



*Innovative Tools for Assessment and Authentication
of chicken meat, beef and dairy products' QualiTies*

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H2020 – Research and Innovation Action

Deliverable 8.3

Ethics requirements about Non-European Countries (NEC)

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R	Document, report	<input checked="" type="checkbox"/>	PU Public <input type="checkbox"/>
DEM	Demonstrator, pilot, prototype	<input type="checkbox"/>	CO Confidential, only for members of the consortium (including the Commission Services) <input checked="" type="checkbox"/>
DEC	Websites, patent fillings, videos, etc.	<input type="checkbox"/>	
OTHER		<input checked="" type="checkbox"/>	CI Classified, as referred to Commission Decision 2001/844/EC <input type="checkbox"/>

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1. Executive Summary

This deliverable confirms that the research conducted outside the EU can be legally carried out in at least one EU Member State. This document provides the response to Ethics Review requirements concerning the **third requirement** for the project.

It includes:

- The list of partners outside the EU and their role;
- Details on the materials and data which will be imported to/exported from EU;
- A statement to confirm that the ethical standards and guidelines of Horizon2020 will be rigorously applied, regardless of the country in which the research is carried out.

2. Introduction

The applicants must confirm that the research conducted outside the EU can be legally carried out in at least one EU Member State. Details on the materials which will be imported to/exported from the EU must be submitted as a deliverable.

3. Materials and data that will be imported to / exported from EU

Within the scope of the INTAQT project, both material and data will be imported from and exported to third countries. The members of the INTAQT consortium confirmed that the research conducted outside the EU can be legally carried out in at least one EU Member state. All the members have signed the grand agreement.

The following section describes the type of materials and data, as well as the quantity of the material or data that will be imported to / exported from the EU. It furthermore details the concerned partners, in terms of senders and receivers of the materials and data.

3.1. Partners involved

The INTAQT project involves two partners from non-EU countries, which will be involved in sending and/or receiving materials and data from partners in EU countries. All other partners from non-EU countries will be involved in the INTAQT project at a local level, but will not exchange data or material with EU partners.

Forschungsinstitut für biologischen Landbau (FiBL - Switzerland) is one of the world's leading organic farming research and technology transfer centres on organic agriculture. In this project, FiBL is involved in:

- WP1: As leader of task 1.1, FiBL is involved in translating the results from WP1 to actionable decisions in WP2. This involves the redaction of recommendations for the production systems to be chosen in WP2, based on the European Workshops, as well as the recommendations of innovative practices to be tested in the living labs of WP2. For task 1.2, FiBL is collecting data from approximately 30 expert interviews and one consumer focus group.
- WP2: FiBL has the lead of the WP2 and thus is responsible for the overall coordination of the work package, including the collection of samples for the final sample library. In particular, FiBL will collect samples from 7 farm groups (35 farms), conduct two living labs involving local farmer, collect of data of beef carcass quality in Swiss abattoirs.
- WP5: FiBL has the lead of task 5.4, that connects the farm characteristics and sustainability with the quality of the product produced.
- WP6: FiBL will contribute to disseminate INTAQT results to different targets including professionals and consumer.

Queen's University of Belfast (QUB- United Kingdom) has close to 24,000 students of which 20% are post graduate and 15% international. QUB is at the forefront of addressing one of the greatest global challenges – food security and integrity. In this project, QUB is involved in:

- WP1: As leader of task 1.2, QUB is in charge of the organisation of the lab on-line survey dedicated to collecting information about the current laboratory practices and further needs for rapid tools for the analyses on meat and dairy products. For task 1.2, QUB is collecting data from approximately 15 expert interviews and one consumer focus group. QUB is also in charge of one multi-actor group on beef.
- WP2: QUB is in charge of one farm group (5 extensive beef farms) in which QUB will collect farm descriptor data and muscle samples.
- WP3: QUB will perform quality measurements related to product safety (dioxins, PCB, PFAS, mycotoxins) and nutritional composition (gross composition, fatty acids).
- WP4: QUB will lead on the ambient mass spectroscopy studies to advance the development of rapid methods of assessing safety and quality of products.
- WP6: QUB will contribute to the dissemination of project results.

3.2. Material imported from/exported to third countries

Material imported from and exported to third countries will consist of biological samples of non-commercial value, to be used for laboratory analyses. The biological samples will remain at all times within public or private establishments that are principally engaged in scientific research for the purpose of the INTAQT project. The biological samples originate from farmed animals (cattle and chicken) and consist of samples of faeces, milk, liver and muscle tissue. All biological samples are not intended for human consumption and will be destroyed upon analysis. The exchanges of biological samples concern three countries; namely France, Switzerland and United Kingdom, and are specified as follows:

- **Biological material exported from Switzerland to France for WP2:**

Material exported from Switzerland to France in WP2, will be collected into 35 farms and corresponding abattoir (10 chicken, 15 beef and 10 dairy farms). Sampling will take place during a 18 month period from mid-2022. Once collected, samples will be stored frozen at FiBL and shipment to France for analyses will be done in 3 occasions. The detail of frozen biological material exported from Switzerland to France is given in Table 1.

Table 11: Chicken and cattle biological material exported from Switzerland to France

	Chicken		Cattle	
	Per farm	Total (10 farms)	Per farm	Total (10 dairy + 15 beef farms)
Faeces	25 gr	250 gr	-	-
Milk	-	-	1 000 gr	10 kg
Liver tissue	600 gr	6 kg	700 gr	10 kg
Muscle tissue	7 200 gr	72 kg	3 600 gr	54 kg

- **Biological material exported from United Kingdom to France for WP2:**

Material exported from United Kingdom to France in WP2, will be collected into 10 beef farms and corresponding abattoir. Sampling will take place during an 18-month period from mid-2022. Once collected, samples will be stored frozen at QUB and shipment to France for analyses will be done in 3 occasions. The detail of frozen biological material exported from United Kingdom to France is given in Table 2.

Table 22: Cattle biological material exported from United Kingdom to France

	Cattle	
	Per farm	Total (10 farms)
Liver tissue	700 gr	7 kg
Muscle tissue	3 600 gr	36 kg

- **Biological material exported from France to United Kingdom:**

QUB will perform quality measurements related to product safety in WP3 (dioxins, PCB, PFAS, mycotoxins) and ambient mass spectroscopy studies to advance the development of rapid methods of assessing safety

and quality of products in WP4. These laboratory analyses will be performed on frozen samples exported from France to United Kingdom on 3 occasions over an 18 months period from mid-2022. The detail of the frozen biological material exported from France to United Kingdom is given in Table 3.

Table 33: Chicken and cattle biological material exported from France to United Kingdom

	Chicken		Cattle	
	Per farm	Total (110 farms)	Per farm	Total (90 dairy + 50 beef farms)
Milk	-	-	200 gr	18 kg
Liver tissue	400 gr	44 kg	800 gr	40 kg
Muscle tissue	100 gr	11 kg	200 gr	10 kg

3.3. Data imported from/exported to third countries

Data imported from third countries to the EU will occur in WP1 and this correlates to the summary reports about face-to-face expert interviews, annual national group meetings and one consumer focus group, that will be conducted both in Switzerland and the UK. In WP2, data collected from Swiss and UK abattoirs on the quality of beef carcasses and corresponding farm typologies will be imported to EU. Finally, a summary report and research data from two living labs that will be conducted in Switzerland will be imported.

Data exported from the EU to third countries will occur in WP1 and this relates to the results from an online survey that is being conducted by the UK partner (QUB). In WP2, the results from the laboratory analyses of the samples collected within the scope of the sample library and farm network will be exported to FiBL in Switzerland. Data collected in WP1 during the consumer focus groups and the synthesis of the face-to-face interviews and of the summary of the national group meeting with supply chain actors will be exported to EU countries from Switzerland and the UK.

As a general rule, all data collected within the scope of INTAQT in Switzerland and the UK will be made available to the consortium partners via a sharepoint hosted by INRAE in France. Conversely, for WP5 the Swiss partner (FiBL) will need to have access to all data produced by the consortium to carry out their task. Switzerland and United Kingdom are not EU/EEA countries but offers a similar and adequate protection of personal data as EU/EEA countries, i.e., they comply with the general requirements of Directive 95/46/EC. Nonetheless, before the exchange of data, all datasets will be pseudo-anonymised, as described in the D8.2 – Protection of Personal data, such that at no personal data will be exchanged between partners in the INTAQT project.

4. Authorisations

4.1. Material imported from/exported to third countries

For the transfer of materials from Switzerland and United Kingdom to France, FiBL and QUB will be working with authorized officials and export-import professionals for the shipment of the biological samples. For the transfer of materials from France to United Kingdom (Northern Ireland), INRAE will be working with authorized officials and export-import professionals for the shipment of the biological samples. An example of an application document that the Northern Ireland Department of Agriculture, Environment and Rural Affairs requested from the French sender to obtain the license is provided in Appendix 1.

4.2. Data imported from/exported to third countries

The partners located in Switzerland and United Kingdom will rigorously apply the ethical standards and guidelines of Horizon 2020 and the national regulations, regardless of the country in which the research is carried out.

QUB has obtained ethical approval from the Faculty of Medicine, Health & Life Sciences (MHLS) Research Ethics Committee of QUB to carry out the research activities involving human participants in WP1. Research

conducted by QUB is compliant with the General Data Protection Regulation (GDPR) and the UK Data Protection Act 2018 (DPA).

5. Conclusion

The applicants confirm that the research conducted in INTAQT in Switzerland and United Kingdom can be legally carried out in at least one EU Member State. Details on the materials and data which will be imported to/exported from the EU are described in this deliverable.

6. Appendix 1: example of application document that the Northern Ireland Department of Agriculture, Environment and Rural Affairs request from the sender to obtain the license



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DEPARTMENT OF AGRICULTURE, ENVIRONMENT AND RURAL AFFAIRS

APPLICATION FOR A LICENCE TO IMPORT LABORATORY ANIMALS / ANIMAL PRODUCTS INTO NORTHERN IRELAND

****APPLICATIONS MUST BE RECEIVED AT LEAST 10 WORKING DAYS BEFORE DATE OF IMPORT****

1. SECTION 1 – APPLICANT’S DETAILS (PLEASE PRINT CLEARLY IN BLOCK CAPITALS)

1. *Name and address of importing company/individual

INSTITUTE FOR GLOBAL FOOD SECURITY, SCHOOL OF BIOLOGICAL SCIENCES,	
QUEEN’S UNIVERSITY BELFAST	
14A LENNOXVALE, BELFAST, NORTHERN IRELAND, BT9 5BY	
Tel no: 02890 975984	Email address: brian.quinn@qub.ac.uk

We can issue your licence to either the importing or exporting premises. Please indicate below which option you prefer and provide the relevant details. Please note where no specific option is chosen, your import licence will be posted to the importer’s address.

Post
 Email
 Issue to Importer
 Issue to Exporter

Please indicate your choice by placing a ✓ in the appropriate box.

2. Address of destination premises if different from 1.above

3. Name and address of consignor.

2. SECTION 2 - DETAILS OF CONSIGNMENT

4. Country of origin

FRANCE

5. Country of transshipment (if applicable)

6. Product name BOVINE
SAMPLES_____
7. Product description (include frozen, refrigerated etc)
FROZEN_____
8. Quantity (no of cartons/boxes)
ONE_____
9. Weight of consignment 20 kg_____

- 10(a). Intended date of import into Northern Ireland 15-10-21_____
- 10(b). First Port of Entry (e.g. Belfast International Airport, Dublin Airport, London Heathrow) Belfast International Airport_____
- 10(c). Final Port of Entry (if different from above) Same_____

11. Requested period of licence: 1 month _____ 3 months _____ 6 months _____ 1 year X

3. SECTION 3- BACKGROUND INFORMATION

12. Have you been issued any previous licences for similar products? Yes _____ x
 No _____

13. If yes, please provide licence no. (if not available please list approximate date of import)

4. SECTION 4 – PRODUCT DETAILS

- 14(a). What is the product intended for? Human consumption Research
 (Please place a ✓ in the appropriate box) Animal consumption Manufacture

- 14(b). Is this product a pathogen? NO

if other please specify Beef samples

15. Please provide details of the intended use of the product

Analysis using the REIMS (Rapid Evaporative Ionization Mass Spectrometry) technic at QUEEN'S UNIVERSITY BELFAST

16. Describe/give details of the content of the product (i.e. material derived from beef/sheep, etc)

The box contains 186 bovine samples of 104g each on average. Bovines were slaughtered in the experimental slaughterhouse of INRAE (French Institute of Research on Agriculture, Food and Environment) under veterinary inspection. Animals were safe with no health problems.

17. Provide details of any processing the product has undergone during manufacture

Muscles were cut the same day when animals were slaughtered and immediately frozen at -20°C under vacuum.

5.
6. SECTION 5 –DECLARATION

- I the undersigned declare that the information provided in this application form is accurate and agree to fully comply with the conditions of any licence issued to me.

Signed _____ **Date** _____

Please either post or email completed form to:

Trade Branch, 1st Floor, Ballykelly House, 111 Ballykelly Road, Ballykelly, Limavady, BT49 9HP

email: ✉ tradeadminpost@daera-ni.gov.uk

Telephone number for enquiries - ☎ 028 7744 2146

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In addition, the Department may also use it for other legitimate purposes in line with the General Data Protection Regulations, Freedom of Information Act 2000 and Environmental Information Regulations 2004.

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