



VETBIONET

Veterinary Bio-contained facility Network for excellence in animal infectiology research and experimentation

Deliverable D5.12
E-learning platform

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Organisation name: EAAP

Revision: V1

Dissemination level	
Public	x
Confidential, only for members of the consortium (including Commission Services)	
Classified, as referred to in Commission Decision 2001/844/EC	

Table of contents

Summary	3
1.1 Description	5
1.2 Annex: Website dedicated page.....	6

Summary

Objectives

Deliverable 5.12 "E-learning platform" is dedicated to organizing and making available online resources such as summer schools' presentations, webinars, workshops and further resources produced within the project and beyond, targeting scientists, but not only.

The platform also intends to help stakeholders and the public sector to understand the innovations and risks of infectiology experimentation, the best practices, the use of international standards and to illustrate current and likely changes in disease outbreak control.

This platform is intended as an ultimate tool gathering the main information produced along the whole project that can be consulted any time and that can be considered as a free-access heritage of the VetBioNet project.

This platform is intended to be fed until the end of the project and even beyond, depending on the materials related to the activities of VetBioNet that will be deemed relevant and the perenisation of the website.

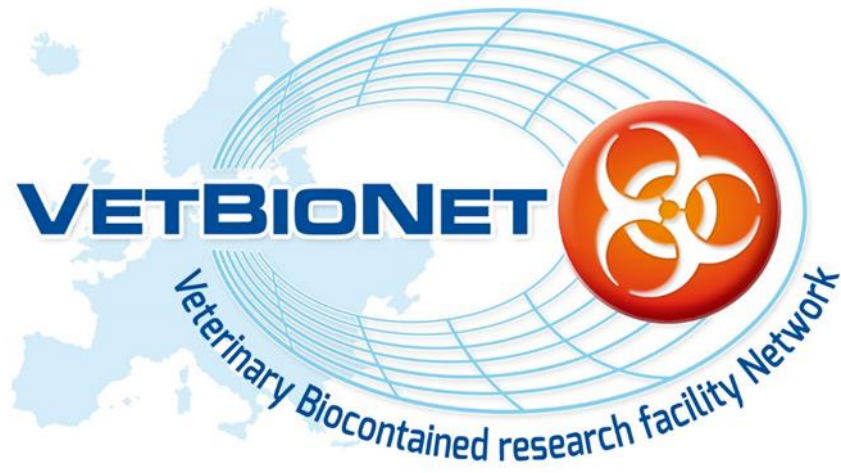
Rationale

Deliverable 5.12 describes the structure of the e-learning platform available online. Links and details are provided in the annex.

Teams involved

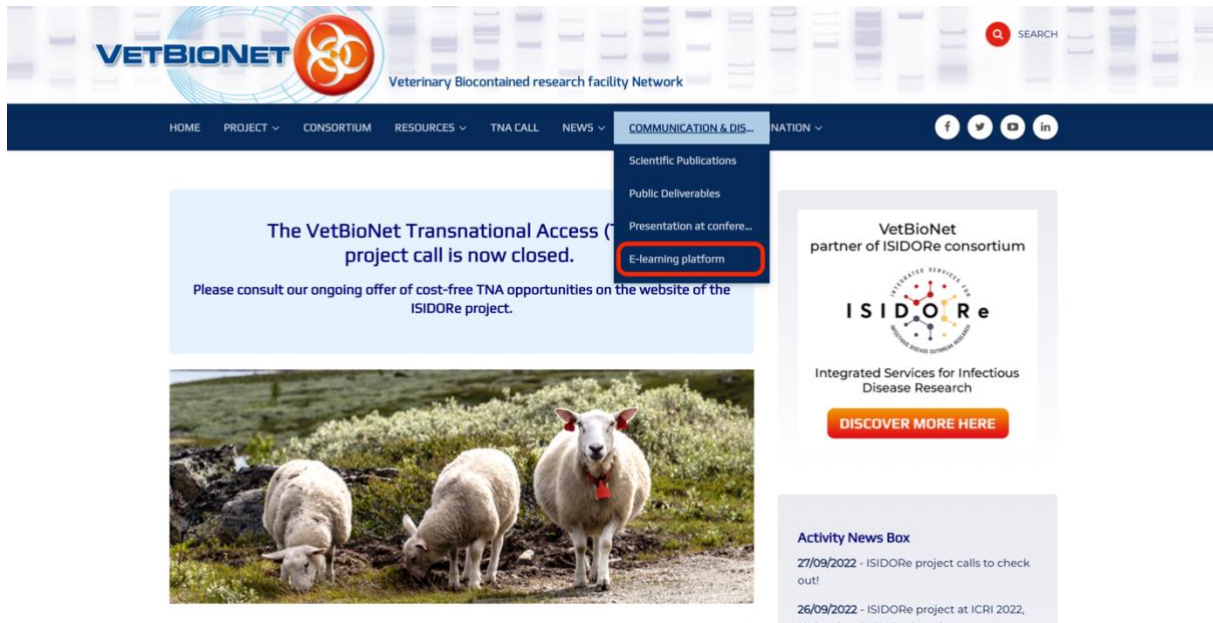
EAAP, INRAE, all partners.

E-learning platform



1.1 Description

The E-learning platform is located on the VetBioNet website, as a subfolder of the “Communication & Dissemination” main menu.



It is structured in different sections namely:

- Best Practice Guidelines and Training
 - WP3 – Best practices for Biosafety, Biosecurity and Quality Management
 - Related public deliverables
 - Training: IRTA – CReSA Fall Course – Biocontainment & Biosecurity presentations
- Webinars and virtual talks (for more details please consult D5.9):
 - EAAP & VetBioNet webinar: Contribution and application of the Zebrafish model to the “One Health” concept
 - 3rd VetBioNet Annual Meeting – Transnational access (TNA)
 - 3rd VetBioNet Annual Meeting – VetBioNet partners research activities related to Covid-19

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement N°731014

- 3rd VetBioNet Annual Meeting – Joint research activities involving private partners
- VetBioNet partners video presentation
 - Eurofins-Ingenasa
- VetBioNet partners animated videos
 - VetBioNet network is committed to animal health and welfare!
 - How can VetBioNet improve ethical standards in animal experimentation?

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1.2 Annex: Website dedicated page

Screenshot taken from the “E-learning platform” subfolder under «Communication & dissemination»:

- Best Practice Guidelines and Training

Best Practice Guidelines and Training

WP3 – Best practices for Biosafety, Biosecurity and Quality Management

VetBioNet works in partnership with the International Veterinary Biosafety Workgroup (IVBW), a 167 members organisation involved in farmed animal high containment from across the world, with a mission to "promote best practice in microbiological biocontainment and safety in veterinary laboratories that have national responsibility for the health of large animals, and which operate at biosafety level 3 and 4". VetBioNet has a page on the IVBW for sharing its outputs on best practice guidance notes.

These guidances cover a wide range of topics and are focused on the specific challenges of running a High Containment Facility for Farmed Animal Species, and currently include:

- Training and Competence for Working in Containment Level 3 Animal Facilities
- High Containment Facilities Building Officer – Guidance Notes
- Emergency Procedures and Contingency Planning in Containment Facilities
- Best Practice on the Selection, Validation and Use of Disinfectants in High Containment Animal Facilities

A link to the site can be found below:

[International Veterinary Biosafety Workgroup – Home](#)

Related public deliverables:

- D1.3_List of samples available from collections and procedure
- D3.3_Biorisk management programme for facilities handling large farmed animals
- D3.10_Report on Best Practice for facility management
- D3.4_Guidelines of minimum requirements and criteria for training provision and competency assessment
- D3.4 Annex: Guidelines of minimum requirements and criteria for training provision and competency assessment for operating high containment farmed animal facilities
- D3.4 Annex: Addendum Fish experimental facilities
- D3.5 Training material for specific critical positions in animal high containment facilities
- D3.6 Process guidelines for designing and upgrading BSL3/3+ facilities for farmed animal species including design and assessment
- D3.6 Annex: Process guidelines for designing and upgrading BSL3/3+ facilities for farmed animal species
- D4.1_Open Science and Stakeholder Engagement Strategy Report
- D4.5_Ethics Committee Best Practice Guidance
- D5.2_Creation of the Data Management Plan (DMP)
- D5.4_VetBioNet 3Rs Training Event Professional Training School in Experimental Design
- D5.5_Two short videos targeting veterinary laboratories and general public:
 1. How can VetBioNet improve ethical standards in animal experimentation?
 2. VetBioNet network is committed to animal health and welfare!
- D6.1_List of Activities of Interest to be maintained after the EU funding period
- D7.2_Novel reservoir host infection models for BSL3 zoonotic pathogens
- D8.1_Development of a differential serological assay to separate RHDV infection from RHDV2
- D9.1_Prototype telemetry sensors and behavioral analysis software
- D9.2_Adaptation of light sheet confocal microscopy to the imaging of living pathogens

Training: IRTA – CReSA Fall Course – Biocontainment & Biosecurity presentations

- 1-Hazard criteria and categorization-VetBioNet
- 2-Biocontainment Levels-VetBioNet
- 3-Risk Assessment-VetBioNet
- 4-Protective personal equipment-VetBioNet

• Webinars and virtual talks

Webinars and virtual talks

1) EAAP & VetBioNet webinar: Contribution and application of the Zebrafish model to the "One Health" concept

The seventh EAAP Webinar titled *Contribution and application of the Zebrafish model to the "One Health" concept* has been organized in collaboration with the Horizon 2020 funded project **VetBioNet – Veterinary Biocontained research facilities Network**.

Maria-Isabel Thoulouze from "INRAE" (France) and VetBioNet Deputy Coordinator chaired the webinar, presenting the VetBioNet project aims and activities with a focus on the Transnational access – TNA call. The first presentation has been given by *Christelle Langevin* from "INRAE" (France) on "**Zebrafish as an in vivo model for biomedical and animal health research**", *David Pérez Pascual* from "Institut Pasteur" (France) then talked about the "**Gnotobiotic zebrafish model for the study of host-microbiota interactions**". Finally, *Vincenzo Torraca* from the "London School of Hygiene and Tropical Medicine" (UK) made a speech about "**Zebrafish infection: from pathogenesis to cell biology**".



2) 3rd VetBioNet Annual Meeting – Transnational access (TNA)

Introduction by Sascha Trapp – VetBioNet project coordinator.

– TNA overview (Norbert Stockhofe, WBVR)

– [TNA project results](#): Successes & challenges of intra-muscular and oral DNA vaccination of carp against Spring Viremia of Carp Virus (SVCV)

(Maria Forlenza, Wageningen University & Research)

– [TNA project results](#): Experimental infection of ewes and pigs with a novel Pestivirus related to classical swine fever virus (SFV) (Lilianne Ganges, CReSA)



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- VetBioNet partners animated videos

VetBioNet animated videos

1) VetBioNet network is committed to animal health and welfare!

What is the real impact of animal health and welfare on people's health and daily life? Learn more in this short video produced by the VetBioNet Project!



2) How can VetBioNet improve ethical standards in animal experimentation?

VetBioNet is a collaborative project including high-containment research facilities, academic institutes, international organisations and industry partners. VetBioNet aims at enhancing research on epizootic and zoonotic diseases in many ways, including 3Rs alternatives to animal research: reduction, refinement and replacement.



The page is visible [here](#).