

Q-collect questionnaire for customers (WP4)

1. Introduction to the questionnaire

This questionnaire is conducted in the framework of the EU FP7 project Q-collect (<http://www.q-collect.eu/>).

The aim of Q-collect is to develop guidelines and reference criteria for the quality, access, deposit and maintenance for important phytosanitary collections, harbouring viruses, bacteria, phytoplasmas, fungi, arthropods, nematodes and invasive plants. This guideline helps for organisation of a sustainable European network of phytosanitary collections to facilitate access to quality reference material and connected databases.

Access to biological material or specimens and in particular to reference material has been identified as a major challenge in phytosanitary diagnostics, both for the development and validation of tests, but also for inclusion of controls when performing diagnostic tests.

In order to conduct plant health research, in particular on quarantine pests, taxonomically closely related species as well as other organisms with similar diagnostic features (also called look-alikes), users need to have access to relevant, correctly identified biological material.

The objective of the questionnaire is to make an inventory of the needs of users of such biological material (e.g. who needs what, in which format and why) leading to common proposals that meet the needs that are not currently met. As a consequence, it is of utmost importance that you participate in this survey for the project to help provide answers to your needs.

2. Who are you?

- ☐ Private company
- ☐ Public research laboratory/institute
- ☐ Public/NPPO laboratory for plant pest diagnostics
- ☐ Private laboratory for plant pest diagnostics
- ☐ Other (please specify):
- ☐

3. For which purpose and for which pest groups do you need biological material?

[illegible]

4. What type of material do you need?

	Viruses and viroids	Phloem limited bacteria/Ph ytoplasma	Bacteria	Fungi (including chromista)	Nematodes	Insecta	Acari	Invasive plants
Living organisms (including freeze dried viable specimens)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plant fragment containing the organism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inactivated cells	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nucleic acids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mounted specimens (pinned specimens) (dry specimens)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liquid-preserved specimens (in alcohol)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specimens on slides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Herbarium voucher specimens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

5. Do you have any difficulties to obtain this biological material?

	Viruses and viroids	Phloem limited bacteria/Phytoplasma	Bacteria	Fungi (including chromista)	Nematodes	Insecta	Acari	Invasive plants
YES for all or most organisms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
YES only for some organisms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please add any relevant details:

6. What are these difficulties?

	Viruses and viroids	Phloem limited bacteria/Phytoplasma	Bacteria	Fungi (including chromista)	Nematodes	Insecta	Acari	Invasive plants
Unavailability of material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cost to purchase biological material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Difficulty to identify contacts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No web access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Restriction due to plant health or other regulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Others (please specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

7. Where do you find biological material?

	Viruses and viroids	Phloem limited bacteria/ Phytoplasma	Bacteria	Fungi (including chromista)	Nematodes	Insecta	Acari	Invasive plants
National / international reference collection (formalised collection) ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internal research or working collection (informal collection) ²	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Informal exchanges with experts from other laboratories/institutes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Direct field sampling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. This type of collection has the mission to propose biological material publically (under certain legal conditions), is supported by the government and works under quality standards.
2. A collection that has no official mission about making available their biological material and specimens and may have no recognized quality standards. However, they are well organized and recognized as reliable in their research field.

Comments:

Please, if you are willing to, indicate your suppliers:

(Please mention as many details as necessary to identify them: name, laboratory, institution, country...):

8. What makes order of biological material easier?

- ☐ Web site including on-line catalogue
- ☐ Formalised ordering process
- ☐ MTA (Material Transfer Agreement)
- ☐ Other type of contracts (*Please specify below*)
- ☐ Guidance in the administrative process (LOA (Letter of Authorisation), quarantine agreement)
- ☐ Direct contact
- ☐ Other (*Please specify below*)

Please add any other relevant details:

9. Do you have any suggestion to improve accessibility to the biological material?

10. Do you know that biological material can be deposited in collections?

YES ☐ NO ☐

Remarks: Deposit of biological material or specimen can be done for different purposes:

- *Public deposit: the material is publically available for the scientific community;*
- *Safe deposit: the material is preserved for limited use and are cost based;*
- *Patent deposit: the material is accessible upon a written authorization either by the depositor or an entitled Industrial Property Office, according to the rules of the Budapest Treaty.*

11. Would you be willing to depositing biological material in collections?

YES ☐ NO ☐ Don't know ☐

If No, Why? (Please specify then go to question 13)

If Yes, which kind of deposit do you need:

- ☐ Public deposit
- ☐ Safe deposit
- ☐ Patent deposit
- ☐ Other (Please specify):

12. Have you already deposited material ?

1. If NO: go to question 13

2. if YES:

- where?
 - ☐ National / international reference collection
 - ☐ Internal research or working collection
 - ☐ Informal exchanges with experts from other laboratories/institutes)
 - ☐ Other (Please specify) :
- Do you find this deposit process(es) easy?

YES ☐ NO ☐

Please specify your difficulties:

- Do you have any proposal to facilitate deposit of your biological material?

13. Are you aware of the Convention on Biological Diversity (CDB; <http://www.cbd.int/>) and of the possible limitations for exchanges of biological material?

YES ☐ NO ☐