Advancing science to improve health and security
What we promise

- Bring together 1,500 professionals and One Health advocates, including experts in the fields of food safety, animal health, human health, environmental health, policy making and global health security

- Foster the exchange of new scientific insights and policy developments regarding all aspects of One Health

- Advance science and improve health security by disseminating the congress outcomes, ensuring a long-term impact on society

- Support the careers of promising researchers from resource-challenged countries through the One Health Fellowship Fund
THE 6TH WORLD ONE HEALTH CONGRESS AT A GLANCE

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One Health Science Programme

2 PARALLEL PROGRAMME TRACKS

Global disease events, like the outbreaks of Ebola and Nipah virus, have underpinned the increasing impact of zoonotic diseases on human and animal health. It has also become clear that changes in the environment, like population growth and climate change, impact heavily on animal and human health. The 6th WOHC will evaluate the most imminent potential hazards from various perspectives. Urgent issues like food safety, water security and integrity of the environment will be high on the Congress agenda.

TOPICS

- Determinants of inter-species infectious agent transmissibility
- Determinants of intra-species infectious agent transmissibility
- Climate change
- Syndromic surveillance of infectious diseases in humans and animals
- Pathogen discovery / identification platforms
- Epidemiology and clinical impact of newly emerging infections / Identification of Especially Dangerous Pathogens (EDP)
- Pathogenesis of newly emerging infections in original and new hosts / Sustainable biosafety and biosecurity for EDP
- Mathematical modelling and scenario evaluation for emerging infections
- Intervention strategies in old and new species (rapid development of diagnostics, vaccines and drugs)
- Advances in vaccine technologies
- Advances in antiviral / microbial technologies
- Biological threat (natural, accidental, deliberate) reduction / Utilization of big data to mitigate biological threats
- Cost-effectiveness of One Health intervention programmes

KEYWORDS:

- surveillance and early detection
- biological threat reduction
- epidemiology of newly emerging infections
- especially dangerous pathogens
- drivers for emerging diseases
- advances in vaccine technologies
- scenario evaluation for risk assessment and disease impact
- ecohealth
- pathogen discovery
- cultural determinants of One Health
- diagnostics
- intervention strategies
- food safety
- cost-effectiveness of One Health approaches
Antimicrobial Resistance Programme

2 PARALLEL PROGRAMME TRACKS
Antimicrobial resistance had emerged as a health issue in the last decades, but only in the last couple of years has there been an understanding that we are facing a post-antibiotic era, in which common infections and minor injuries, which have been treatable for decades, can once again kill.

Misuse and overuse of antibiotics in both humans and agriculture are the basis of the emergence of AMR. Whilst raising awareness of AMR is an important issue, new antibiotics need to be developed. World experts will elaborate on the use of antibiotics and the surge of AMR in food animals and humans, and scan the horizon for new antibiotics and antivirals in a true One Health spirit.

TOPICS
Use of antibiotics in human and animals, in food and agriculture and the link to AMR and environmental impact
Genomic epidemiology
Real life application of whole genome sequencing
Prevalence and surveillance of resistance
Novel strategies for AMR interventions/preparedness
Alternative approaches to tackling resistant infections
AMR from a global health security perspective
Challenges in drug development
Challenges in sharing big data
Role of vaccines in AMR strategies and vaccine acceptance
New economic models
Risk assessment
Impact of AMR on global trade
Impact of AMR on food safety

KEYWORDS:
# use of antibiotics in human and animals, in food and agriculture
# AMR from a global health security perspective
# impact of AMR on food safety and global trade
# genomic epidemiology
# real life applications of whole genome sequencing
# prevalence and surveillance of resistance
# novel strategies and alternative approaches to tackle resistance
# role of vaccines in AMR strategies and vaccine acceptance
# challenges in drug development
Science Policy Interface

1 PARALLEL PROGRAMME TRACK
The Science Policy Interface reflects our strong belief in the need for a dialogue between the scientific and policy-making communities. Interaction and exchange are necessary to ensure the effective role of science in public policy making and to enhance the accessibility of scientific knowledge for policy makers. In the SPI track, scientists share their knowledge and translate that knowledge towards policy makers. At the same time, policy makers can inform scientists about what is needed to make adequate global health security policy.

TOPICS
One Health crises
Infectious Health Emergencies: preparedness and management
Resistance to antibiotics and antivirals: challenges for policy makers and scientists
Operationalizing One Health
Inter-sectoral collaborations at global level as a key to prevention, preparedness and response strategies
Strengthening One Health Science and the Global Health Security Interface: global perspectives on health and security
Strengthening regional, national and international surveillance systems
Biological Threat Reduction in practice: strengthening global biological security through collaborations and a better understanding of zoonotic origins
How can public and private sectors take action and address global health security?
Civil society participation / risk communications
Community-driven development (CDD) projects and One Health
Vaccination and antiviral / antimicrobial strategies in biological threat reduction
Establishment of long-term research collaborations, including low-resource environments: challenges
Initiatives to identify unknown viruses on a global scale
Bio threat scanning: agents of potential misuse
The global importance of pandemics for economic development
The economic benefits of a One Health approach / Economics of One Health
Multisectoral approaches with the aim to build and strengthen sustainable capacities in the One Health arena

KEYWORDS:
# lessons learned from One Health crises
# preparedness for health emergencies
# strengthening epidemiological surveillance systems
# disaster risk reduction in practice
# making One Health operational
# role of vaccines in biological threat reduction
# resistance to antibiotics and antivirals
# civil society participation
# scanning zoonotic diseases that could be misused
# economics of One Health
# community-driven development projects and One Health
**CONGRESS SCHEDULE**

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<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
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<tr>
<td><strong>Sunday 14 June 2020</strong></td>
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<td>Registration day</td>
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<td>SIDE MEETINGS</td>
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<td><strong>Monday 15 June 2020</strong></td>
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<td>13:15 - 14:45</td>
<td><strong>SPS</strong> SPECIAL PLENARY SESSION</td>
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<td>15:00 - 16:30</td>
<td><strong>SPS</strong> SPECIAL PLENARY SESSION</td>
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<td><strong>SPS</strong> SPECIAL PLENARY SESSION</td>
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<td>18:30 - 20:00</td>
<td>OPENING CEREMONY</td>
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<td>20:00 - 22:00</td>
<td>Welcome reception</td>
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<td><strong>Tuesday 16 June 2020</strong></td>
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<td>7:30 - 9:00</td>
<td><strong>SPS</strong> SPECIAL PLENARY SESSION</td>
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<td>9:15 - 10:15</td>
<td>KEYNOTE LECTURES</td>
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<td>10:15 - 10:45</td>
<td>Coffee break</td>
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<td>10:45 - 12:30</td>
<td>PARALLEL SESSIONS</td>
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<td><strong>SPS</strong> SPECIAL PLENARY SESSION</td>
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<td>20:00 - 23:00</td>
<td>Networking Congress Dinner</td>
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<td><strong>Wednesday 17 June 2020</strong></td>
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<td><strong>SPS</strong> SPECIAL PLENARY SESSION</td>
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<td>12:15 - 13:45</td>
<td>Late Breakers And Closing Ceremony</td>
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<td><strong>Thursday 18 June 2020</strong></td>
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<tr>
<td>9:00 - 10:00</td>
<td>KEYNOTE LECTURES - YOUNG ONE HEALTH session</td>
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<td>Coffee break</td>
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The World One Health Congress actively encourages the careers of promising researchers. The One Health Platform therefore established a One Health Fellowship Fund to provide fellowships to young scientists, with special attention for promising scientists from resource-challenged countries. Intercontinental partnerships with One Health leaders in Africa and Asia, combined with the involvement of underserved communities and international associations like WHO, FAO, World Veterinary Association, World Medical Association, EcoHealth Alliance and CDC, will guarantee capacity building at the meeting and far beyond. In this way, the World One Health Congress will provide young One Health advocates with a unique opportunity to interact with world experts, gain further insights into their fields of interest and get inspired with new ideas and possibilities.

**Fellowship fund**

**Side Meetings**

- The Sixth World One Health Congress will kick off even before it formally starts on 15 June, with a series of side events planned by different One Health organizations on 14 June. These meetings offer excellent opportunities to engage scientists with global health security policy makers in order to discuss cooperative threat reduction.

**University Lounge**

Through the University Lounge, universities and other educational institutions can showcase their dedication to One Health, engage with other leading universities and share information on courses, post-doc positions and consortia. The University Lounge is a separate exhibition, centrally located on the Congress floor, and is open to universities from all over the globe.
About the location

Host city Edinburgh
Edinburgh, Scotland’s capital city, seamlessly blends old and new and provides delegates with a very accessible destination.

From the historic Royal Mile, Edinburgh Castle and Palace of Holyroodhouse (the Queen’s official residence in Scotland) to the bustling Festivals, city attractions, boutique shops and restaurants located throughout the city and beyond. Edinburgh truly has something to offer even the most discerning of visitors.

The city is renowned for inspiration and innovation. For centuries it has nurtured some of the greatest minds in medicine, philosophy, economics, finance, literature, law, engineering and architecture. No matter where the delegates come from, Edinburgh is easily accessible. The international airport, Scotland’s busiest, serves over 120 destinations worldwide. Rail links run all over the UK, with more than 20 daily trains running between Edinburgh and London taking just over four hours. Edinburgh is also easily accessed by car from Scotland’s motorway network.

www.edinburgh.org

Host country Scotland
Scotland (Scots Gaelic: Alba) is a nation in north-western Europe, the second-largest of the constituent nations of the United Kingdom. It has a sixty mile (96km) land border with England to the south, and is separated from Northern Ireland by the North Channel of the Irish Sea. The capital is Edinburgh and the largest city is Glasgow.

Scotland is surrounded by the bracing waters of the North Sea to the east, and the North Atlantic Ocean to the west and north. There are over 700 islands, mostly in groups to the west (the Inner Hebrides and Outer Hebrides) and north (Orkney Islands and Shetland Islands).

Scotland is a beautiful country well known for its dramatic scenery of mountains and valleys, rolling hills, green fields and forests, and rugged coastline. While everyone knows the Highlands for this, Scotland is beautiful in the Lowlands, islands and the flat lands of the North-East as well.

www.visitscotland.com

WOHC 2020 The venue
Located in the heart of Scotland’s beautiful and vibrant capital city, the Edinburgh International Conference Centre (EICC) is a magnificent multi-purpose venue. It is situated at the west end of the city from where the majority of attractions, hotels and venues can be reached on foot in under 15 minutes. The impressive purpose-built facilities include a series of adaptable auditoria, spacious reception areas and flexible suites, all including very high standard technology.

www.eicc.co.uk
The One Health Platform is a One Health Scientific Reference Network that aims to enhance understanding of and preparedness for current and future outbreaks of zoonoses, emerging and re-emerging infectious diseases in humans and animals and antimicrobial resistance. This includes the ecological and environmental factors which drive and impact on these diseases. As a Scientific Reference Network, the Platform unites some of the best One Health science researchers and global experts in its Scientific Advisory Board.

In order to serve the community, the One Health Platform has built strategic alliances with industry through its Industry Advisory Board and its partners through the One Health Coalition. Ties with governments are being secured by the establishment of a Governments Group. They form an informal think tank to safeguard a true exchange of ideas, needs and information bridging science and policy. The Governments Group consists of government officials responsible for public health, animal health, environmental health, food safety and global health security. As such the Platform is a Strategic Forum of Stakeholders, with the aim of constructing connections across One Health Science and One Health Policy - safeguarding Global Health Security.

www.onehealthplatform.com

Annual World One Health Day Campaign
Celebrated annually on 3 November
www.onehealthday.com
The African Centre of Excellence for Infectious Diseases of Humans and Animals in Eastern and Southern Africa has the aim to harness innovation in science and technology in order to improve sub-Saharan Africa’s capacity to detect, identify and monitor infectious diseases of humans and animals and their interactions in order to better manage the risk posed by them.

www.sacids.org

The University has world-leading expertise in Animal and Human Health, Agri-food and Environmental sciences; Earth Observation, Carbon Management and Geosciences – all central to the study of One Health.

Alongside applied research feeding into the suite of online bespoke educational programmes specifically designed for Low and Middle income country students the Academies support a number of communities of practice throughout the world through partnerships between a huge alumni network, current students, businesses, NGOs and national Government and Education partners. The Global Health Academy is made up of a wide network of experts from within the University of Edinburgh, throughout the UK and across the world and has One Health as its core focus (https://www.ed.ac.uk/global-health/research/project-profiles/one-health). Within the Academy research into threats and pathways of specific diseases and states and stages of health, is complemented by a focus on health system strengthening and an emphasis on wellness and whole health.

The One Health agenda is reflected in their academic structure, which places Human and Animal Health together within their College of Medicine and Veterinary Medicine. This encourages comparative and interdisciplinary research and education at all levels, and includes their innovative postgraduate programmes in One Health, Global Health and Infectious Diseases, Global Challenges, Global eHealth, International Animal Health, Conservation Medicine and Science Communication and Public Engagement. EID - (Edinburgh Infectious Diseases http://www.eid.ed.ac.uk) - brings together over 170 Principal Investigators and over 860 active researchers across the spectrum of infectious disease science and clinical medicine at Edinburgh, including a key focus on antimicrobial resistance.

As a global facing University they have vibrant One Health and global health partnerships nationally and internationally, including the University of Sydney, UC Davis, ILRI (International Livestock Research Institute), IITA (International Institute of Tropical Agriculture), CIMMYT (International Maize and Wheat Improvement Center) and the University of Rwanda with a strong emphasis for ensuring that, together, they work to improve health and livelihoods in LMIC countries, focusing at the moment across sub-Saharan Africa.

The University is running a new biomedical science programme with Zhejiang University in China and has established links with Hokkaido University in Japan and Kerala Veterinary and Animal Sciences University in India.

www.ed.ac.uk
Important date: 4 June 2019
- Opening congress registrations
- Start online abstract submission process
- Fellowship Programme open for applications

For more information about the 6th World One Health Congress, contact

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Regular news and updates:
www.worldonehealthcongress.com

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