

Stronger Together

Each year, the One Health EJP hosts an Annual Scientific Meeting, bringing together the scientific community to share their research news and network with one another. This year's event took place in June and was hosted by our partners at Statens Serum Institut (SSI) and Technical University of Denmark (DTU-FOOD) in Copenhagen, with live streaming by an on-site production team. We welcomed an international audience of over 500, some attending in person, others virtually.

The high-quality scientific programme showcased recent advances in One Health research and was an excellent demonstration of what can be achieved when

we collaborate and work together using a cross disciplinary approach to tackle present and future threats. The One Health concept recognises the interconnectivity between human, animal and environmental health, and meeting together annually at the One Health EJP event to showcase One Health research is an important way to initiate new collaborations, expand knowledge, catch up with colleagues and celebrate our achievements.



The scientific programme included 6 keynote talks covering topics from antimicrobial resistance surveillance to pandemic preparedness and ethics. This event also provided the opportunity for researchers across the globe to present and share their work if selected to be one of the 30 oral presentations or one of about 160 poster presentations.

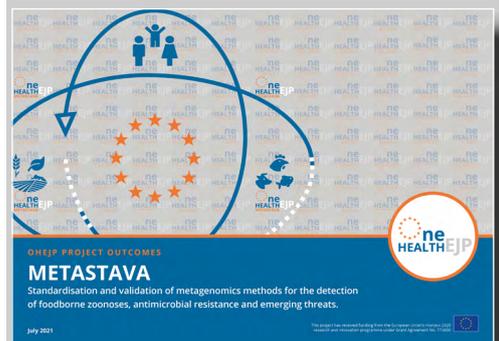
Coming together each year demonstrates that we are 'stronger together' and highlights the need for communication, integration and collaboration to use the One Health approach to improve all health. We hope that next year we will be able to see more of you in person in Italy!

COVRIN and METASTAVA

Earlier this year the One Health EJP funded the **COVRIN** project in response to the COVID-19 pandemic. This two year project focuses on reinforcing the collaboration of research activities on SARS-CoV-2 by integrating the research activities across the One Health EJP partner institutes.

The COVRIN project aims to identify the drivers for the emergence and spread of the SARS-CoV-2 virus and generate data and build risk assessment models. Taking a One Health approach in this research will help to improve detection of the virus in animals and the environment and also improve surveillance and risk assessment at the human-animal interface. The project also aims to advance the molecular and biological characterisation of this virus, in addition to improving coronavirus preparedness in the future.

The One Health EJP Communications Team are collaborating with Project Leaders, as projects end, to highlight outcomes via an interactive brochure. The first is METASTAVA, and is [available now](#).



One Health EJP and the environment - breaking down the silos

Within the One Health concept, environmental health is often overlooked when compared to human or animal health. Neither humans nor animals can exist without our environment, it produces the air we breathe, the water we drink and the food we eat, therefore it needs to be protected.

The importance of considering the environment to improve health and wellbeing is highlighted in several EU policies, for example the Green Deal policy supports the [Farm to Fork Strategy](#), the [Biodiversity Strategy](#) and the [EU Strategic Approach to Pharmaceuticals in the Environment](#). Furthermore, recent EU initiatives to prevent and respond to future pandemics have recognised that environmental exploitation plays a role in zoonotic outbreaks.

In recent months the One Health EJP has put the environment at the forefront of conversation. In May our team dedicated to Science to Policy Translation created a [thematic report on environmental aspects addressed in One Health EJP activities](#). The report demonstrates that although the environment is not formally a focus of the research conducted by the One Health EJP, many of our Joint Integrative, Joint Research and PhD projects do show consideration for the environment within their research focus.

During our recent Annual Scientific Meeting one session dedicated to the Environmental Aspects of One Health was co-organised with the Med-Vet-Net Association. This session included talks by experts addressing topics such as climate change, wildlife populations, biodiversity, aquaculture, and environmental waters, and was concluded by an excellent round-table discussion.

This year's One Health EJP Summer School also focussed on Environmental Issues in One Health: from risk assessment to surveillance. The Summer School involved 10 days of multi-disciplinary collaboration addressing topics such as climate change, zoonoses and antimicrobial resistance in nature environments, challenges at the environment-farm interface and sustainability. Attendees were posed with challenges throughout the course which involved problem solving, communication and translation of science to policy, with the aim of arming the future generation of One Health scientists with the tools to address real life situations.

Our PhD student Sarah Humboldt-Dachroeden, from the SUSTAIN project, also published a paper earlier this year which assesses environmental factors within the One Health approach. Read it [here](#).



One Health EJP Annual Report

This year's One Health EJP Annual Report demonstrates the quality, depth and breadth of our research projects as the Programme completed its third year.

Our [Annual Report](#) has an update from each of the Joint Research and Joint Integrative Project and the PhD projects, highlighting key outcomes and reiterating our commitment to disseminating and communicating our science research and impact.



Supporting the next generation of One Health scientists

As a Consortium our knowledge base is vast, with experts from the medical, veterinary and environmental health scientific communities. We are able to bring together these representatives to pass on their knowledge to the next generation of research scientists via our Education and Training Programme.

Continuing Professional Development

One Health EJP partner the German Federal Institute for Risk Assessment (BfR) delivered a CPD event online earlier this year. The event focussed on Digital Innovation for One Health Practitioners and was centred around using innovative open-source software tools to support One Health risk assessment, zoonotic outbreak investigation and data interoperability.

Each of the software tools shared during this event had the potential to support the entire One Health community, including national and international risk assessment agencies, risk managers and academic institutions. It is truly inspiring that this can be achieved by calling upon experts within our consortium and increases the opportunities for future One Health scientists, whether you would like to pursue a career in research or are most interested in risk assessment or epidemiology!

PhD studentship Progress

The One Health EJP is proud to support 17 PhD students as they begin their career as One Health scientists. Our unique consortium offers students support and a wide range of opportunities to further develop skills and share knowledge through our [Short Term Missions](#).

In recent months our students have shared their research at the One Health EJP (and other) scientific conferences, in the 3MT Competition and have now started publishing their findings. These are important milestones for any PhD student, but we are proud of how far our students have come despite the challenges of the COVID-19 pandemic.

The **SUSTAIN** project recent publications:

[One Health practices across key agencies in Sweden – Uncovering barriers to cooperation, communication and coordination](#)
[The state of One Health research across disciplines and sectors – a bibliometric analysis](#)

The **Codes4strains** project recent publications:

[Population genomics and antimicrobial resistance in *Corynebacterium diphtheriae*](#)



Enhancing skills

In the lead up to our Annual Scientific Meeting, as part of our Education and Training activities, a **Satellite Workshop** was hosted by our partners at the German Federal Institute for Risk Assessment (BfR).

This workshop was an online software fair which enabled attendees to come together to share innovative digital solutions and tools to support One Health approaches to epidemiology, risk assessment, disease surveillance and outbreak investigation.

The workshop brought together over 70 people from 29 countries from all pillars of One Health, demonstrating the reach the One Health EJP has beyond our consortium. Maintaining and initiating cross-border and cross-sector collaborations is essential to ensure the One Health concept is adopted and utilised in the best ways possible - it is more than just a buzz word!



ASM 3MT Competition

Our unique One Health network provides support to our PhD students across Europe. Each year our students present their work at the Annual Scientific Meeting in the three-minute thesis (3MT) competition. This enables a yearly update on the progress of the projects, and helps to continue to develop their communication and presentation skills, both increasingly important in the scientific community.

Cross-sector Collaboration

Cross-sector collaboration is a fundamental aspect when considering the One Health concept in any project, task, or at policy level.

Breaking down communication and knowledge barriers is essential between health professionals from all backgrounds, be it social science, animal, human or environmental health, risk assessment or surveillance. We all need to be able to come together to achieve a common goal: to protect global health.

This is a key focus for the One Health EJP, and we are making progress to break down barriers and encourage a more collaborative, integrative approach across Europe, and globally. Many of our Joint Research and Joint Integrative projects have created tools to support researchers and risk assessors globally, with more to come.

The [ORION](#) project, in collaboration with OHEJP [COHESIVE](#) and [NOVA](#) projects, has created a One Health Glossary. This glossary aims to improve communication and collaboration across One Health sectors by providing an easy-to-use online tool that lists One Health terms and sector-specific definitions. This tool can be used to support anyone undertaking a One Health approach and will help overcome communication barriers. Increasingly, communication is becoming an integral part of research and that is true in the One Health arena due to the number of different people who are required to come together to truly create a sustainable approach to health. [Find out more.](#)

The COHESIVE project has created a [decision support tool for One Health risk assessment](#). This tool has been designed to be used by anyone across the globe and would be of particular use to new risk assessors. It also provides One Health and sector-specific examples of these approaches for further research.

The tool aims to support risk assessors in several ways, including to facilitate more rapid risk assessments, to educate new risk assessors on the approaches available, to help prioritise a truly One Health approach to risk assessment, and also to act as a repository for examples of risk assessment. With its fifteen risk assessment approaches, accompanied by examples to demonstrate successful utilisations of each, this tool informs decision-making between risk assessment methods and teaches best practice.

Try it today, and find out more in the [most recent COHESIVE publication](#), and all the [One Health EJP publications](#).

Collaboration with One Health EJP stakeholders

Science to policy translation and connecting with national and international stakeholders is essential to ensure that our research is contributing to knowledge gaps and meeting stakeholders' needs. Two-way dialogue with our stakeholders is of paramount importance and we work hard at maintaining our networks and keeping our stakeholders informed.

In a recent edition of the [EFSA Journal](#), EFSA highlighted their collaboration with our consortium, noting the need for a One Health approach is well recognised by different European and international organisations.



Image: Pxhere

Looking Forward...

OCTOBER
8th
online

[OHEJP Workshop](#)
Integrated approaches to zoonoses: a systems thinking primer

OCTOBER
27th
10.00-13.00
CET

[OHEJP Dissemination Workshops](#)
Theme: Metagenomics. First in a series through 2021/2022

JUNE 2022
21-24th
Brussels & online

[EFSA One Conference 2022](#)

Visit our [website](#) for full details.
Prepared by the OHEJP Communications Team, University of Surrey