmácia da Universidade de Lisboa (Faculty of Pharmacy, University of Lisbon)
4. Faculdade de Ciências da Universidade de Lisboa (Faculty of Ciencias, University of Lisbon)
5. Laboratório de Bromatologia e Defesa Biológica do Exército Português (Defence Research)
6. Instituto de Tecnologia Química e Biológica António Xavier, Universidade Nova de Lisboa (Institute Of Chemical And Biological Technology – New University of Lisbon)

¹ World Health Organization

² World Organization for Animal Health

³ The containment units which are fixed patient treatment modules, integrated with laboratories, should be identified separately.

7. Autoridade Tributária e Aduaneira (AT) – Direção de Serviços de Licenciamento (DSL) / Ministério das Finanças (Tax and Customs Authority – Ministry of Finance)
8. Instituto de Higiene e Medicina Tropical – Universidade Nova de Lisboa (Hygiene and Tropical Medicine Institute – New University of Lisbon)
9. INFARMED - Autoridade Nacional do Medicamento e Produtos de Saúde, I.P. (National Authority of Medicines and Health Products, I.P.)
10. Escola de Medicina – Universidade do Minho (Medicine School – Minho University)

1. INSTITUTO NACIONAL DE SAÚDE DOUTOR RICARDO JORGE, I.P. (PORTUGUESE NATIONAL INSTITUTE OF HEALTH DOUTOR RICARDO JORGE) - INSA

Form A, part 1 (i)

1. Name(s) of facility⁴ Departamento de Doenças Infecciosas _____
2. Responsible public or private organization or company Public _____
National Institute of Health Doutor Ricardo Jorge _____
3. Location and postal address Avenida Padre Cruz, 1649-016 Lisbon _____
4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence
Ministry of Health _____
5. Number of maximum containment units⁵ within the research centre and/or laboratory, with an indication of their respective size (m²)
5BSL3: 2 in Lisbon (100m2, aprox.); 2 in Águas de Moura (40m2 + 40m2); 1 in Porto (100m2) _____
6. Scope and general description of activities, including type(s) of micro-organisms and/or toxins as appropriate
Research, diagnostic activities and animal/ vector manipulations involving group risk 3 microorganisms

⁴ For facilities with maximum containment units participating in the national biological defence research and development programme, please fill in name of facility and mark "Declared in accordance with Form A, part 2 (iii)".

⁵ In accordance with the latest edition of the WHO Laboratory Biosafety Manual, or equivalent.

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents⁶ on a State Party's territory:

Biosafety level 3 ⁷	Yes
Biosafety level 2 ⁸ (if applicable)	Yes

Any additional relevant information as appropriate:

⁶ Microorganisms pathogenic to humans and/or animals

⁷ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

⁸ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

Part 2 Exchange of information on national biological defence research and development programmes

At the Third Review Conference it was agreed that States Parties are to implement the following:

In the interest of increasing the transparency of national research and development programmes on biological defence, the States Parties will declare whether or not they conduct such programmes. States Parties agreed to provide, annually, detailed information on their biological defence research and development programmes including summaries of the objectives and costs of effort performed by contractors and in other facilities. If no biological defence research and development programme is being conducted, a null report will be provided.

States Parties will make declarations in accordance with the attached forms, which require the following information:

- (1) The objective and summary of the research and development activities under way indicating whether work is conducted in the following areas: prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research;
- (2) Whether contractor or other non-defence facilities are utilized and the total funding provided to that portion of the programme;
- (3) The organizational structure of the programme and its reporting relationships; and
- (4) The following information concerning the defence and other governmental facilities in which the biological defence research and development programme is concentrated;
 - (a) location;
 - (b) the floor areas (sqM) of the facilities including that dedicated to each of BL2, BL3 and BL4 level laboratories;
 - (c) the total number of staff employed, including those contracted full time for more than six months;
 - (d) numbers of staff reported in (c) by the following categories: civilian, military, scientists, technicians, engineers, support and administrative staff;
 - (e) a list of the scientific disciplines of the scientific/engineering staff;
 - (f) the source and funding levels in the following three areas: research, development, and test and evaluation; and
 - (g) the policy regarding publication and a list of publicly-available papers and reports.

Form A, part 2 (i)

National biological defence research and development programmes Declaration

Are there any national programmes to conduct biological defence research and development within the territory of the State Party, under its jurisdiction or control anywhere? Activities of such programmes would include prophylaxis, studies on

pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research.

Yes/No

If the answer is Yes, complete Form A, part 2 (ii) which will provide a description of each programme.

Form A, part 2 (ii)

National biological defence research and development programmes

Description

1. State the objectives and funding of each programme and summarize the principal research and development activities conducted in the programme. Areas to be addressed shall include: prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research.
2. State the total funding for each programme and its source.
3. Are aspects of these programmes conducted under contract with industry, academic institutions, or in other non-defence facilities?

No

4. If yes, what proportion of the total funds for each programme is expended in these contracted or other facilities?
5. Summarize the objectives and research areas of each programme performed by contractors and in other facilities with the funds identified under paragraph 4.
6. Provide a diagram of the organizational structure of each programme and the reporting relationships (include individual facilities participating in the programme).
7. Provide a declaration in accordance with Form A, part 2 (iii) for each facility, both governmental and non-governmental, which has a substantial proportion of its resources devoted to each national biological defence research and development programme, within the territory of the reporting State, or under its jurisdiction or control anywhere.

2. INSTITUTO NACIONAL DE INVESTIGAÇÃO AGRÁRIA E VETERINÁRIA, I.P. (R&D STATE LABORATORY OF THE MINISTRY OF AGRICULTURE)

Form A, part 1 (i)

Exchange of data on research centres and laboratories⁹

1. Name(s) of facility¹⁰ **Instituto Nacional de Investigação Agrária e Veterinária, I.P. / Unit of Animal Health**
2. Responsible public or private organization or company **R&D State Laboratory of Agriculture Ministry
INIAV, I.P.**
3. Location and postal address **Oeiras – Avenida da República, Quinta do Marquês, 2784-505; and Vila do Conde – Vairão – Rua dos Lagidos 4485-655**
4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence

All activities are supported by the Ministry of Agriculture and by Ministry of Finance. Some R&D activities are supported by the Foundation for Science and Technology (Ministry of Education and Science).

5. Number of maximum containment units¹¹ within the research centre and/or laboratory, with an indication of their respective size (m²)

No (none) BSL4- laboratories

6. Scope and general description of activities, including type(s) of micro-organisms and/or toxins as appropriate

The Instituto Nacional de Investigação Agrária e Veterinária, I.P. is a R&D State Laboratory of Ministry of Agriculture, situ in Oeiras (near Lisbon) and Vairão (Vila do Conde). The Laboratory's main activities are:

- Laboratory diagnosis of animal diseases, including zoonoses.**
- Performing R&D projects on diagnosis and epidemiology of animal diseases, including zoonoses.**

⁹ The containment units which are fixed patient treatment modules, integrated with laboratories, should be identified separately.

¹⁰ For facilities with maximum containment units participating in the national biological defence research and development programme, please fill in name of facility and mark "Declared in accordance with Form A, part 2 (iii)".

¹¹ In accordance with the latest edition of the WHO Laboratory Biosafety Manual, or equivalent.

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents¹² on a State Party's territory:

Biosafety level 3 ¹³	Yes
Biosafety level 2 ¹⁴ (if applicable)	Yes

Any additional relevant information as appropriate:

- **1 Unit (68 m2) BSL 3 facility for TSE diseases, in Oeiras**
- **1 Unit (100 m2) BSL 3 Brucella and Mycobacterium, Lisbon**
- **1 Unit (65 m²) BSL 3 for rabies, Avian influenza, and others virus like Foot and Mouth disease**

And a total of 2000 m2 BSL2 for Veterinary Virologia, Bacteriology, Parasitology and Pathology, including rooms for veterinary necropsy at the headquarters building in Oeiras near Lisboa (Portugal)

1 Unit (100m2) BSL 3 Brucella, Vila do Conde

And a total of 2300 m2 BSL2 for Food and feed Microbiology, Veterinary Bacteriology and Pathology, including rooms for veterinary necropsy at Vairão's pole in Vila do Conde (North of Portugal)

Main activities of Instituto Nacional de Investigação Agrária e Veterinária, I.P. R&D Public Laboratory of Agriculture Ministry, situ in Oeiras (near Lisboa) and Vairão (Vila do Conde) are:

- Execution of laboratory diagnosis of animal diseases, including zoonoses.
- Performing R & D projects on diagnosis and epidemiology of animal diseases, including zoonoses.

¹² Microorganisms pathogenic to humans and/or animals

¹³ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

¹⁴ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

Part 2 Exchange of information on national biological defence research and development programmes

At the Third Review Conference it was agreed that States Parties are to implement the following:

In the interest of increasing the transparency of national research and development programmes on biological defence, the States Parties will declare whether or not they conduct such programmes. States Parties agreed to provide, annually, detailed information on their biological defence research and development programmes including summaries of the objectives and costs of effort performed by contractors and in other facilities. If no biological defence research and development programme is being conducted, a null report will be provided.

States Parties will make declarations in accordance with the attached forms, which require the following information:

- (1) The objective and summary of the research and development activities under way indicating whether work is conducted in the following areas: prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research;
- (2) Whether contractor or other non-defence facilities are utilized and the total funding provided to that portion of the programme;
- (3) The organizational structure of the programme and its reporting relationships; and
- (4) The following information concerning the defence and other governmental facilities in which the biological defence research and development programme is concentrated;
 - (a) location;
 - (b) the floor areas (sqM) of the facilities including that dedicated to each of BL2, BL3 and BL4 level laboratories;
 - (c) the total number of staff employed, including those contracted full time for more than six months;
 - (d) numbers of staff reported in (c) by the following categories: civilian, military, scientists, technicians, engineers, support and administrative staff;
 - (e) a list of the scientific disciplines of the scientific/engineering staff;
 - (f) the source and funding levels in the following three areas: research, development, and test and evaluation; and
 - (g) the policy regarding publication and a list of publicly-available papers and reports.

Form A, part 2 (i)

National biological defence research and development programmes Declaration

Are there any national programmes to conduct biological defence research and development within the territory of the State Party, under its jurisdiction or control anywhere? Activities of such programmes would include prophylaxis, studies on

pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research.

No

If the answer is Yes, complete Form A, part 2 (ii) which will provide a description of each programme.

Confidence-Building Measure "F"

Declaration of past activities in offensive and/or defensive biological research and development programmes

In the interest of increasing transparency and openness, States parties shall declare whether or not they conducted any offensive and/or defensive biological research and development programmes since 1 January 1946.

If so, States parties shall provide information on such programmes, in accordance with Form F.

Form F

Declaration of past activities in offensive and/or defensive biological research and development programmes

1. Date of entry into force of the Convention for the State Party.

2. Past offensive biological research and development programmes:

- **No**

- Period(s) of activities

- Summary of the research and development activities indicating whether work was performed concerning production, test and evaluation, weaponization, stockpiling of biological agents, the destruction programme of such agents and weapons, and other related research.

3. Past defensive biological research and development programmes:

- **No**

- Period(s) of activities

- Summary of the research and development activities indicating whether or not work was conducted in the following areas: prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination, and other related research, with location if possible.

Confidence-Building Measure "G"

Declaration of vaccine production facilities

To further increase the transparency of biological research and development related to the

Convention and to broaden scientific and technical knowledge as agreed in Article X, each State party will declare all facilities, both governmental and non-governmental, within its territory or under its jurisdiction or control anywhere, producing vaccines licensed by the State party for the protection of humans. Information shall be provided on Form G attached.

Form G

Declaration of vaccine production facilities

1. Name of facility: NO
2. Location (mailing address): NO
3. General description of the types of diseases covered: NO

3. FACULDADE DE FARMÁCIA DA UNIVERSIDADE DE LISBOA (FACULTY OF PHARMACY, UNIVERSITY OF LISBON) – Departamento de Farmácia, Farmacologia e Tecnologias de em Saúde

Form A, part 1 (i)

Exchange of data on research centres and laboratories¹⁵

1. Name(s) of facility¹⁶ **Departamento de Farmácia, Farmacologia e Tecnologias de em Saúde**
2. Responsible public or private organization or company **Faculdade de Farmácia da Universidade de Lisboa - public**
3. Location and postal address **Avenida Professor Gama Pinto S/N
1649-003 Lisboa - PT**
4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence
5. Number of maximum containment units¹⁷ within the research centre and/or laboratory, with an indication of their respective size (m²)
6. Scope and general description of activities, including type(s) of micro-organisms and/or toxins as appropriate

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents¹⁸ on a State Party's territory:

Biosafety level 3 ¹⁹	Yes
Biosafety level 2 ²⁰ (if applicable)	Yes

¹⁵ The containment units which are fixed patient treatment modules, integrated with laboratories, should be identified separately.

¹⁶ For facilities with maximum containment units participating in the national biological defence research and development programme, please fill in name of facility and mark "Declared in accordance with Form A, part 2 (iii)".

¹⁷ In accordance with the latest edition of the WHO Laboratory Biosafety Manual, or equivalent.

¹⁸ Microorganisms pathogenic to humans and/or animals

¹⁹ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

²⁰ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

Any additional relevant information as appropriate:

- **One BSL-3 Laboratory with 25m²**

- **One BSL-2 Laboratory with 20m²**

- **Two Laboratories with 10m²**

4. FACULDADE DE CIÊNCIAS DA UNIVERSIDADE DE LISBOA (FACULTY OF CIENCES, UNIVERSITY OF LISBON)

Form A, part 1 (i)

Exchange of data on research centres and laboratories²¹

1. Name(s) of facility²² **Faculdade de Ciências da Universidade de Lisboa (FCUL)**

2. Responsible public or private organization or company **Faculdade de Ciências da Universidade de Lisboa - Public**

3. Location and postal address **Campo Grande
1749-016 Lisboa - PT**

4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence

R&D is supported by the Foundation for Science and Technology (Ministry of Education and Science), EU Framework Programmes and Structural Funds, private entities and industry

5. Number of maximum containment units²³ within the research centre and/or laboratory, with an indication of their respective size (m²)

No (none) BSL-4 Laboratories

6. Scope and general description of activities, including type(s) of micro-organisms and/or toxins as appropriate

²¹ The containment units which are fixed patient treatment modules, integrated with laboratories, should be identified separately.

²² For facilities with maximum containment units participating in the national biological defence research and development programme, please fill in name of facility and mark "Declared in accordance with Form A, part 2 (iii)".

²³ In accordance with the latest edition of the WHO Laboratory Biosafety Manual, or equivalent.

R&D several projects on antimicrobial resistance, public health, biomonitorization, toxicology, ecotoxicology, pests and diseases control. There are other relevant projects on public health, namely TROJAN_RATS and OPTOX.

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents²⁴ on a State Party's territory:

Biosafety level 3 ²⁵	Yes
Biosafety level 2 ²⁶ (if applicable)	Yes

Any additional relevant information as appropriate:

BSL3 – COVID-19 Testing Center. This facility is new and started operating in May 2020;
BSL2 – Several laboratory investigations projects

²⁴ Microorganisms pathogenic to humans and/or animals

²⁵ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

²⁶ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

5. LABORATÓRIO DE BROMATOLOGIA E DEFESA BIOLÓGICA (DEFENCE RESEARCH)

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents²⁷ on a State Party's territory:

Biosafety level 3 ²⁸	Yes
Biosafety level 2 ²⁹ (if applicable)	Yes

Any additional relevant information as appropriate:

²⁷ Microorganisms pathogenic to humans and/or animals

²⁸ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

²⁹ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

Part 2 Exchange of information on national biological defence research and development programmes

At the Third Review Conference it was agreed that States Parties are to implement the following:

In the interest of increasing the transparency of national research and development programmes on biological defence, the States Parties will declare whether or not they conduct such programmes. States Parties agreed to provide, annually, detailed information on their biological defence research and development programmes including summaries of the objectives and costs of effort performed by contractors and in other facilities. If no biological defence research and development programme is being conducted, a null report will be provided.

States Parties will make declarations in accordance with the attached forms, which require the following information:

- (1) The objective and summary of the research and development activities under way indicating whether work is conducted in the following areas: prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research;
- (2) Whether contractor or other non-defence facilities are utilized, and the total funding provided to that portion of the programme;
- (3) The organizational structure of the programme and its reporting relationships; and
- (4) The following information concerning the defence and other governmental facilities in which the biological defence research and development programme is concentrated;
 - (a) location;
 - (b) the floor areas (sqM) of the facilities including that dedicated to each of BL2, BL3 and BL4 level laboratories;
 - (c) the total number of staff employed, including those contracted full time for more than six months;
 - (d) numbers of staff reported in (c) by the following categories: civilian, military, scientists, technicians, engineers, support and administrative staff;
 - (e) a list of the scientific disciplines of the scientific/engineering staff;
 - (f) the source and funding levels in the following three areas: research, development, and test and evaluation; and
 - (g) the policy regarding publication and a list of publicly-available papers and reports.

Form A, part 2 (i)

National biological defence research and development programmes Declaration

Are there any national programmes to conduct biological defence research and development within the territory of the State Party, under its jurisdiction or control anywhere? Activities of such programmes would include prophylaxis, studies on

pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research.

Yes

If the answer is Yes, complete Form A, part 2 (ii) which will provide a description of each programme.

Form A, part 2 (ii)

National biological defence research and development programmes

Description

1. State the objectives and funding of each programme and summarize the principal research and development activities conducted in the programme. Areas to be addressed shall include: prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research.

Physical protection / decontamination: Reutilization of PPE through decontamination.

Decontamination: Decontamination compatible with electronic equipment.

Diagnostic techniques: Detection of SARS-CoV-2 through MALDI-ToF in saliva samples.

Other related research: Pre-standardization related with electronic chain of custody in biological samples.

2.State the total funding for each programme and its source.

Physical protection / decontamination: 100.000 € - National funds

Decontamination: 10.000€ - National funds

Diagnostic techniques: 10.000€ - National funds

Other related research: 70.000€ - European funds

3. Are aspects of these programmes conducted under contract with industry, academic institutions, or in other non-defence facilities?

No

4. If yes, what proportion of the total funds for each programme is expended in these contracted or other facilities?

5. Summarize the objectives and research areas of each programme performed by contractors and in other facilities with the funds identified under paragraph 4.

6. Provide a diagram of the organizational structure of each programme and the reporting relationships (include individual facilities participating in the programme).

7. Provide a declaration in accordance with Form A, part 2 (iii) for each facility, both governmental and non-governmental, which has a substantial proportion of its resources devoted to each national biological defence research and development programme, within the territory of the reporting State, or under its jurisdiction or control anywhere.

Form A, part 2 (iii)

National biological defence research and development programmes

Facilities

Complete a form for each facility declared in accordance with paragraph 7 in Form A, part 2 (ii).

In shared facilities, provide the following information for the biological defence research and development portion only.

1. What is the name of the facility?

Laboratório de Bromatologia e Defesa Biológica (LBDB).

2. Where is it located (include both address and geographical location)?

Avenida Alfredo Bensaúde, Edifício do Laboratório Militar, 4.º piso, 1849 – 012 Lisboa, Portugal

3. Floor area of laboratory areas by containment level:

BL2 **30 sqM**

BL3 **51 sqM**

BL4 n.a.

Total laboratory floor area **81 sqM**

4. The organizational structure of each facility.

(i) Total number of personnel **_15_**

- (ii) Division of personnel:

Military **_13_**

Civilian **_2_**

- (iii) Division of personnel by category:

Scientists **10**

Engineers **_0_**

Technicians **_3_**

Administrative and support staff **_2_**

- (iv) List the scientific disciplines represented in the scientific/engineering staff.

Veterinary medicine, molecular biology, microbiology, parasitology, infectiology, and food science

- (v) Are contractor staff working in the facility? If so, provide an approximate number.

No.

(vi) What is (are) the source(s) of funding for the work conducted in the facility, including indication if activity is wholly or partly financed by the Ministry of Defence?

Ministry of Defence funding and research programmes co-funded by national and international programmes

(vii) What are the funding levels for the following programme areas:

Research	<u>65%</u>
Development	<u>10%</u>
Test and evaluation	<u>50%</u>

(viii) Briefly describe the publication policy of the facility:

Publication in national and international scientific journals, presentations in scientific congress and seminars

(ix) Provide a list of publicly-available papers and reports resulting from the work published during the previous 12 months. (To include authors, titles and full references.)

1. Amaral, C., Antunes, W., Moe, E. et al. A molecular test based on RT-LAMP for rapid, sensitive and inexpensive colorimetric detection of SARS-CoV-2 in clinical samples. *Sci Rep* 11, 16430 (2021). <https://doi.org/10.1038/s41598-021-95799-6>
2. Antunes, Wilson; Fátima C. Pereira; Carolina Feliciano; Laure Saujet; Tiago dosVultos; Evelyne Couture-Tosi; Severine Péchiné; et al. "Structure and assembly of a *Clostridioides difficile* spore polar appendage". *bioRxiv* 468637 (2022): <https://www.biorxiv.org/content/10.1101/468637v1>.
3. Dias-Guerreiro, Tatiana; Palma-Marques, Joana; Mourata-Gonçalves, Patrícia; Alexandre-Pires, Graça; Valério-Bolas, Ana; Gabriel, Áurea; Nunes, Telmo; et al. "African trypanosomiasis". (2021): <http://hdl.handle.net/10362/125097>.
4. Taoufiq, Amin Henrique Tavares. "Avaliação da eficácia de um descontaminante de partículas oxidantes aplicado por aerossol gasoso em esporos de *Bacillus cereus*". Mestrado, 2021. <http://hdl.handle.net/10400.5/22138>.

5. Briefly describe the biological defence work carried out at the facility, including type(s) of micro-organisms³⁰ and/or toxins studied, as well as outdoor studies of biological aerosols.

The work carried out is related to the detection, characterization and decontamination techniques in bacteria.

³⁰ Including viruses and prions.

Confidence-Building Measure "E"

Declaration of legislation, regulations and other measures

At the Third Review Conference the States parties agreed to implement the following, later amended by the Seventh Review Conference:

As an indication of the measures which they have taken to implement the Convention, States parties shall declare whether they have legislation, regulations or other measures:

(a) To prohibit and prevent the development, production, stockpiling, acquisition or retention of the agents, toxins, weapons, equipment and means of delivery specified in Article I of the Convention, within their territory or anywhere under their jurisdiction or under their control anywhere;

(b) In relation to the export or import of micro-organisms pathogenic to man, animals and plants or of toxins in accordance with the Convention;

(c) In relation to biosafety and biosecurity.

States parties shall complete the attached form (Form E) and shall be prepared to submit copies of the legislation or regulations, or written details of other measures on request to the Implementation Support Unit (ISU) within the United Nations Office for Disarmament Affairs or to an individual State party. On an annual basis States parties shall indicate, also on the attached form, whether or not there has been any amendment to their legislation, regulations or other measures.

Form E

Declaration of legislation, regulations and other measures

Relating to	Legislation	Regulations	Other measures ³¹	Amended since last year
(a) Development, production stockpiling, acquisition or retention of microbial or other biological agents, or toxins, weapons, equipment and means of delivery specified in Article I				No
(b) Exports of micro-organisms ³² and toxins				No
(c) Imports of micro-organisms ³³ and toxins				No
(d) Biosafety ³³ and biosecurity ³⁴		Yes ³⁵		Yes

³¹ Including guidelines.

³² Micro-organisms pathogenic to man, animals and plants in accordance with the Convention.

³³ In accordance with the latest version of the WHO Laboratory Biosafety Manual or equivalent national

6. INSTITUTO DE TECNOLOGIA QUÍMICA E BIOLÓGICA ANTÓNIO XAVIER, UNIVERSIDADE NOVA DE LISBOA (INSTITUTE OF CHEMICAL AND BIOLOGICAL TECHNOLOGY – NEW UNIVERSITY OF LISBON)

Form A, part 1 (i)

Exchange of data on research centres and laboratories³⁶

1. Name(s) of facility³⁷ __Instituto de Tecnologia Química e Biológica António Xavier (ITQB – NOVA)__

2. Responsible public or private __Universidade Nova de Lisboa (public institution)_
organization or company _____

3. Location and postal address Avenida da República, 2780 – 157 Oeiras, PT

4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence

All R&D activities are supported by Fundação para a Ciência e Tecnologia (under responsibility of Ministry for Science, Technology and Higher Education), the European Commission or other national and international science funding agencies. None of the projects currently developed at the Institute is supported by the Ministry of Defense.

5. Number of maximum containment units³⁸ within the research centre and/or laboratory, with an indication of their respective size (m²)

ITQB – NOVA does not have any BSL-4 Laboratories (none).

6. Scope and general description of activities, including type(s) of micro-organisms and/or toxins as appropriate

Scientific research at ITQB – NOVA is mostly dedicated to the characterization of microorganisms, metabolomics, proteomics and microorganism-host relationships with plants, animals and human.

or international guidance.

³⁴ In accordance with the latest version of the WHO Laboratory Biosecurity Guidance or equivalent national or international guidance.

³⁵ Portuguese Standard NP ISO 35001:2019 Biorisk management for laboratories and other related organizations

³⁶ The containment units which are fixed patient treatment modules, integrated with laboratories, should be identified separately.

³⁷ For facilities with maximum containment units participating in the national biological defence research and development programme, please fill in name of facility and mark "Declared in accordance with Form A, part 2 (iii)".

³⁸ In accordance with the latest edition of the WHO Laboratory Biosafety Manual, or equivalent.

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents³⁹ on a State Party's territory:

Biosafety level 3 ⁴⁰	No
Biosafety level 2 ⁴¹ (if applicable)	Yes

Any additional relevant information as appropriate:

³⁹ Microorganisms pathogenic to humans and/or animals

⁴⁰ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

⁴¹ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

7. Autoridade Tributária e Aduaneira (AT) – Direção de Serviços de Licenciamento (DSL) / Ministério das Finanças (Tax and Customs Authority – Ministry of Finance)

Confidence-Building Measure "E"

Declaration of legislation, regulations and other measures

At the Third Review Conference the States parties agreed to implement the following, later amended by the Seventh Review Conference:

As an indication of the measures which they have taken to implement the Convention, States parties shall declare whether they have legislation, regulations or other measures:

(a) To prohibit and prevent the development, production, stockpiling, acquisition or retention of the agents, toxins, weapons, equipment and means of delivery specified in Article I of the Convention, within their territory or anywhere under their jurisdiction or under their control anywhere;

(b) In relation to the export or import of micro-organisms pathogenic to man, animals and plants or of toxins in accordance with the Convention;

(c) In relation to biosafety and biosecurity.

States parties shall complete the attached form (Form E) and shall be prepared to submit copies of the legislation or regulations, or written details of other measures on request to the Implementation Support Unit (ISU) within the United Nations Office for Disarmament Affairs or to an individual State party. On an annual basis States parties shall indicate, also on the attached form, whether or not there has been any amendment to their legislation, regulations or other measures.

Form E

Declaration of legislation, regulations and other measures

Relating to	Legislation	Regulations	Other measures ⁴²	Amended since last year
(a) Development, production stockpiling, acquisition or retention of microbial or other biological agents, or toxins, weapons, equipment and means of delivery specified in Article I	Yes	Yes	No	Yes
(b) Exports of micro-organisms ⁴³ and toxins	Yes	Yes	No	Yes

⁴² Including guidelines.

⁴³ Micro-organisms pathogenic to man, animals and plants in accordance with the Convention.

(c) Imports of micro-organisms ¹¹ and toxins	Yes	Yes	No	Yes
(d) Biosafety ⁴⁴ and biosecurity ⁴⁵	Yes	Yes	No	Yes

8. Instituto de Higiene e Medicina Tropical – Universidade Nova de Lisboa (Hygiene and Tropical Medicine Institute – New University of Lisbon)

Confidence-Building Measure "A"

Part 1 Exchange of data on research centers and laboratories

At the Third Review Conference it was agreed that States Parties continue to implement the following:

"Exchange of data, including name, location, scope and general description of activities, on research centres and laboratories that meet very high national or international safety standards established for handling, for permitted purposes, biological materials that pose a high individual and community risk or specialize in permitted biological activities directly related to the Convention."

Modalities

The Third Review Conference agreed on the following, later amended by the Seventh Review Conference:

Data should be provided by States Parties on each facility, within their territory or under their jurisdiction or control anywhere, which has any maximum containment laboratories meeting those criteria for such maximum containment laboratories as specified in the latest edition of the WHO Laboratory Biosafety Manual and/or OIE⁴⁶ Terrestrial Manual or other equivalent guidelines adopted by relevant international organisations, such as those designated as biosafety level 4 (BL4, BSL4 or P4) or equivalent standards.

States Parties that do not possess a facility meeting criteria for such maximum containment should continue to Form A, part 1 (ii).

Form A, part 1 (i)

Exchange of data on research centers and laboratories⁴⁷

⁴⁴ In accordance with the latest version of the WHO Laboratory Biosafety Manual or equivalent national or international guidance.

⁴⁵ In accordance with the latest version of the WHO Laboratory Biosecurity Guidance or equivalent national or international guidance.

⁴⁶ World Organization for Animal Health

⁴⁷ The containment units which are fixed patient treatment modules, integrated with laboratories, should be identified separately.

1. Name(s) of facility⁴⁸ _____
2. Responsible public or private organization or company _____
3. Location and postal address _____
4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence

5. Number of maximum containment units within the research center and/or laboratory, with an indication of their respective size (m2)

6. Scope and general description of activities, including type(s) of micro-organisms and/or toxins as appropriate

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents⁴⁹ on a State Party's territory:

Biosafety level 3 ⁵⁰	Yes
Biosafety level 2 ⁵¹ (if applicable)	Yes

Any additional relevant information as appropriate:

The Institute of Hygiene and Tropical Medicine has:

- The Mycobacteriology BSL3 laboratory supports research, educational and diagnostic activities in the field of Medical Mycobacteriology, comprises two rooms and is used for work with antibiotic-resistant Mycobacterium tuberculosis and non-tuberculous mycobacteria. The Institute of Hygiene and Tropical Medicine belongs to the Portuguese National Biosafety Network - Lab-PTBioNet - with the Mycobacteria Laboratory being an integrated member.

⁴⁸ For facilities with maximum containment units participating in the national biological defence research and development programme, please fill in name of facility and mark "Declared in accordance with Form A, part 2 (iii)".

⁴⁹ Microorganisms pathogenic to humans and/or animals

⁵⁰ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

⁵¹ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

- The In Vivo Arthropod Security Facility (VIASEF) is an infrastructure, which offers the possibility of implementing studies on a wide range of arthropods and arthropod transmitted pathogens. The VIASEF comprises arthropod containment level 3 (ACL 3), ACL-2/3 insectaries and associated laboratories (including a BSL-3 lab). The VIASEF is member of the Portuguese roadmap of research infra-structures.

Part 2

Exchange of information on national biological defence research and development programmes

At the Third Review Conference it was agreed that States Parties are to implement the following:

In the interest of increasing the transparency of national research and development programmes on biological defence, the States Parties will declare whether or not they conduct such programmes. States Parties agreed to provide, annually, detailed information on their biological defence research and development programmes including summaries of the objectives and costs of effort performed by contractors and in other facilities. If no biological defence research and development programme is being conducted, a null report will be provided.

States Parties will make declarations in accordance with the attached forms, which require the following information:

- (1) The objective and summary of the research and development activities under way indicating whether work is conducted in the following areas: prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research;
- (2) Whether contractor or other non-defence facilities are utilized and the total funding provided to that portion of the programme;
- (3) The organizational structure of the programme and its reporting relationships; and
- (4) The following information concerning the defence and other governmental facilities in which the biological defence research and development programme is concentrated;
 - (a) location;
 - (b) the floor areas (sqM) of the facilities including that dedicated to each of BL2, BL3 and BL4 level laboratories;
 - (c) the total number of staff employed, including those contracted full time for more than six months;
 - (d) numbers of staff reported in (c) by the following categories: civilian, military, scientists, technicians, engineers, support and administrative staff;
 - (e) a list of the scientific disciplines of the scientific/engineering staff;
 - (f) the source and funding levels in the following three areas: research, development, and test and evaluation; and

(g) the policy regarding publication and a list of publicly-available papers and reports.

Form A, part 2 (i)

National biological defence research and development programmes Declaration

Are there any national programmes to conduct biological defence research and development within the territory of the State Party, under its jurisdiction or control anywhere? Activities of such programmes would include prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research.

No

If the answer is Yes, complete Form A, part 2 (ii) which will provide a description of each programme.

9. INFARMED - Autoridade Nacional do Medicamento e Produtos de Saúde, I.P. (National Authority of Medicines and Health Products, I.P.)

Confidence-Building Measure "G"

Declaration of vaccine production facilities

To further increase the transparency of biological research and development related to the Convention and to broaden scientific and technical knowledge as agreed in Article X, each State party will declare all facilities, both governmental and non-governmental, within its territory or under its jurisdiction or control anywhere, producing vaccines licensed by the State party for the protection of humans. Information shall be provided on Form G attached.

Form G

Declaration of vaccine production facilities

1. Name of facility: **(In Portugal there are no vaccines production)**
2. Location (mailing address):
3. General description of the types of diseases covered:

10. Escola de Medicina – Universidade do Minho (Medicine School – Minho University)

Confidence-Building Measure "A"

Part 1 Exchange of data on research centres and laboratories

At the Third Review Conference it was agreed that States Parties continue to implement the following:

"Exchange of data, including name, location, scope and general description of activities, on research centres and laboratories that meet very high national or international safety standards established for handling, for permitted purposes, biological materials that pose a high individual and community risk or specialize in permitted biological activities directly related to the Convention."

Modalities

The Third Review Conference agreed on the following, later amended by the Seventh Review Conference:

Data should be provided by States Parties on each facility, within their territory or under their jurisdiction or control anywhere, which has any maximum containment laboratories meeting those criteria for such maximum containment laboratories as specified in the latest edition of the WHO⁵² Laboratory Biosafety Manual and/or OIE⁵³ Terrestrial Manual or other equivalent guidelines adopted by relevant international organisations, such as those designated as biosafety level 4 (BL4, BSL4 or P4) or equivalent standards.

States Parties that do not possess a facility meeting criteria for such maximum containment should continue to Form A, part 1 (ii).

Form A, part 1 (i)

*Exchange of data on research centres and laboratories*⁵⁴

- | | |
|--|--|
| 1. Name(s) of facility ⁵⁵ | Life and Health Sciences Research Institute |
| 2. Responsible public or private organization or company | University of Minho (public) |
| 3. Location and postal address | School of Health Sciences, Campus de Gualtar
University of Minho, 4710-057 Braga Portugal |

⁵² World Health Organization

⁵³ World Organization for Animal Health

⁵⁴ The containment units which are fixed patient treatment modules, integrated with laboratories, should be identified separately.

⁵⁵ For facilities with maximum containment units participating in the national biological defence research and development programme, please fill in name of facility and mark "Declared in accordance with Form A, part 2 (iii)".

4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence

All R&D activities are supported by Fundação para a Ciência e a Tecnologia (FCT), la Caixa Foundation, Infect-ERA, Gilead Sciences, Institut Merieux, Fundação Calouste Gulbenkian e Centro Clínico Académico – Braga, Associação (2CA-Braga).

5. Number of maximum containment units⁵⁶ within the research centre and/or laboratory, with an indication of their respective size (m²)

No BSL-4 laboratories

6. Scope and general description of activities, including type(s) of micro-organisms and/or toxins as appropriate

R&D projects on microbiological and immunological aspects of infectious diseases (risk group 1, 2, and 3)

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents⁵⁷ on a State Party's territory:

Biosafety level 3 ⁵⁸	yes
Biosafety level 2 ⁵⁹ (if applicable)	yes

Any additional relevant information as appropriate:

BSL2: 50.4 m²

BSL3: 76.8 m²

⁵⁶ In accordance with the latest edition of the WHO Laboratory Biosafety Manual, or equivalent.

⁵⁷ Microorganisms pathogenic to humans and/or animals

⁵⁸ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

⁵⁹ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

Confidence-Building Measure "E"

Declaration of legislation, regulations and other measures

At the Third Review Conference the States parties agreed to implement the following, later amended by the Seventh Review Conference:

As an indication of the measures which they have taken to implement the Convention, States parties shall declare whether they have legislation, regulations or other measures:

(a) To prohibit and prevent the development, production, stockpiling, acquisition or retention of the agents, toxins, weapons, equipment and means of delivery specified in Article I of the Convention, within their territory or anywhere under their jurisdiction or under their control anywhere;

(b) In relation to the export or import of micro-organisms pathogenic to man, animals and plants or of toxins in accordance with the Convention;

(c) In relation to biosafety and biosecurity.

States parties shall complete the attached form (Form E) and shall be prepared to submit copies of the legislation or regulations, or written details of other measures on request to the Implementation Support Unit (ISU) within the United Nations Office for Disarmament Affairs or to an individual State party. On an annual basis States parties shall indicate, also on the attached form, whether or not there has been any amendment to their legislation, regulations or other measures.

Form E

Declaration of legislation, regulations and other measures

Relating to	Legislation	Regulations	Other measures ⁶⁰	Amended since last year
(a) Development, production stockpiling, acquisition or retention of microbial or other biological agents, or toxins, weapons, equipment and means of delivery specified in Article I	Yes	Yes	Yes	No
(b) Exports of micro-organisms ⁶¹ and toxins	Yes	Yes	Yes	No
(c) Imports of micro-organisms ¹¹ and toxins	Yes	Yes	Yes	No
(d) Biosafety ⁶² and biosecurity	Yes	Yes	Yes	No

⁶⁰ Including guidelines.

⁶¹ Micro-organisms pathogenic to man, animals and plants in accordance with the Convention.

⁶² In accordance with the latest version of the WHO Laboratory Biosafety Manual or equivalent national