

BEXYL
BEYOND XYLELLA

OEI - Requirement No. 1

Deliverable 11.1

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1. INTRODUCTION

This deliverable describes how BeXyl Consortium will cover the Ethical dimension of the project. Although the activities included in the proposal do not involve serious ethics issues, the Ethics Summary report stated that the project must appoint an external independent Ethics Advisor to guide the project partners with the needed preparation and follow-up of the different ethics issues of the project. The report clearly identified four areas in which the Ethics Advisor needs to assist the project:

- Treatment of human participants ensuring respect for people and for human dignity. In addition, the values, rights and interests of research participants must be protected.
- Protection of personal data: the project will collect and process personal data which will be completely anonymised.
- Animal welfare in the project, will conduct experimentation in research institutes needs to ensure that animal experiments carried out by all project partners will be prepared and executed in accordance with the relevant EU regulations.
- Non-EU country data transfer: the project involves the participation of non- EU countries.

A report prepared by the externa independent Ethics Advisor will be submitted as a deliverable at the end of each reporting period.

2. ETHICAL DIMENSION RELEVANT TO BEXYL

2.1 Humans (H)

These ethics requirements refer to any research involving work with humans beings ('research or study participants'), regardless of its nature or topic. BeXyl consortium must ensure respect for people and for human dignity and fair distribution of the benefits and burden of research. Also, BeXyl consortium must protect the values, rights and interests of the research participants.

The rules that the project must comply are related to the procedures and criteria that will be used to identify/recruit research participants, the informed consent procedures to be implemented for the participation of humans and the templates of the informed consent forms which must be kept on file.

Project researchers will also comply with the principle for Ethics in Social Science and Humanities proposed by the EU (https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ethics-in-social-science-and-humanities_he_en.pdf).

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2.2. Personal data (POPD)

The social scientists will map stakeholder networks and explore the attitudes, experiences, values and behaviours of different stakeholders regarding existing/future IPM technologies, their deployment and barriers to uptake. We will gain an understanding of barriers, opportunities and costs for *X. fastidiosa* preparedness and management through interviews, surveys and focus groups.

As is standard in social research, data will be recorded in a manner which prevents identification of the participants and, except for case studies, research sites. This involves avoiding the use of names on Dictaphone recordings and anonymity in transcriptions.

2.3 Animals (A)

BeXyl will explore the use of canine olfactory for *X. fastidiosa* detection. The experiments and research programs will consider the Directives 2010/63/UE which aims to improve the welfare of animals used in scientific procedures.

The Italian National Canine Association (ENCI) will be in charge of training the dogs to recognize *X. fastidiosa*-infected plants of olives and other plant species. Training activities will be initially performed in a selected location in the southern part of the Apulia (Italy) where the pathogen is endemic, and then in nurseries and in sites where plants lots for markets are located.

2.4 Non-EU Countries (NEC)

The consortium BeXyl has foreseen the active involvement of research Centers located in non-EU Countries affected by *X. fastidiosa*, as they can represent an important added value to the research activities.

The non-EU Beneficiaries have already long lasting established research program on *X. fastidiosa* (in Argentina, Brazil, US, and Costa Rica) thus already conducting a range of experiments from laboratory to greenhouse and fields. Given that in the respective Countries the bacterium is widespread/endemic and not categorized as quarantine plant pathogen, the research activities to be conducted in these research centers will follow the same procedures of their ongoing research programs on *X. fastidiosa*, and will target the autochthonous bacterial strains. As such, no specific risk for the environment can be anticipated.

With regard to the activities in Australia, the work will consist of computational analysis of remote sensing data acquired in different target areas; thus, no experimental materials (plant, bacterium or insect vectors) will be used and manipulated.

3. COMPLIANCE WITH ETHICAL PRINCIPLES IN BEXYL

3.1 Humans (H)

Understand farmers' and citizens' preferences towards different management practices and technologies that can lead to a reduction of plant protection product use and better management of Xylella fastidiosa outbreaks. Both will contribute to the understanding of the

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challenges of reaching plant protection products (PPPs) use reduction targets under the Farm to Fork Strategy and the Sustainable Use Regulation.

To this end, behavioral treatments might be applied in the experiment based on visual representation of options included in the questionnaires to assess how farmers and citizens perceive the different *X. fastidiosa* management options. The surveys will collect information on farmers/citizens such as age, education, farm size, income, and country, in addition to their attitudes, preferences, and opinion on the issue analyzed.

The sample drawn for the surveys should meet representative criteria. For this purpose, the people interviewed will be recruited on a quota sampling procedure, accounting for age, sex, and location criteria (rural/urban in the case of citizens and agricultural region in the case of farmers), and farm size in the case of farmers.

The participants in the surveys will be requested to give informed consent before accessing the experiment. Information will not be traceable back to the respondents and results will only be reported in an aggregated manner.

All interviewees in the surveys will sign an informed consent forms in English or in its local language. The template of this document is attached in **Annex 1**.

3.2. Personal data (POPD)

Farmers' and citizens' surveys will involve the processing of data regarding individuals' attitudes toward the environment (i.e., special categories of personal data). However, it will neither involve profiling, systematic monitoring of individuals, or processing of large-scale of special categories of data, nor the implementation of intrusive methods of data processing such as surveillance, geolocation tracking, etc.

Moreover, personal data gathered will be collected with anonymity and confidentiality, since information will not be traceable back to the respondents and results will only be reported in an aggregated manner.

Regulation (EU) 2016/679 on the protection of natural persons with regard to the processing of personal data will be considered to ensure that data is kept securely and that the form of any publication, including publication on the Internet, neither directly nor indirectly leads to a breach of agreed confidentiality and anonymity.

BeXyl project will process personal data in its research work, especially in WP8 (Ecological, social, and economic impacts of *X. fastidiosa* and outbreak management approaches). However, all the collected information through surveys, questionnaires, and interviews will be voluntary and anonymous, being the participants adequately informed in advance and without any prejudice to them.

Since the purpose of personal data collected through the surveys does not require the identification of a data subject by the researchers, according to art. 11 of Regulation (EU) 2016/679, the researchers are not obliged to maintain, acquire or process additional information in order to identify the data subject for the sole purpose of complying with this European Regulation or any other applicable national law.

Thus, no declaration of compliance or authorization is required. The designation of a Data Protection Officer is also not required.

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3.3 Animals (A)

The requirements established in Directive 2010/63/UE which aims to improve the welfare of animals used in scientific procedures will be considered in our research program. Welfare in dog training will be ensured together with the Italian National Canine Association (ENCI), avoiding that training techniques may induce fair or pain; conversely, training will rely on the reinforcement (reward) of the positive outcomes perceived by the dog, thus no punishment will be ever used as for our research purpose there is no need to use techniques which impact negatively on the welfare of dogs.

Some details of the training techniques are described below, which guarantee the welfare of the animals:

- All training involves positive training, based on rewards and clickers (Fjellanger, 2003; Pryor,1999).

  In this programme, a whistle or another marker could replace the clicker, and will be used as a reward signal. The marker must first be established as a conditioned reinforcer, linking the sound to an unconditional reinforcer (usually food).

  Once established, the marker allows very precise timing in the presentation of the reward, allowing reinforcement of the behaviour with minimal involvement of the trainer. The dog can therefore be rewarded precisely for approximations of the desired behaviour (e.g primary reaction to the smell) .
- A Training Program for Filter-Search Mine Detection Dogs* R. Fjellanger

  Through training, the dogs learnt passive indication behaviour (stopping near the target odour, without coming into contact with it).

  When the dog correctly finds the target, they are rewarded with a toy (ball, tug) and a play session with their handler. During training, the dog learns to associate the target scent with the appearance of the toy and so, once fielded, is motivated to seek out the target in order to receive the toy—that is, to be rewarded.

  Training is adapted to the individual dog while maintaining high motivation for the task training is based solely on the use of rewards. The rewards used consist of a combination of vocal and physical praise, and rewards in food or fighting sessions for a kong toy.

  The specific allocation of rewards depends on the context. An important component of the context is the dog itself, in particular its motivation.
- Training of Mine Detection Dogs in Bosnia and Herzegovina (NPA Global Training Centre)
  This process applies the standard principles of learning psychology and allows for higher levels of motivation and a more reliable response pattern.

3.4 Non-EU Countries (NEC)

The beneficiaries located in non-EU Countries involved in the project are:

- Beneficiaries located in Argentina, Brazil, US, and Costa Rica have long consolidated experience on *X. fastidiosa* and their involvement will be important to have access to relevant background information that may help to better finalize the experiments in

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EU. They will perform in laboratory and field experiments using their own *X. fastidiosa* strains and host plant cultivars (most of which are not common in EU), thus allowing to gather much more complete molecular/biological information on the complex *X. fastidiosa*/host/environment interactions. This is also important to overcome the need to move among countries plant materials, either non-infected or infected with *X. fastidiosa* (that has a quarantine status in the EU). Their involvement will be also crucial for increasing the impact of the communication and dissemination plan, given that through these Beneficiaries the project and its results will be presented in several overseas conferences and meetings.

- Beneficiary P30-UOM located in Australia own ample expertise and state of the art technology for this specific research topic, and the team leader has significantly contributed to the optimization of remote sensing technology for monitoring *X. fastidiosa* in olive and almond in the EU outbreaks in the framework of the previous H2020 projects POnTE (635646) and XF-ACTORS (727987). Its involvement in BeXyl will enhance optimal exploitation of these previous research investments and boost the advance of research on this innovative topic.

Priority/quarantine plant pests in the EU, where *X. fastidiosa* is encompassed, are under Regulation (EU) 2016/2031 and Regulation (EU) 2019/1702. In addition to the biosecurity provisions foreseen in the legislation, BeXyl will also observe the code of ethics for plant emergencies proposed by the International Society of Plant Pathology (ISPP) following its five standards of practice:

- alert authorities and colleagues of new outbreaks;
- honestly and accurately report information;
- openly share biomaterial and data;
- collaborate with experts on the problem;
- respect and acknowledge the work of other scientists.

Unless it will be considered extremely necessary during the project implementation, no exchange of infectious materials (living bacterial cells in axenic cultures or X. fastidiosa-infected plant materials, or living insect specimens) from non-EU Countries to EU, or viceversa, has been foreseen in BeXyl. As alternative, the exchange of non-infectious DNA-preparations and insect vectors stored in alcohol will be done, as such these samples (not containing living bacterial cells) are not covered by the EU regulations on the possession and handling quarantine plant pathogens (Regulation (EU) 2016/2031 and Commission Delegated Regulation (EU) 2019/829). Even so, any exchange of non-infectious material will be properly documented, correspondence and files kept in a dedicated directory of the BeXyl portal, and available for any verification by the competent Plant Health Authority.

4. APPOINTED ACTORS FOR ETHICAL ISSUES

The European Commission recommends an ethical advisor, as BeXyl involves humans, will collect and process personal data, and will use animals in experiments that will take place in seven non-EU countries. All necessary measures must be taken for the proper treatment of humans and animals and the processing of personal data.

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In addition, the Consortium has decided to use an Ethical mentor throughout the life of the project to monitor and advise the partners from an ethical point of view on the programmed tasks.

Both profiles have been chosen in month 6 of the project and are presented below.

4.1 Ethics Advisor

The external independent Ethics Advisor shall be consulted at least on the following points:

- proper treatment of human participants;
- adequate treatment of animals;
- GPDR compliant handling of personal data;
- adequate cooperation with non-EU countries. It must be explained in detail whether materials and data are exchanged and what measures are taken to ensure EU data protection rules.

The Ethic Advisor, **Dr. Ilja Richard Pavone,** has been selected to ensure that the four elements identified by the European Commission are appropriately covered during the life of the project. Here is a brief description of his current position.

He is Senior Researcher at the Interdepartmental Center for Research Ethics and Integrity (CID Ethics) Italian National Research Council (CNR), BioLaw Unit, Rome; Additionally, is Professor of European Law and Biotechnologies, Catholic University of the Sacred Heart, Rome; He holds a PhD in Human Rights and International Law, from the Sapienza University of Rome.
His University Degree thesis and PhD were related to Bioethics, where he has a huge experience, that is also demonstrated through all his professional career (See **Annex 2** for full CV).
The ethic Advisor Appointment is attached in **Annex 3** signed between the Ethics Advisor and the BeXyl project Coordinator.

4.2 Ethics Mentor

The Ethics Mentor, **Dr. María M. López**, has an extensive knowledge of the work within the BeXyl consortium, having collaborated on multiple projects with many of the partners. In her current retired position, she has the desired impartiality and capacity to approach the ethical dimension of the research successfully.

She is PhD in Agricultural Engineering from the Polytechnic University of Valencia, Spain. She carried out her phytopathological research mainly at Instituto Valenciano of Agricultural Research (IVIA) at Valencia, Spain, where she was named Research Professor (2005) and Director of the Department of Bacteriology at the Center for Plant Protection and Biotechnology until her retirement in 2017.

Related to ethical dimension, she has participated in 29 international projects and in 12 funded by private companies, all of them in cooperation with experts of the 27 EU countries and also from third countries. In many of these projects she has been responsible of Working packages in which she has considered all the ethical principles and issues related to humans, animals and plants, biodiversity and sustainability. she also knows the EU legislation and its ethical aspects.

The letter of Acceptance for the Ethics Mentor is attached in **Annex 4**.

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5. ETHICS REPORT

A report prepared by the external independent Ethics Advisor must be submitted as a deliverable at the end of Reporting Period 1 (RP1, month 18), Reporting Period 2 (RP2, month 36) and Reporting Period 3 (RP3, month 48).

These reports will present the activities carried out in the period described above that ensure the appropriate ethical standard in the dimensions defined in the Grant Agreement. This includes the ethical issues identified in the Summary Ethical Report and any additional ethical issues that may arise in the course of the grant. In the event that substantial new ethical issues arise, beneficiaries must inform the granting authority.

Moreover, advice and recommendations will be defined to maintain or improve these standards in the following periods of the BeXyl project. This is where the Ethics Advisor can add most value, guiding and/or redirecting project activities if necessary.

The proposed template for the generation of these reports is attached in **Annex 5**.

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ANNEX 1

Informed consent form template.

Declaration of consent for interviewees

Research project: BeXyl

Responsible institutions: *Responsible organization*

Leader of the working group: *here it will be the name of the PI of the national team in BeXyl as indicated in the grant agreement.*

Name of the participant: _____

I declare that I have been informed of the objectives of the research project BeXyl and the survey procedure implemented to collect primary information about citizens'/farmers' opinions and preferences regarding different *Xf* management options, and that I am willing to be interviewed in order to provide the information requested in the questionnaire already explained.

All information gathered with my answers will be collected with anonymity and confidentiality since all my responses will not be traceable back and the research results will only be reported in an aggregated manner.

I have been assured that the anonymized data are only accessible to colleagues/scientists involved in the project and will at no time be passed on to third parties. No personalized contact data will be stored.

In case that some specific information should be, for the interest of the project, been georeferenced (and so prone to indirect identification) and use outside of the project consortium, specific consent will be issue indicating the nature of this information, its intended use and dissemination level.

I can terminate the relationship at any time and withdraw consent to the use of my opinions without any disadvantage to me.

Place, date

ANNEX 2

Ethics Advisor Curriculum Vitae.

ILJA RICHARD PAVONE,
e-mail: ilja.pavone@cnr.it
+39 06 49937657 (office)
+39 3402620812 (mobile)

- Senior Researcher, Interdepartmental Center for Research Ethics and Integrity (CID Ethics), Italian National Research Council (CNR), BioLaw Unit, Rome;
- Professor of European Law and Biotechnologies, Catholic University of the Sacred Heart, Rome;
- Phd Human Rights and International Law, Sapienza University of Rome;

Academic career:

- University Degree in Political Science (110/110 *cum laude*), University "Sapienza", Rome, (2001). Thesis Dissertation: "Bioethics and International Law";
- PhD Scholarship granted by the University "Sapienza" of Rome (2001-2004); PhD Dissertation: "Towards a European Bioethics: The CoE Convention on Biomedicine";
- Assistant Professor, Chair of International Law, University "Sapienza" (since 2001);
- Project Manager, Master's Degree in 'International Protection of Human Rights', University "Sapienza" of Rome (from 2002 until 2010);
- Visiting Scholar, New York University (NYU), Center for Bioethics (2003);
- Lecturer: Master's Degree in Bioethics, University "Sapienza", (2005); School of International Politics, Cooperation and Development, FOCSIV, Rome, (since 2006); Master's Degree in Environmental Law: Rules, Institutions and Implementation Techniques; SIOI (since 2006); Master's Degree in Health Management, University "La Tuscia", Viterbo (since 2006); Academic Module on "EU Health Law", Queensland University (2008); Master's Degree in Human Rights, UNICRI (since 2010); Master's Degree in Environmental Law, University Sapienza (since 2017); Master's Degree in Family Law, University Suor Orsola Benincasa (since 2019); Master's Degree in Food Law, LUISS, (since 2022);
- Adjunct Professor, Human Rights, University Sapienza of Rome, (academic years 2006-2007; 2007-2008);
- Adjunct Professor, Models of Federalism and Multilevel Governance (course taught in English), University Sapienza of Rome, (academic year 2010-2011);
- Adjunct Professor of Bioethics and Environmental Ethics, University of Siena (academic years 2011-2012 and 2012-2013);
- Visiting Scholar: Universität Wien (2004); University of Queensland, Faculty of Law (2008); University of Bochum, Centre for Medical Ethics (2011);
- Adjunct Professor of Global Governance, Peace and Security (course taught in English), Venice International University (VIU), academic year 2014-2015;
- Adjunct Professor of Globalization and Criminal Justice: Current Issues (Course taught in English), University of Macerata, academic year 2014-2015;
- Adjunct Professor of Environmental Law, Tuscia University of Viterbo, academic years 2014-2015, 2015-2016; 2017-2018; 2018-2019; 2019-2020;
- Visiting Professor, Max-Planck-Institut für ausländisches öffentliches Recht und Völkerrecht, Heidelberg (2017, 2018, 2020).

Scientific Appointments:

- In charge of the core research project of the Interdepartmental Center for Research Ethics and Integrity "Research Ethics, Bioethics and Biolaw";

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- In charge of the sub-project of the Interdepartmental Center for Research Ethics and Integrity 'International Health Law and of the Biosphere';
- Scientific Secretariat of the CNR Research Ethics and Bioethics Committee;
- Member of the Bioethics Veterinary Committee;
- Member of the Coordinating Committee of the Interest Group on Peace and Security of the European Society of International Law (ESIL);
- Member of the Coordinating Committee of the Interest Group on International Biolaw of the European Society of International Law (ESIL);
- CNR Delegate at ENRIO meetings (European network of Research Integrity Offices) and Science Europe meetings (Research Ethics and Research Integrity): Split, Croatia (2010); Copenhagen, Denmark (2011); Vienna, Austria (2011), Helsinki, Finland (2012); Dublin (2013) Brussels (2014); Luxembourg (2015); Dublin (2016), Brussels (2017); Libson (2017); Stockholm (2018); Prague (2019);
- CNR Delegate at the 2nd World Conference on Research Integrity, ESF, Singapore (2010); 3rd World Conference on Research Integrity Montreal (2013); 4th World Conference on Research Integrity Rio de Janeiro (2015); 5th World Conference on Research Integrity Amsterdam (2017); 6th World Conference on Research Integrity Hong Kong (2019);
- Member of the Working Groups on Dual Use and Research Integrity of the CNR Research Ethics and Integrity Committee;
- Focal point of ISGI-CNR within the joined project with the World Bank entitled "The Right to Health in International Law";
- Consultant of IBLARC (International Multilanguage Archive on the Law of Genetics, Bio-Banks, Intellectual Property Rights and related issues), University of Pavia;
- Member of the project "Implementation of Biosecurity and Dual-Use Education and Awareness Raising", carried out by CNR in partnership with Landau-Centro Volta;
- Intern, UNESCO, National Italian Commission for UNESCO (2002);
- Italian Delegate of UNESCO at the International Conference on "Bioethics, Biodiversity Protection and UNESCO", held in Iceland and UNESCO intern (2002);
- Member of the Italian delegation at the 1st, 2nd and 3rd EuroDéfense Young European Conferences on "EU and Security Issues".

Other scientific appointments:

- Member of the European Society of International Law (ESIL);
- Member of the Italian Society of International Law (SIDI);
- Member of the Interest Group of SIDI on International Environmental Law;
- Legal Consultant of CENSIS in the framework of the project Attività di supporto al Comitato per i minori stranieri" financed by the Italian Welfare Ministry;
- Evaluator of Research Projects financed by the Ministry of Education, University and Research;
- Member of the Scientific Committee of the Review 'The Future of Science and Ethics' (Fondazione Veronesi);
- Reviewer for the fjournals: BioLaw, International Relations & Diplomacy; Asian Bioethics Review; The Future of Science & Ethics;
- Project Manager, ISGI-CNR and ODIHR-OSCE Winter School on Hate Crimes (two editions, 2013 and 2014);
- Member of the Scientific Committee, Master's Degree in International Protection of Human Rights, University "Sapienza" of Rome, (since 2010);
- Member of the EU Non-Proliferation Consortium.

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Seminars and Conference Papers (more recent):

- Heterologous Fecondation in the Judgment of the Italian Constitutional Court, Workshop on Bioethics, University of Naples Federico II, 2014
- Human Rights' Protection in the Context of Clinical Trials in Developing Countries, Doctoral Seminar, University Sapienza of Rome, 2015;
- Animal Welfare and Food Security in International Law, EXPO, Milan, 2015;
- Research Ethics and Research Integrity in the Italian Legal Context, IV World Conference on Research Integrity, Rio de Janeiro, 2015;
- Clinical Trials in Developing Countries in the Light of the Revised Version of the Declaration of Helsinki, World Conference on Bioethics, UNESCO Chair, Naples, 2015;
- The Ebola Outbreak, the Failure of Global Health Governance and the Role of the Security Council in Fighting Health Pandemics: Res. 2177/2014, Workshop on International Health Governance of Disease Outbreak, Alert and Response, Max Planck Institute for Comparative Public Law and International Law, Heidelberg, 2016;
- The Protection of Laboratory Animals under Directive 2010/63/EU: Towards a EU Animal Welfare Law? MPIL Agora, Max Planck Institute for Comparative Public Law and International Law, Heidelberg, 2017;
- End of Life Issues in the Italian Legal Framework, Dialoghi Italiani, Max Planck Institute for Comparative Public Law and International Law, Heidelberg, 2017;
- The Nagoya Protocol as a legal instrument for the promotion of benefit sharing, Worhshop on 'The Right to Enjoy the Benefit of Science and freedom of research', University of Turin, 2017;
- Access and Benefit Sharing under The Nagoya Protocol: An Overview of the Effectiveness of its Regulatory Regime, International Conference on Health, Environment, Food and Risk Regulation, European Society of International Law, University of Parma, 2017.
- The CNR Guidelines on Research Integrity and the European Framework, Università Cattolica, Milano, 2017;
- The European Court of Human Rights and European Convention on Biomedicine: Towards a Common European Bioethics? ESIL Annual Conference, University of Manchester, 2018;
- Air Pollution, Climate Change and Non Communicable Diseases: Which are the Responses through International Law? Workshop on "Health and the Environment in International Law: Actors, Norms and Responsibilities", MPIL, Heidelberg, 2018;
- Climate Change, Vulnerability and Internal Displacement: which Responses by International Law? Workshop on Environmentally-Induced Migration and Human Rights' Protection, Sapienza University of Rome, 2018;
- What is Euthanasia? Seminar on 'Dying and Death: the Most Challenging Issues in the Current Debate, Stensen Foundation, Naples, 2019;
- Legal Responses to Animal Cruelty, Italian Companion Animal Veterinary Association, Rome, 2019;
- The Securitization of Health within the Security Council: Perspective in Light of the COVID-19 Pandemic, Webinar on 'International Law in the age of COVID-19', ESIL Research Forum, Rome, 2020,
- COVAX and Distributive Justice, Webinar on 'COVID-19 e vaccini. Diritto alla salute, giustizia', CID-Ethics, CNR, Rome, 2021;
- The Directive 2010/63/EU on the protection of lab animals and its Implementation in Italy, 'Interpretazione e applicazione del principio delle 3R: Scienza, bioetica e diritto nella sperimentazione animale. Presentazione del volume Practical Handbook on the 3Rs in the Context of the Directive 2010/63/EU a cura di Gianni Dal Negro e Silvia Sabbioni', CID-Ethics, CNR, Rome, 2022;

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- The WHO Declaration of Monkeypox as a Global Public Health Emergency, Webinar on 'Il rischio pandemico tra scienza e diritto', CID-Ethics, CNR, Rome, 2022.

SCIENTIFIC PUBLICATIONS

Monograph:
Pavone, I.R. (2009): *La Convenzione europea sulla biomedicina* (*The European Convention on Biomedicine*) Milano: Giuffrè.

Edited volumes:
Caporale C., Pavone I.R. (2018): *International Biolaw and Shared Ethical Principles: The Universal Declaration on Bioethics and Human Rights*, London: Routledge;
Caporale C., Pavone, I.R., Ragionieri, M.P. (2021), *The Global Food Challenge: How Food Law can balance Health, Environment and Animal Welfare*, The Netherlands: Wolter Kluwers.

Further Publications:
A1) Encyclopaedia entries:
- Pavone, I.R. (2007) Genetica e Diritti dell'Uomo, in: *Enciclopedia Giuridica Treccani*, Roma, pp. 1-6;
- Pavone, I.R. (2007) Croce Rossa Internazionale" in: *Enciclopedia Giuridica Treccani*, Roma, pp.1-5;
- Pavone, I.R. (2010) Convenzione sulla bioetica, Oviedo 1997, in: *Enciclopedia di bioetica e scienza giuridica*, Roma, pp. 1-5;
- Pavone, I.R. (2010) Comitato Europeo di Bioetica, in: *Enciclopedia di bioetica e scienza giuridica*, Roma, pp. 1-5;
- Pavone, I.R. (2010) Comitato di bioetica dell'UNESCO, in: *Enciclopedia di bioetica e scienza giuridica*, Roma, pp. 1-5;
- Pavone, I.R. (2010) Dichiarazione di bioetica dell'UNESCO (UNESCO Declaration on Bioethics), in *Enciclopedia di bioetica e scienza giuridica,* Roma, pp. 221-224;
- Pavone, I.R. (2010) Protocollo aggiuntivo sulla clonazione, in: *Enciclopedia di bioetica e scienza giuridica*, Roma, pp.101-103;
- Pavone, I.R. (2010) Protocollo aggiuntivo sulla ricerca biomedica, in: *Enciclopedia di bioetica e scienza giuridica, Roma,* 2010, pp. 300-304;
- Pavone, I.R. (2010) Protocollo aggiuntivo sui trapianti, in: *Enciclopedia di bioetica e scienza giuridica*, Roma, pp. 326-341;
- Pavone, I.R. (2010) Etnie, in *Enciclopedia di bioetica e scienza giuridica*, Roma, pp. 345-349;
- Pavone, I.R. (2010) "Finanza internazionale", in *Enciclopedia Giuridica Treccani,* Roma, pp. 1-4.
- Pavone, I.R. (2019) NATO [diritto internazionale], in *diritto on line treccani*, http://www.treccani.it/enciclopedia/nato-diritto-internazionale_%28Diritto-on-line%29/.

A 2) Articles in Reviews:
- Pavone, I.R. (2002) Embrione e genoma umano nella Convenzione europea sulla biomedicina e nelle legislazioni nazionali, in: *Rivista della cooperazione giuridica internazionale,* pp. 56-73;
- Pavone, I.R. (2002) Nota alla decisione della Corte europea dei diritti umani del 29 aprile 2002 sul caso Pretty v. United Kingdom, in: *Affari Sociali Internazionali* pp. 37-49;
- Pavone, I.R. (2003) Le risorse idriche nel diritto internazionale con particolare riferimento al Medio-Oriente, in: *Affari Sociali Internazionali* pp. 95-119;

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- Pavone, I.R. (2004) Eutanasia e diritti umani: compatibilità o contraddittorietà? in: *Jus, Rivista di Scienze Giuridiche* pp. 593-621;
- Pavone, I.R. (2004) Le armi di distruzione di massa nel diritto internazionale, in: Rivista della Cooperazione Giuridica Internazionale pp. 36-60;
- Pavone, I.R. (2004) Lo sfruttamento delle risorse idriche nel subcontinente indiano: profili problematici, strumenti normativi e prospettive future in: *Affari sociali internazionali* pp. 71-94;
- Pavone, I.R. (2006) L'Unione Europea e le Armi di Distruzione di Massa: La Clausola di Non-Proliferazione, in: *Affari Esteri* pp. 619-628;
- Pavone, I.R. (2008) Drawing the boundary line of humans: in whose bailiwick? in: *Derecho Y Religion*, pp.1-25;
- Pavone, I.R. (2009) La NATO orientale nel Caucaso del Sud, in: *Eurasia* pp. 121-134;
- Pavone, I.R. (2009) HIV/AIDS and International Human Rights Law, in: *LawAsia Journal* pp. 96-111;
- Pavone, I.R. (2010) Italian experiences in combating hate crimes and hate speech in light of recent violence by and against Roma, in: *Acta Juridica Hungarica* pp. 187-197;
- Pavone, I.R. (2010) Implicazioni giuridiche del nuovo concetto strategico della NATO, in: *La Comunità internazionale* pp. 447-472;
- Pavone, I.R. (2011) The Italian Legislation on Roma and Sinti and its Compliance with European and International Standards, in: *Acta Juridica Hungarica* pp. 325-334;
- Pavone, I.R. (2012) La situazione in Siria e la Risoluzione dell'Assemblea generale del 16 febbraio 2012, in: *Diritti umani e diritto internazionale* pp. 425-430;
- Pavone, I.R. (2012) Disarmo e limitazione degli armamenti nucleari nel diritto internazionale: L'Accordo START III, in: *La Comunità internazionale* pp. 515-540;
- Pavone, I.R. (2012) Medically Assisted Procreation and International Human Rights Law in: *Italian Yearbook of International Law* XXII pp.155-183;
- Pavone, I.R. (2013) La giurisdizione penale sui pirati tra rispetto dei diritti umani ed esigenze di contrasto efficace alla pirateria moderna in *Il diritto marittimo* IV pp. 721-744;
- Pavone, I.R. (2013) La Siria e le armi chimiche: la Risoluzione del Consiglio di sicurezza 2118 (2013) in: *La Comunità internazionale* pp. 715-744;
- Pavone, I.R. (2014) The Crisis of the Responsibility to Protect Doctrine in the Light of the Syrian Civil War in: *Global Community Yearbook of International Law* pp. 115-139;
- Pavone, I.R. (2014) The Human Security Dimension of Ebola and the Role of the Security Council in Fighting Health Pandemics: Some Reflections on Resolution 2177/2014 in: *South African Yearbook of International Law* pp. 56-81;
- Pavone, I.R. (2014/2015) The Ukraine Crisis as a Paradigm of the Limits of International Law and the West's Faults in: *Finnish Yearbook of International Law* pp. 101-144;
- Pavone, I.R. (2015) Animal Experimentation and Animal Welfare in the Context of the European Union: Reflections on Directive 2010/63/EU and its Transposition in Italy in: *BioLaw Journal – Rivista di biodiritto* pp. 227-249;
- Pavone, I.R (2016) La diagnosi genetica pre-impianto in Italia alla luce dei recenti sviluppi giurisprudenziali" in: *The Future of Science and Ethics*, pp. 119-137;
- Pavone, I.R. (2016) Legal Responses to Placebo-Controlled Trials in Developing Countries in: *Global Bioethics* pp. 1-15;
- Pavone, I.R. (2017) Where to for R2P? The US Syria strike and the future of the Responsibility to Protect doctrine, in *Asia & the Pacific Policy Forum*, available online at https://www.policyforum.net/where-to-for-r2p/;

Funded by the European Union

- Pavone, I.R. (2017), The US Unilateral Strike against Syria: Another Misses Test of Theory of Responsibility to Protect, in International Affairs Forum, available online at http://www.ia-forum.org/Content/ViewInternalDocument.cfm?ContentID=8710;
- Pavone, I.R. (2018) Race to Extinction: Shark Conservation in International and European Law and Its Limits, in: *Ocean and Coastal Law Journal* pp.45-86;
- Pavone, I.R. (2018) The Trump Administration and the Paris Agreement: Road to Nowhere? In: *Journal of International Studies* Vol. 11, N. 1 pp. 34-49;
- Pavone, I.R. (2018) Il Protocollo di Nagoya e l'attuazione del principio di Access and Benefit Sharing con particolare riferimento all'user compliance pillar, in: *BioLaw Journal – Rivista di biodiritto* pp. 251-273;
- Pavone, I.R. (2018) La macellazione inconsapevole, in: *The Future of Science and Ethics* pp.153-155.
- Pavone, I.R. (2019) Animal Welfare and Protection of Farm Animals in the European Union, in *L'Observateur des Nations Unies*, Vol. 45, pp. 7-30;
- Pavone, I.R. (2019), Is Banning Enough? The Intricacy inherent to Marine Mammal Conservation, in: *German Law Journal*, pp. 587-613;
- Pavone, I.R. (2020), Towards an EU Animal Welfare Law: The Case of Animal Testing and the Limits of New Welfarism, in: *Journal of Animal and Natural Resource Law*, vol. XVI, 2020, pp. 193-246;
- Pavone, I.R. (2021), ESIL Reflections COVID-19 Series – Security Council Resolution 2532 (2020) on COVID-19 A Missed Opportunity? in *ESIL Reflections*, ESIL Reflections COVID-19 Series – Security Council Resolution 2532 (2020) on COVID-19: A Missed Opportunity? – European Society of International Law | Société européenne de droit international (esil-sedi.eu);
- Pavone, I.R. (2021): "The Covid-19 Pandemic, the Failure of the Binary PHEIC Declaration System, and the Need for Reform", in *Verfassungblog on Matters Constitutional*, https://verfassungsblog.de/the-covid-19-pandemic-the-failure-of-the-binary-pheic-declaration-system-and-the-need-for-reform/.
- Pavone, I.R. (2021): "The COVID-19 Pandemic and the Challenge of Vaccine Nationalism", in *Revue belge de droit international*, pp. 78-102.

A3) Articles in edited volumes

- Pavone, I.R. (2007), Il diritto all'istruzione e le Nazioni Unite (in: F. Marcelli (ed.), Manuale di cooperazione allo sviluppo, Milano: Giuffrè, pp. 174-189;
- Pavone, I.R. (2008), Aspetti giuridico-internazionali dell'ingegneria genetica, in: V. Della Fina (ed.) Discipline giuridiche dell'ingegneria genetica, Milano: Giuffré, Milano, pp. 167-202;
- Pavone, I.R. (2010), "Art. 15 (Diritto di non essere sottoposto a tortura, a pene o a trattamenti crudeli, inumani o degradanti – Right not to be tortured)"; "Art. 16 (Diritto di non essere sottoposto a sfruttamento, violenza e maltrattamenti – Right not to be exploited)"; "Art. 25 (Diritto alla salute – Right to Health)"; "Art. 26 (Abilitazione e riabilitazione – Abilitation and Reabilitation)", in: S. Marchisio (ed.) Commentario alla Convenzione ONU sulla disabilità, (Commentary on the UN Convention on Disability) Milano: Aracne;
- Pavone, I.R. (2012), "The Legal Implications of Preimplantation Genetic Diagnosis", in Biotech Innovations and Fundamental Rights, (R. Bin et al. eds.), Springer-Verlag, Milano, pp. 155-171;
- Pavone, I.R. (2012), "Medical Research in Developing Countries and Human Rights", in Human Medical Research: Ethical, Legal and Cultural Aspects, (J. Schildmann et al. eds.), Springer Basel AG, pp. 65-87;

Funded by the European Union

- Pavone, I.R. (2012), "Questioni di fine vita tra ordinamenti interni e diritto internazionale dei diritti umani", in Il diritto alla fine della vita. Principi, decisioni, casi. Atti del Convegno FIRB di Napoli del 19/21 maggio 2011, (A. D'Aloia ed.), ESI, Napoli, pp. 469-489;
- Pavone, I.R. (2013), 'Human Migrants and Compulsory HIV/Testing', in Human Mobility (GC. Bruno, I. Caruso, B. Venditto eds.), Rubbettino, Bari, pp. 121-139;
- Pavone, I.R. (2014), "Lotta alla pirateria e ruolo delle organizzazioni regionali", , in Liber Amicorum Saulle, ESI, Napoli, pp. 326-349;
- Pavone, I.R. (2016) "La Corte interamericana e la procreazione assistita: il caso Murillo c. Costa Rica", in Studi su Bioetica e Diritto Internazionale (Gioffredi G, ed.), Editoriali Scientifiche Italiane, Napoli, pp. 145-176;
- Pavone, I.R. (2017), "Article 25: Right to Health"; in The United Nations Convention on the Rights of Persons with Disabilities: A Commentary (Della Fina V., Palmisano G., Cera R.), Springer International Publishing, 2017, pp. 471-485;
- Pavone, I.R. (2017), "Article 26: Habilitation and Rehabilitation", in The United Nations Convention on the Rights of Persons with Disabilities: A Commentary (Della Fina V., Palmisano G., Cera R.), Springer International Publishing, pp. 487-496;
- Pavone, I.R. (2017), "Article 40: Conference of States Parties", in in The United Nations Convention on the Rights of Persons with Disabilities: A Commentary (Della Fina V., Palmisano G., Cera R.), Springer International Publishing, pp. 667-670;
- Pavone, I.R. (2017) "Ebola and the Securitization of Health: United Nations Security Council Resolution 2117/2014 and Its Limits", in The Governance of Disease Outbreaks. In International Health Law: Lessons from the Ebola Crisis and Beyond (P. Villareal Ed.), Berlin: Springer-Verlag, pp. 301-326;
- Pavone, I.R. (2018), "The Role of Soft Law in Bioethics", in Caporale C., Pavone I.R. (2018): International Biolaw and Shared Ethical Principles: The Universal Declaration on Bioethics and Human Rights, London: Routledge, pp. 99-119;
- Pavone, I.R. (2020), "Case Law of the Strasbourg Court in the Field of Bioethics and the Biomedicine Convention", in M. Cazorla Torres (ed.), Bioderecho International y Universalización: El Papel de Las Organizaciones y los Tribunales Internacionales, Valencia: Tirant Lo Blanch, pp. 119-154;
- Pavone, I.R. (2020), "European Solidarity in the Age of Covid-19: The SURE Instrument", in P. Acconci, E. Baroncini (a cura di), Gli effetti dell'emergenza Covid-19 su commercio, investimenti e occupazione. Una prospettiva italiana, Alma-DL, University of Bologna Digital Library, Bologna, Dipartimento di Scienze Giuridiche, pp. 403-419;
- Pavone, I.R. (2021), "Food Production and Animal Welfare: An International Law Perspective", in C. Caporale, I.R. Pavone, M.P. Ragionieri (a cura di), International Food Law. How Food Law Can Balance Health, Environment and Animal Welfare, The Netherlands: Wolters Kluwer, pp. 147- 166;
- Pavone, I.R. (2021), "Diritti fondamentali dei pazienti affetti da malattie rare nella prospettiva internazionalistica", in E. Mancini (a cura di), Questa volta è una zebra. Etica della ricerca sulle malattie rare, Roma: CNR Edizioni, pp. 15-36;
- Pavone, I.R., Baroncini E., (2022), "La tutela del patrimonio culturale nel diritto internazionale", in Caporale C. (a cura di), Restituzione" e trattamento del patrimonio culturale. Oggetti, resti umani, conoscenza, Roma: CNR edizioni, Collana: Etica e Patrimonio Culturale, (in progress).

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ANNEX 3

Ethic Advisor Appointment.

Ethics Advisor Appointment

BETWEEN

Dr. **BLANCA B. LANDA DEL CASTILLO** as Coordinator of **BeXyl** Project, and

Dr. **LEIRE MOLINERO RUIZ** as Director of CSIC-IAS

AND

Dr. **ILJA RICHARD PAVONE** as researcher of the **Interdepartmental Center for Research Ethics and Integrity (CID Ethics),** Italian National Research Council (CNR), BioLaw Unit, Rome.

WHEREAS:

- the project entitled "Beyond *Xylella*, Integrated Management Strategies for Mitigating *Xylella fastidiosa* impact in Europe" hereinafter referred to as "**BeXyl**", has been funded by the European Commission under HORIZON-CL6-2021-FARM2FORK-01 program - GA 101060593;
- the **BeXyl** project is led by BLANCA B. LANDA DEL CASTILLO, from CSIC-IAS as Coordinator of a Consortium of 31 partners from 14 countries from the European Union (EU) and other countries outside the EU (Israel, USA, Costa Rica, Brazil, Argentina, Australia and UK);
- the **BeXyl** project foresees the management of Ethic issues according to Technical Annex Part B Section 4 "Ethic Self-Assessment", by complying also with requirements as described in WP11 - Ethics requirements;
- the **CNR Research Ethics and Integrity Committee** is an independent body with an advisory role on matters of research ethics, bioethics and biolaw, which evaluates on the ethical level research projects conducted by the CNR or by other research organizations and provides Ethical Clearance advice.
- the **CNR CID Ethics** is external to the BeXyl project and to CSIC-IAS and it is free from any conflict of interest;
- Both parties expressed interest to set a road map for the cooperation on the ethical issues

NOW, THEREFORE, IT IS HEREBY AGREED AS FOLLOWS:

Dr. **ILJA RICHARD PAVONE** is appointed as **External Independent Ethics Advisor** to oversee the ethical concerns involved in the project.

The parts will establish mutual cooperation regarding the ethical issues and will put into place the procedures to handle these appropriately if ethical concerns arise from research activities of the BeXyl project.

BeXyl Grant Agreement 101060593

The **External Independent Ethics Advisor** will contribute to the good governance of the BeXyl project and, within the limits of its competences, will assist the Consortium in maintaining high ethical standards and in protecting the dignity, autonomy, integrity and privacy of persons, biodiversity and sustainability.

Reports about the compliance of the project activities with relevant ethical and regulatory review necessities will be produced by the Consortium, through the WP11- Ethics requirements leader (Dr. B. B. Landa), under the supervision of the Ethics Advisor and submitted to the European Commission together with the periodic reports scheduled in the Action plan for the implementation.

Due to the nature of the investigation activities to be performed within the BeXyl project, ethically relevant incidental findings are not expected. In case of actual incidental findings, details will be collected and provided to the Ethics Advisor.

Both parties will strength cooperation, and all the BeXyl beneficiaries could be involved for scientific aspects if needed.

Secrecy clause

We undersigned BLANCA B. LANDA DEL CASTILLO and ILJA RICHARD PAVONE hereby declare and accept that all the information provided under the umbrella of this agreement are strictly confidential, will be used only for the purpose of this cooperation and cannot be transferred to other third parties without the written consensus by Coordinator aging on behalf of the project Beneficiaries.





Signature **BLANCA B. LANDA DEL CASTILLO** Signature **ILJA RICHARD PAVONE**

Signatures







Blanca B. Landa del Castillo
Coordinator BeXyl Project

Spain

Leire Molinero Ruiz
Director CSIC-IAS

Spain

Ilja Richard Pavone
BeXyl External Independent Ethic Advisor
CNR CID Ethics

Italy

Date 15th February 2023

BeXyl Grant Agreement 101060593

Action plan for the implementation

WP Task/or issue	Who	Time	Expected output and Actions
WP11: OEI Requirement No. 1	CSIC	28 February 2023	Deliverable D11.1 Appointment of an independent expert as Ethics Advisor. Definition of Ethical rules for partners to be shared and observed by all the Consortium members participants during the project's life.
WP11: OEI Requirement No. 2	CSIC	29 February 2024	Deliverable D11.2 Report prepared by the external independent Ethics Advisor deliverable at the end of RP1.
WP11: OEI Requirement No.3	CSIC	31 August 2025	Deliverable D11.3 Report prepared by the external independent Ethics Advisor deliverable at the end of RP1.
WP11: OEI Requirement No.4	CSIC	31 August 2026	Deliverable D11.4 Report prepared by the external independent Ethics Advisor deliverable at the end of RP1.

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ANNEX 3

Letter of acceptance for Ethic Mentor.

To:
Dr. Blanca B. Landa del Castillo
Instituto de Agricultura Sostenible, CSIC
Av. Menéndez Pidal s/n
14004, Córdoba
Spain

ACCEPTANCE LETTER

It is my pleasure to accept the invitation to be the Ethic Mentor of the BeXyl Horizon Europe project (Beyond *Xylella*, Integrated Management Strategies for Mitigating *Xylella fastidiosa* impact in Europe, nº 101060593).

As Ethic Mentor, I am committed to advice and monitor, from my area of expertise, whether the project activities are in compliance with the highest standards of research ethics and integrity, and with EU, national and international law (Horizon Europe regulation 2021/695).

During the project, I will be in contact with the Coordinating Team who will provide me with the necessary information and documents, which I will keep strictly confidential, to support them providing my advice.

Valencia, 17 February 2023



Dr. María M. López

Contact information

Cavanilles 20, Valencia, 46010, Spain, phone 34-669588239

Mm52lopez@gmail.com

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ANNEX 4

Report by the Ethics Advisor template.



OEI Requirement: Report by the Ethics Advisor

Deliverable X.X

DD Month YYYY

Author(s):

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DELIVERABLE INFORMATION

Start of the project:	01 Sep 2022
Duration:	48 months
Coordinator:	Blanca B. Landa
Deliverable title:	[AS REPORTED IN THE DoA]
Deliverable n°:	[Dx.y]
Nature of the deliverable:	[Report, Data, DEC, DMP, Ethics, Other]
Dissemination level:	[Public, Sensitive, EU classified]
WP contributing:	[WPx]
Lead beneficiary:	[Organisation]
Due date of deliverable:	01 Jan 2023
Actual submission date:	01 Jan 2023

Deliverable status

Ver.	Status	Date	Author(s)
1.0	Final/Draft	DD Month YYYY	Name - Organisation
1.0	Final/Draft	DD Month YYYY	Name - Organisation

Disclaimer

The content of this deliverable does not necessarily reflect the official opinions of the European Commission or other institutions of the European Union.

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1. CURRENT ACTIVITIES TO MAINATAIN HIGH ETHICAL STANDARDS IN BEXYL

1.1 Humans (H)

Proper treatment of human participants;

1.2 Personal data (POPD)

GPDR compliant handling of personal data;

1.3 Animals (A)

Adequate treatment of animals;

1.4 Non-EU Countries (NEC)

Adequate cooperation with non-EU countries. It must be explained in detail whether materials and data are exchanged and what measures are taken to ensure EU data protection rules.

2. FURTHER ADVICE AND RECOMMENDATION TO MAINTAIN HIGH ETHICAL STANDARDS IN BEXYL

2.1 Humans (H)

Proper treatment of human participants;

2.2 Personal data (POPD)

GPDR compliant handling of personal data;

2.3 Animals (A)

Adequate treatment of animals;

2.4 Non-EU Countries (NEC)

Adequate cooperation with non-EU countries. It must be explained in detail whether materials and data are exchanged and what measures are taken to ensure EU data protection rules.

3. REFERENCES

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