



# ESCAIDE 16-19 November 2021

## PROGRAMME

European Scientific Conference  
on Applied Infectious Disease Epidemiology

16 November 2021 • 17 November 2021 • 18 November 2021 • 19 November 2021

### DAY 1 - 16 November 2021

09:30-09:40	Welcome to ESCAIDE 2021	
09:40-09:50	Message from ECDC Director, Andrea Ammon	
09:50-10:00	Message from ESCAIDE Scientific Committee Chair, Mike Catchpole	
10:00-11:30	Plenary A: <b>Communicating science and scientific uncertainty during an evolving pandemic</b>  <i>Chaired by the ESCAIDE Scientific Committee members Mike Catchpole (ECDC) and Susan Hahné (RIVM, Netherlands)</i>  Keynote speaker: Peter Piot (European Commission) Expert panel: Marta Hugas (European Food Safety Authority), Mirjam Jenny (Harding Center for Risk Literacy, Germany), Vera Novais (Observador, Portugal)	
11.30-12.00	Poster tour 1: <b>COVID-19: Field epidemiology</b>	Poster tour 2: <b>COVID-19: Implementation science</b>
12.00-13.00	Lunch break	Side-session: <b>MediPIET in focus: The past and the future of a regional field epidemiology programme in the EU neighbourhood</b>  <i>Moderated by Carmen Varela Santos (ECDC) and Anne-Sophie Lequarre (European Commission)</i>  Speakers: Maria Yousef AL-Aqra (MoH, Palestine <sup>1</sup> ), Vladimir Mikic (MediPIET Alumnus Cohort 1, Republic of North Macedonia), Ihor Kuzin (MoU, Ukraine)
13.00-13.30	Poster tour 3: <b>COVID-19: surveillance</b>	Poster tour 4: <b>Food and waterborne diseases:</b>
	Fireside session 1 moderated by Ricardo Mexia <b>Knowledge for policy and practice</b>	Fireside session 2 moderated by Jan Walter <b>COVID-19: Field Epidemiology</b>
13.30-14.15	<i>Abstract presentations viewing</i>	<i>Abstract presentations viewing</i>
14.15-15.00	<i>Live Q&amp;A panel</i>	<i>Live Q&amp;A panel</i>
	Fireside session 3 moderated by Isabel Noguera <b>COVID-19: Surveillance</b>	Fireside session 4 moderated by Johanna Takkinen <b>Food and waterborne diseases and zoonoses: outbreaks</b>
15.15-16.00	<i>Abstract presentations viewing</i>	<i>Abstract presentations viewing</i>
16.00-16.45	<i>Live Q&amp;A panel</i>	<i>Live Q&amp;A panel</i>
17.00-17.30	Poster tour 5: <b>Respiratory viruses: surveillance</b>	Poster tour 6: <b>Emerging and vector-borne diseases</b>
17.45-18.00	Wrap-up session	
18.00-19.30	Side-session: <b>Career compass</b> Panel: Chikwe Ihekweazu, Marion Koopmans, Mike Ryan, more	

<sup>1</sup> This designation shall not be construed as recognition of a State of Palestine and is without prejudice to the individual positions of the Member States on this issue.



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## DAY 2 - 17 November 2021

09:30-10:00	Opening – conference highlights	
10:00-11:30	Plenary B: <b>Modelling epidemics in real time: coming of age?</b>  <i>Chaired by the ESCAIDE Scientific Committee members Bruno Coignard (Santé publique France), Magdalena Rosińska (NIPH-NIH, Poland) and Adam Roth (ECDC)</i>  Speakers: Vittoria Colizza (INSERM and Sorbonne Université, France), Jacco Wallinga (RIVM, Netherlands) and Niel Hens (Hasselt University and University of Antwerp, Belgium)	
11.30-12.00	Poster tour 7: <b>Food and waterborne diseases: outbreaks</b>	Poster tour 8: <b>COVID-19: Field epidemiology</b>
12.00-13.00	Lunch break	Side-session: <b>Using social science methods to support the prevention and control of infectious diseases in Europe: results from the SONAR-Global project</b>  Speakers: John Paget (Nivel, Netherlands), John Kinsman (ECDC), Anna-Maria Volkmann (UCL, UK), David Napier (UCL, UK), Ruth Kutalek (Medical University of Vienna, Austria)
13.00-13.30	Poster tour 9: <b>COVID-19: Burden of disease</b>	Poster tour 10: <b>Implementation science</b>
	Fireside panel 5 moderated by Nienke Schutte <b>COVID-19: Digital health</b>	Fireside panel 6 moderated by Marlena Kaczmarek <b>Surveillance: implementation and evaluation</b>
13.30-14.15	Abstract presentations viewing	Abstract presentations viewing
14.15-15.00	Live Q&A panel	Live Q&A panel
15:00-15:30	Poster tour 11 <b>Food and waterborne diseases and zoonoses</b>	Poster tour 12 <b>COVID-19: Knowledge for policy and practice</b>
16:00-17:30	Plenary C: <b>Digital health opportunities for Public Health: how far from reality?</b>  <i>Chaired by the ESCAIDE Scientific Committee members Vicky Lefevre (ECDC), Petronille Bogaert (Sciensano, Belgium)</i>  Speakers: Ran Balicer (Clalit Research Institute, Israel), Gun Peggy Knudsen (Norwegian Institute of Public Health), Dipak Kalra (European Institute for Innovation through Health Data (i~HD)), Stefan Buttigieg (Digital Health Malta)	
17:30-18:30	Side-session: <b>Collecting NPIs in response to a large-scale pandemic: lessons learned and future outlooks</b>  <i>Moderated by Thomas Hofmann (ECDC)</i>  Speakers: Alessandro Annunziato (EC), Chris Grundy (LSHTM), Tommi Karki (ECDC), Jan Kulveit (Oxford University), Claudia Manili (ACAPS), Tanja Schmidt (WHO), Helen Tatlow (Oxford University)	
18.30-18.45	Wrap-up session	
18.30-20.00	Side-session: <b>EAN General Assembly</b> (closed event)	



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## DAY 3 - 18 November 2021

09:30-10:00	Opening – conference highlights	
10:00-11:30	European Antibiotic Awareness Day 2021 event  <b>In times of COVID-19, don't forget about antimicrobial resistance. Stay united to preserve antimicrobials.</b>  <i>Opening: Sandra Gallina (DG SANTE), Andrea Ammon (ECDC)</i>  <i>Speakers: Dominique Monnet (ECDC), Ute Soenksen (WHO/Europe), Barbara Freischem (European Medicines Agency), Ernesto Liebana Criado (European Food Safety Authority)</i>	
11.30-12.00	Poster tour 13: <b>Antimicrobial resistance</b>	Poster tour 14: <b>COVID-19: surveillance</b>
12.00-13.00	Lunch break	
13.00-13.30	Poster tour 15: <b>COVID-19: vaccines</b>	Poster tour 16: <b>Healthcare-associated infections</b>
	Fireside session 7 moderated by Piotr Kramaz <b>Burden of disease</b>	
13.30-14.15	Abstract presentations viewing	
14.15-15.00	Live Q&A panel	
	Fireside session 8 moderated by Ajibola Omokanye <b>Secondary public health impacts</b>	Fireside session 9 moderated by Marion Muehlen <b>Late breakers</b>
15.15-16.00	Abstract presentations viewing	Abstract presentations viewing
16.00-16.45	Live Q&A panel	Live Q&A panel
17:00-18:30	Plenary D: <b>The inequality pandemic</b>  <i>Chaired by the ESCAIDE Scientific Committee members Stine Nielsen (EPIET Alumni Network), Mircea Ioan Popa (Carol Davila University of Medicine and Pharmacy, Romania), Frode Forland (Norwegian Institute of Public Health)</i>  <i>Speakers: Ellen t'Hoen (Medicines Law &amp; Policy, Netherlands), Kevin Fenton (UK Health Security Agency) and Rossalina Latcheva (FRA, European Union Agency for Fundamental Rights)</i>	
18.30-18.45	Wrap-up session	
19.00-20.30	Side-session: <b>BarCamp &amp; EAN Drinks</b>	



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## DAY 4 - 19 November 2021

09:30-10:00	Opening – conference highlights	
10:00-11:30	Eurosurveillance Seminar  <b>Epidemiology and immunology – from observation to explanation and public health action</b>  <i>Moderated by Daniel Lévy-Bruhl (Santé publique France)</i>  Speakers: Andrea Ammon (ECDC Director), Danuta Skowronski (British Columbia Centre for Disease Control, Canada), Rory de Vries (Erasmus Medical Center, Netherlands) and Jean-Daniel Lelièvre (Henri Mondor University Hospital, Créteil, France)	
11:30-12:00	Poster tour 17: <b>Late breakers</b>	Poster tour 18: <b>HIV, sexually transmitted infections and viral hepatitis</b>
12:00-13:00	Lunch break	
13:00-13:30	Poster tour 19: <b>Vaccine preventable diseases: surveillance</b>	Poster tour 20: <b>Preparedness</b>
	Fireside session 10 moderated by Hanna Nohynek <b>COVID-19: Vaccines</b>	Fireside session 11 moderated by Alma Tostmann <b>Late breakers</b>
13:30-14:15	Abstract presentations viewing	Abstract presentations viewing
14:15-15:00	Live Q&A panel	Live Q&A panel
15:00-15:30	Poster tour 21: <b>COVID-19: surveillance</b>	Poster tour 22: <b>COVID-19: vaccines</b>
15:45-16:15	<b>Closing Ceremony with a message from ECDC Director, Andrea Ammon</b>	
16:30-17:30	<b>ECDC Fellowship Programme Graduation</b> (closed event)	



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## FIRESIDE SESSIONS PROGRAMME

### DAY 1 - 16 November 2021

<p><b>13.30-14.15</b></p>	<p>Fireside session 1 moderated by Ricardo Mexia <u><a href="#">Knowledge for policy and practice</a></u></p> <p><i>Abstract presentations viewing:</i></p> <ul style="list-style-type: none"> <li>a. Development of an Action Framework to mitigate vulnerabilities related to COVID-19 – the SONAR-Global VACE Study, <i>Jacob Osborne</i></li> <li>b. COVID-19 vaccination prioritization: factors associated with mortality among COVID-19 cases in Sweden in 2020, <i>Marie Jansson Mörk</i></li> <li>c. Impact of a pneumococcal polysaccharide vaccination program on invasive pneumococcal disease in elderly in the Netherlands, <i>Annabel Niessen</i></li> <li>d. Pertussis epidemiology and indirect impact of the childhood pertussis booster vaccinations, Norway, 1998-2019, <i>Elina Seppälä</i></li> <li>e. Improving understanding of HIV key populations through national surveillance in Ireland, 2019, <i>Melissa Brady</i></li> </ul> <p><b>14.15-15.00</b></p> <p><i>Live Q&amp;A Panel</i></p>	<p>Fireside session 2 moderated by Jan Walter <u><a href="#">COVID-19: Field Epidemiology</a></u></p> <p><i>Abstract presentations viewing:</i></p> <ul style="list-style-type: none"> <li>a. Risk factors for SARS-CoV-2 antibody positivity in healthcare workers, a multicentre cross-sectional study of participants within SIREN, June – November 2020, <i>Sarah Foulkes</i></li> <li>b. Two choir outbreaks in March 2020 demonstrate the importance and determinants of aerosol-mediated long-range transmission of SARS-CoV-2, Berlin, <i>Felix Reichert</i></li> <li>c. Do antibody positive healthcare workers have lower SARS-CoV-2 infection rates than antibody negative healthcare workers in England: June 2020 to January 2021, <i>Sarah Foulkes</i></li> <li>d. Factors associated with an outbreak of COVID-19 in oilfield workers, Kazakhstan, June-September 2020, <i>Ryszhana Taubayeva</i></li> <li>e. [late breaker] Phylogeny-assisted estimation of secondary attack rate in a large regional COVID-19-Delta cluster in the South of Germany at the beginning of Delta-transmission, May/June 2021, <i>Yulia Zimnitskaya</i></li> </ul> <p><i>Live Q&amp;A Panel</i></p>
<p><b>15.15-16.00</b></p>	<p>Fireside session 3 moderated by Isabel Noguer <u><a href="#">COVID-19: Surveillance</a></u></p> <p><i>Abstract presentations viewing:</i></p> <ul style="list-style-type: none"> <li>a. The World Health Organization's global detection, assessment and monitoring of emerging SARS-CoV-2 variants of concern (VOCs), <i>Raquel Medialdea Carrera</i></li> <li>b. Wastewater-based surveillance of SARS-CoV-2 to monitor the COVID-19 epidemic in Limassol, Cyprus, <i>Annalisa Quattrocchi</i></li> <li>c. Estimation of the serial interval of COVID-19 for two different time periods using contact data collected by the Irish Contact Management Programme, <i>Ciara Carroll</i></li> <li>d. Epidemiology of COVID-19 in children and adolescents in the EU/EEA, <i>Aikaterini Mougkou</i></li> <li>e. [late breaker] COVID-19 outbreaks in long-term care facilities for older people, Ireland March 2020-August 2021; reduction in outbreak severity following vaccine rollout, <i>Patricia Garvey</i></li> </ul> <p><b>16.00-16.45</b></p> <p><i>Live Q&amp;A Panel</i></p>	<p>Fireside session 4 moderated by Johanna Takkinen <u><a href="#">Food and waterborne diseases and zoonoses: outbreaks</a></u></p> <p><i>Abstract presentations viewing:</i></p> <ul style="list-style-type: none"> <li>a. Incubation period, spore shedding duration, and symptoms of <i>Enterocytozoon bieneusi</i> infection in a foodborne outbreak in Denmark, 2020, <i>Daniela Michlmayr</i></li> <li>b. Swimming associated paediatric hemolytic-uraemic syndrome outbreak due to Shiga toxin-producing <i>Escherichia coli</i> O26:H11, <i>Garance Terpent</i></li> <li>c. Tap water as a source of legionellosis outbreak spread to several residential buildings and one hospital, <i>Silja Mentula</i></li> <li>d. <i>Salmonella</i> Typhimurium outbreak associated with frozen tomato cubes in Western Finland, January-February 2021, <i>Sohvi Kääriäinen</i></li> <li>e. Sharp increase in Legionnaires' disease cases in EU/EEA in 2017 continues under 2018-2019, <i>Joana Gomes Dias</i></li> </ul> <p><i>Live Q&amp;A Panel</i></p>



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### DAY 2 - 17 November 2021

<p><b>13.30-14.15</b></p>	<p>Fireside session 5 moderated by Nienke Schutte <b><u>COVID-19: Digital health</u></b></p> <p><i>Abstract presentations viewing:</i></p> <ul style="list-style-type: none"> <li>a. Using genomic concordance to estimate COVID-19 transmission risk across different settings in England 2020/21, <i>Cong Chen</i></li> <li>b. Design and implementation of a tool for the identification of shared exposures from COVID-19 cases, a national system implemented in England 2020/21, <i>Simon Packer</i></li> <li>c. Novel method for identification of COVID-19 outbreaks in residential property in England, <i>Dimple Chudasama</i></li> <li>d. Estimating asymptomatic and presymptomatic transmission of 2019 novel coronavirus (COVID-19) infection: a cohort study in Ho Chi Minh City, Vietnam, <i>Cristina Valencia</i></li> </ul> <p><b>14.15-15.00</b></p> <p><i>Live Q&amp;A Panel</i></p>	<p>Fireside session 6 moderated by Marlena Kaczmarek <b><u>Surveillance: implementation and evaluation</u></b></p> <p><i>Abstract presentations viewing:</i></p> <ul style="list-style-type: none"> <li>a. Evaluating the propensity to test for SARS-CoV-2 infection and the risk of a positive result using national-level COVID-19 web-based syndromic surveillance, <i>Scott McDonald</i></li> <li>b. The benefits of large-scale community-based SARS-CoV-2 testing in low-income neighbourhoods in Rotterdam, the Netherlands, <i>Martijn Vink</i></li> <li>c. Identification of subgroups in the Danish population for targeted human papillomavirus vaccination efforts, <i>Sidsel Skou Voss</i></li> <li>d. Evaluation of WGS-based methods for molecular surveillance of <i>Mycobacterium tuberculosis</i> complex isolates in Ireland, 1999-2019, <i>Diana Espadinha</i></li> <li>e. Development of an NGS-based typing method for surveillance of rotaviruses circulating in Sweden, <i>Hubert Buczkowski</i></li> </ul> <p><i>Live Q&amp;A Panel</i></p>
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## DAY 3 - 18 November 2021

<p>13.30-14.15</p>	<p>Fireside session 7 moderated by Piotr Kramaz</p> <p><b><u>Burden of disease</u></b></p> <p><i>Abstract presentations viewing:</i></p> <ul style="list-style-type: none"> <li>a. Incidence of first syphilis infection in the Lisbon Cohort of Men who have Sex with Men (MSM), <i>Sofia Ribeiro</i></li> <li>b. Prevalence estimates of genital Chlamydia trachomatis infection in Belgium – results from a cross-sectional study, <i>Natalie Fischer</i></li> <li>c. Risk of hospitalisation and risk of death for healthcare workers with COVID-19 in nine EU/EEA countries, January 2020–January 2021, <i>Carlos Carvalho</i></li> <li>d. Sex differences in COVID-19 mortality in the Netherlands, <i>Annabel Niessen</i></li> <li>e. Characterisation of scarlet fever's presentation and management in the modern era: a cross-sectional survey of cases in London, 2018-2019, <i>Trent Herdman</i></li> </ul> <p>14.15-15.00 <i>Live Q&amp;A Panel</i></p>	
<p>15.15-16.00</p> <p>16.00-16.45</p>	<p>Fireside session 8 moderated by Ajibola Omokanye</p> <p><b><u>Secondary public health impacts</u></b></p> <p><i>Abstract presentations viewing:</i></p> <ul style="list-style-type: none"> <li>a. Measles vaccine mandates may have detrimental effects on uptake of other vaccines, <i>Julia Neufeind</i></li> <li>b. The impact of the COVID-19 pandemic on gastrointestinal infection trends in England, <i>Nicola Love</i></li> <li>c. The impact of the COVID-19 pandemic on STI surveillance data: incidence drop or artefact?, <i>Alexis Sentís</i></li> <li>d. Core competencies for applied infectious disease epidemiologists in Europe, <i>Amelie Plymoth</i></li> </ul> <p><i>Live Q&amp;A Panel</i></p>	<p>Fireside session 9 moderated by Marion Muehlen</p> <p><b><u>Late breakers</u></b></p> <p><i>Abstract presentations viewing:</i></p> <ul style="list-style-type: none"> <li>a. Effectiveness of homologous and mixed vaccine series against Covid-19 in 16-69-year-olds in Finland: A register-based cohort study, <i>Eero Poukka</i></li> <li>b. 2021 COVID-19 vaccine effectiveness against hospitalisation due to laboratory-confirmed SARS-CoV-2 infection in older adults: pooled results from eight European countries, <i>Angie Rose</i></li> <li>c. Effectiveness of Comirnaty COVID-19 vaccine against SARS-CoV-2 Delta variant among elderly residents from a long-term care facility, south of France, May 2021, <i>Miguel Angel Sanchez Ruiz</i></li> <li>d. Vaccine acceptance for vaccination against covid-19 over time in Sweden 2021, <i>Sarah Earnshaw Blomquist and Emma Appelqvist</i></li> <li>e. COVID-19 Vaccine Breakthrough infections in fully vaccinated people: characteristics of cases notified in Castilla y Leon, Spain, <i>Isabel Martinez-Pino</i></li> </ul> <p><i>Live Q&amp;A Panel</i></p>



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## DAY 4 - 19 November 2021

<p><b>13.30-14.15</b></p>	<p>Fireside session 10 moderated by Hanna Nohynek</p> <p><b><u>COVID-19: Vaccines</u></b></p> <p><i>Abstract presentations viewing</i></p> <ul style="list-style-type: none"> <li>a. Protection from severe outcomes after vaccination with one dose of mRNA vaccine BNT162b2: A COVID-19 outbreak investigation in a nursing home in Kiel, Germany, December 2020 to January 2021, <i>Mirco Sandfort</i></li> <li>b. COVID-19 vaccine coverage in healthcare workers in England and effectiveness of BNT162b2 mRNA vaccine against infection, multicentre prospective cohort study (the SIREN study), <i>Victoria Hall</i></li> <li>c. Previous SARS-CoV-2 infection as a priming dose for Pfizer vaccinations - Antibody response by sex, time since infection and symptoms in Italian health care workers, <i>Tobias Homan</i></li> <li>d. COVID-19 vaccination in the Netherlands: Effectiveness and impact in elderly, <i>Marjolein Kooijman</i></li> <li>e. COVID-19 vaccine in Finnish elderly and chronically ill: A register based cohort study, <i>Eero Poukka</i></li> </ul>	<p>Fireside session 11 moderated by Alma Tostmann</p> <p><b><u>Late breakers</u></b></p> <p><i>Abstract presentations viewing</i></p> <ul style="list-style-type: none"> <li>a. Multi-country collaboration on the investigation of a Salmonella Braenderup outbreak in the EU/EEA and United Kingdom 2021, <i>Hannah L Moore</i></li> <li>b. National Hepatitis A Outbreak in England and Wales Linked to Medjool Dates With Potential Ongoing International Risk, <i>David Leeman</i></li> <li>c. In(tra)-Action Review (IAR): COVID-19 Management at IHR-designated Airports in Germany from September 2020 until May 2021, <i>Meike Schöll</i></li> <li>d. Increased Household Transmission of COVID-19 Cases Associated with SARS-CoV-2 Delta Variant (B.1.617.2): national case-control study, <i>Amoolya Vusirikala and Hester Allen</i></li> <li>e. An outbreak of multi-drug resistant <i>Pseudomonas aeruginosa</i> in a UK haematology unit: a matched case-control study demonstrating increased risk associated with quinolone use, <i>Wendy Rice</i></li> </ul>
<p><b>14.15-15.00</b></p>	<p><i>Live Q&amp;A Panel</i></p>	<p><i>Live Q&amp;A Panel</i></p>





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## POSTER TOURS PROGRAMME

### DAY 1 - 16 November 2021

<b>11.30-12.00</b>	<p>Poster tour 1 moderated by Katharina Alpers <b><u>COVID-19: Field epidemiology</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Coronavirus-19: Evaluation of symptomatology and cycle threshold values among residents and healthcare staff in long-term care facilities in the Netherlands, February 2020 - June 2020, <i>Mitch Van Hensbergen</i></li> <li>b. Impact of cross-border-associated cases on the severe acute respiratory syndrome coronavirus-2 epidemic in Switzerland from June to September 2020, <i>Martina L. Reichmuth</i></li> <li>c. Using real time PCR reflex assays to detect evidence for Variants of Concern (VOCs) in an outbreak of COVID-19 in a closed setting in Wales, UK, <i>Clare Sawyer</i></li> <li>d. SARS-CoV-2 risk factors among adults attending Municipal Health testing locations in the Netherlands, February to April 2021, <i>Anita Shah</i></li> <li>e. Control of a nosocomial VOC B.1.1.7 outbreak with high secondary attack rates among household contacts in Berlin, Germany, January - February 2021, <i>Felix Reichert</i></li> </ul>	<p>Poster tour 2 moderated by Pawel Stefanoff <b><u>COVID-19: Implementation science</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Low positive predictive value of SARS-CoV-2 rapid antigen tests in screenings of specific settings in Northern Region of Portugal, <i>Diogo Queiroz Almeida</i></li> <li>b. SARS CoV-2 PCR-testing in school-aged children in the first semester of school year 2020/2021 in Croatia. - An analysis based on the Croatian laboratory COVID-19 database, <i>Nika Lazic</i></li> <li>c. SARS-CoV-2 incidence and its determinants in six ethnic groups of Amsterdam, the Netherlands: a population-based longitudinal study, <i>Liza Coyer</i></li> <li>d. Self-assessment of SARS-CoV-2 infection in six ethnic groups during the first wave of the COVID-19 epidemic in Amsterdam, the Netherlands, <i>Liza Coyer</i></li> </ul>
<b>13.00-13.30</b>	<p>Poster tour 3 moderated by Tanja Charles <b><u>COVID-19: surveillance</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Low occurrence of secondary COVID-19 cases following exposure to SARS-CoV-2 at primary schools and early childhood education and care facilities between August 2020 and March 2021 in Finland, <i>Dafni Katerina Paspaliari</i></li> <li>b. Excess mortality during the first year of the COVID-19 epidemic in Slovenia, week 10/2020-week 10/202, <i>Petra Klepac</i></li> <li>c. Increased risk of hospitalisation for COVID-19 patients infected with SARS-CoV-2 variant of concern B.1.1.7 in Cyprus, weeks 45/2020 - 10/2021, <i>Annalisa Quattrocchi</i></li> <li>d. High local COVID-19 incidences barely affected the timeliness and completeness of COVID-19 reporting in Germany in 2020, <i>Emily Meyer</i></li> <li>e. Estimating COVID-19 reinfection in northern Portugal: a surveillance case definition is needed!, <i>Joana Vidal-Castro</i></li> </ul>	<p>Poster tour 4 moderated by Steen Ethelberg <b><u>Food and waterborne diseases: outbreaks</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Outbreak of Salmonella Enteritidis linked to beef, Norway, January to May 2021, <i>Andreas Rohringer</i></li> <li>b. An outbreak of norovirus gastroenteritis after a New Year's Eve dinner at a hotel in North Rhine Westphalia, Germany, <i>Katja Siling</i></li> <li>c. Outbreak of Shiga-toxin producing Escherichia coli (STEC) O157 linked to imported food product, United Kingdom, August 2020, <i>Ranya Mulchandani</i></li> <li>d. [late breaker] Foodborne outbreak in a Greek high school through catered lunches, May 2021, <i>Sofia Papanikou</i></li> </ul>
<b>17.00-17.30</b>	<p>Poster tour 5 moderated by Sonia Boender <b><u>Respiratory viruses: surveillance</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Establishing a novel European hospital surveillance platform in response to a newly emerging infection: lessons from the I-MOVE-COVID-19 hospital network, <i>Ciaran Harvey</i></li> <li>b. Seroprevalence of SARS-CoV-2 antibodies across the European region, January - December 2020, <i>Aisling Vaughan</i></li> <li>c. Adapting and optimizing event-based surveillance to meet the needs of the evolving COVID-19 pandemic, <i>Eri Togami</i></li> <li>d. Enhanced surveillance of COVID-19 in secondary care in Europe: a tale of two waves, <i>Heather Mutch</i></li> <li>e. A comparative analysis of the epidemiology of influenza and RSV in Russia: data from a large and diverse country in Europe, <i>Saverio Caimi</i></li> </ul>	<p>Poster tour 6 moderated by Kostas Danis <b><u>Emerging and vector-borne diseases</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Evaluation of the use of different sample types for mosquito-borne flaviviruses surveillance in birds, <i>Nnomzie Atama</i></li> <li>b. Epidemiological Characteristics of Lyme Borreliosis in Georgia, 2019, <i>Ekaterine Jbidze</i></li> <li>c. Genomic monitoring to investigate emergence and transmission dynamics of arboviruses in the Netherlands, <i>Emmanuelle Münger</i></li> <li>d. Sensibilisation of general practitioners towards imported arboviral infections in the light of established populations of Aedes albopictus in Baden-Wuerttemberg, Germany, <i>Hannah Höglund-Braun</i></li> <li>e. Autochthonous transmission of dengue, chikungunya and Zika virus in mainland France, 2010-2020, <i>Miguel Angel Sanchez Ruiz</i></li> </ul>



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## DAY 2 - 17 November 2021

<p><b>11.30-12.00</b></p>	<p>Poster tour 7 moderated by Patricia Garvey</p> <p><b><u>Food and waterborne diseases: outbreaks (2)</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Using WGS for the detection of a persistent low-level outbreak of <i>Salmonella</i> serotype 4,5,12:i:- (monophasic variant of S.Typhimurium) in Ile de France region in 2020, France, <i>Athinna Nisavanh</i></li> <li>b. Cross-border outbreak of <i>Listeria monocytogenes</i> in Austria, Denmark, Germany and Switzerland linked to smoked trout, 2020, <i>Ida Sperle-Heupel</i></li> <li>c. First confirmed domestic transmission of <i>Brucella canis</i> between dogs in the UK: outbreak investigation and public health risk assessment, <i>Gemma Smith</i></li> <li>d. Questionnaire-based epidemiological analysis of acute gastroenteritis outbreak among employees of two neighbouring institutions sharing canteen in Prague 2019 <i>Monika Liptáková</i></li> <li>e. [late breaker] An outbreak of <i>Salmonella</i> Typhimurium following an Eid al-Adha celebration barbecue in Wales (UK), July 2021, <i>Gemma Hobson</i></li> </ul>	<p>Poster tour 8 moderated by Katharina Alpers</p> <p><b><u>COVID-19: Field epidemiology</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Potential impact of SARS-CoV-2 B.1.1.7 variant in school settings- results from an outbreak investigation in Croatia, March 2021, <i>Bojana Mahmutovic</i></li> <li>b. Investigation of a COVID-19 outbreak among employees of a supermarket in Dublin, Ireland, January-February 2021, <i>Annamária Ferenczi</i></li> <li>c. First long-term care facility coronavirus outbreak in the Netherlands following cross-border introduction from Germany, March 2020, <i>Mitch van Hensbergen</i></li> <li>d. Are saunas safe in the COVID-19 pandemic? Results from an outbreak at a Danish boarding school, 2020, <i>Oliver McManus</i></li> </ul>
<p><b>13.00-13.30</b></p>	<p>Poster tour 9</p> <p><b><u>COVID-19: Burden of disease</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Seroprevalence study of SARS-CoV-2 infection in Romania, 2020, <i>Teodora Vremere</i></li> <li>b. Long-term effects of COVID-19 in Malta, Charmaine Zahra</li> <li>c. Antibody waning to SARS-CoV-2 and vaccine response in a population-based longitudinal study in Germany 2020/2021, <i>Julia Ortmann</i></li> <li>d. The impact of lockdown on COVID-19 burden in specific age groups, 2020-2021, Slovenia, <i>Natalija Kranjec</i></li> <li>e. Attribution of nosocomial seeding to COVID-19 outbreaks in long-term care facilities (LTCFs): population-based surveillance in England, 2020-21, <i>Joe Flannagan</i></li> </ul>	<p>Poster tour 10</p> <p><b><u>Implementation science</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Infection prevention and control in residential care facilities for people with intellectual and developmental disabilities: a need for a tailored and comprehensive approach, <i>Famke Houben</i></li> <li>b. Analyses of blood donor samples from eight provinces in Lao PDR suggest considerable variation concerning HBV exposure and carriage, <i>Lisa Hefele</i></li> <li>c. Molecular epidemiology of <i>Bordetella pertussis</i> in Norway 1996-2019: Allelic variants of vaccine related antigens, <i>Lin T. Brandal</i></li> <li>d. Easy access to vaccination important for adherence during the 2016-2019 HPV catch-up vaccination of young women in Norway, <i>Elburg Van Boetzelaeler</i></li> <li>e. [late breaker] Vaccine hesitancy and public participation in Ukraine: An exploratory qualitative study on attitudes and barriers to measles vaccination, <i>Jacob Osborne</i></li> </ul>
<p><b>15.00-15.30</b></p>	<p>Poster tour 11 moderated by Kassiani Mellou</p> <p><b><u>Food and waterborne diseases and zoonoses</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Trends in Shiga Toxin Producing <i>Escherichia coli</i> other than serotype O157:H7 (non-O157 STEC) in Wales before and after introduction of multiplex PCR testing (2015-2019), <i>Clare Sawyer</i></li> <li>b. Salmonellosis has markedly declined in Finland: 25-year experience of infectious disease surveillance, <i>Kristiina Suominen</i></li> <li>c. Seroprevalence and risk factors for hantavirus disease and leptospirosis in a hantavirus high-risk region in Lower Saxony, Germany 2019, <i>Saskia Schmitz</i></li> <li>d. [late breaker] Scratching the surface: a <i>Salmonella</i> Infantis outbreak linked to contaminated pork rind snack in the UK, 2021; a case-control study, <i>Megan Bardsley</i></li> <li>e. [late breaker] Water, Sanitation and Hygiene coverage in Bentiu Internally Displaced Population Camp, South Sudan, August 2021, <i>Berhe Tesfay</i></li> </ul>	<p>Poster tour 12 moderated by Loredana Ingrassio</p> <p><b><u>COVID-19: Knowledge for policy and practice</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Evaluation of an Antigen Rapid Diagnostic Test for SARS-CoV-2 at a south Italian field site: despite limitations, could it serve as a useful screening tool?, <i>Tobias Homan</i></li> <li>b. Integrating mapping, whole genome sequencing and staff interviewing to determine the source of infection and inform control measures in a prison COVID-19 outbreak, <i>James Adamson</i></li> <li>c. SARS-CoV-2 Immunogenicity in healthcare workers infected before and after COVID-19 vaccination: Israel, January-March 2021: Implications for vaccination policy, <i>Kamal Abu Jabal</i></li> <li>d. [late breaker] Impact of national lockdown in reducing SARS-CoV-2 transmission in Portuguese municipalities, <i>Teresa Garcia</i></li> <li>e. [late breaker] Antibody levels among hospital staff diagnosed with COVID-19 and factors related with antibody levels, <i>Raika Durusoy</i></li> </ul>



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## DAY 3 - 18 November 2021

11.30-12.00	<p>Poster tour 13</p> <p><b><u>Antimicrobial resistance</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Extended spectrum <math>\beta</math>-lactamases in human <i>Salmonella</i> isolates in Spain from 2002 to 2018, <i>Andreas Hoefer</i></li> <li>b. Who was given antibiotics in primary care in Northern Ireland, during 2019 and what is the role of prescribers? A cross-sectional, multi-level analysis, <i>Christopher Nugent</i></li> <li>c. Antimicrobial-resistance in human strains of <i>Salmonella</i> spp: data from Enter-Net surveillance system 2016-2019, Italy, <i>Giulia Errico</i></li> <li>d. Phylogenomic relatedness between Austrian <i>N. gonorrhoeae</i> strains correlates with antimicrobial resistance patterns, <i>Justine Schaeffer</i></li> <li>e. Detection of healthcare-related infections due to multidrug-resistant microorganisms in COVID-19 patients at an Intensive Care Unit in a secondary hospital in Spain, <i>Christine Giesen</i></li> </ul>	<p>Poster tour 14</p> <p><b><u>COVID-19: surveillance</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. A novel surveillance tool to estimate the serial interval, reproduction number and dispersion parameter for coronavirus disease 2019 using contact tracing data, <i>Bernard C Silenou</i></li> <li>b. SARS-CoV-2 antibody testing in healthcare workers: a comparison of the clinical performance and retained sensitivity of three commercially available immunoassays, Ireland, 2020, <i>Melissa Brady</i></li> <li>c. A Tailored Surveillance System for COVID-19 Infections within Prisons in Wales, <i>Gethin Jones</i></li> <li>d. Calculating the serial interval of SARS-CoV-2 in Lebanon using 2020 contact-tracing data, <i>Nadine Haddad</i></li> <li>e. A cohort study describing COVID-19 transmission in named contacts over time and across settings and population groups in England, <i>Charlie Turner</i></li> </ul>
13.00-13.30	<p>Poster tour 15 moderated by Kostas Danis</p> <p><b><u>COVID-19: vaccines</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Preliminary results from a pilot study evaluating the time of viral clearance in asymptomatic COVID-19 vaccinated and unvaccinated patients, <i>Laura Bubba</i></li> <li>b. COVID-19 vaccine effectiveness in Malta in SARI hospitalised patients: preliminary results February – April 2021, <i>Joaquin Baruch</i></li> <li>c. Surveillance of adverse events following immunization against covid-19: first four months of immunization campaign in Slovenia, <i>Veronika Učakar</i></li> <li>d. COVID-19 vaccine effectiveness at outpatient level in Europe: 2021 pooled results from 11 countries, <i>Esther Kissling</i></li> <li>e. Two doses of the mRNA vaccine Comirnaty effectively reduced transmission of SARS-CoV-2: evidence from a SARS-CoV-2 B.1.1.7 outbreak in a nursing home, Osnabrück, Germany, January-March 2021, <i>Emily Meyer</i></li> </ul>	<p>Poster tour 16 moderated by Loredana Ingrosso</p> <p><b><u>Healthcare-associated infections</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Factors influencing infection rate among tested positive residents for SARS-CoV-2 in Flemish nursing homes during the first wave of COVID-19 pandemic, <i>Laurene Peckeu</i></li> <li>b. Shifting epidemiology of invasive group A streptococcal (iGAS) infection clusters in England 2015-2019, <i>Elizabeth Marchant</i></li> <li>c. Barriers and facilitators to infection prevention and control (IPC) in Dutch psychiatric institutions: a theory-informed qualitative study, <i>Famke Houben</i></li> <li>d. 'Scanning for a source': A national nosocomial outbreak of <i>Burkholderia cepacia</i> complex associated with ultrasound gel, United Kingdom, 2020-2021, <i>Jason Doran</i></li> <li>e. <i>Staphylococcus aureus</i> (SA): a real increase of invasive infections in Finland in 2020? A time-series analysis of reported invasive SA cases in Finland, 2016-2020, <i>Dorothee Obach</i></li> </ul>



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## DAY 4 - 19 November 2021

<b>11.30-12.00</b>	<p>Poster tour 17 moderated by Kostas Danis</p> <p><b><u>Late breakers</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Surveillance during a pandemic: COVID-19 cross-border contact-tracing in Germany, April-October 2020, <i>Ida Sperle</i></li> <li>b. Seroprevalence of SARS-CoV-2 in Sweden, April 26 to May 9, 2021, <i>Jessica Beser</i></li> <li>c. Improving public health surveillance using automatic summarization, <i>Thijs Cornelissen</i></li> <li>d. Delta variant and mRNA Covid-19 vaccines effectiveness: higher odds of vaccine infection breakthroughs, <i>Irina Kislaya</i></li> <li>e. [late breaker] SARS-CoV-2 attack rate during air travel: results from 46 flights traced by the German health authorities, January - March and June - August 2020, <i>Felix Moek</i></li> <li>f. [late breaker] LongCOVID Kids study: long-term effects of COVID-19 in children in the Netherlands, <i>Lola Tulen</i></li> </ul>	<p>Poster tour 18 moderated by Sonia Boender</p> <p><b><u>HIV, sexually transmitted infections and viral hepatitis</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Drop in prescriptions for treating hepatitis C in Germany during the early phases of the COVID-19 pandemic in 2020, <i>Emily Meyer</i></li> <li>b. The STI re-emergence in Catalonia (2017-2019): epidemic characterization, socio-epidemiological clustering approach, and HIV co-infection associated factors, <i>Alexis Sentis</i></li> <li>c. Trends in <i>Shigella</i> among men who have sex with men following COVID-19 restrictions, <i>Katie Harman</i></li> <li>d. Impact of COVID-19 control measures on testing and notification trends of syphilis and gonorrhoea in New Zealand, <i>Callum Thirkell</i></li> <li>e. A pilot sentinel surveillance to monitor the treatment of chronic hepatitis B and C infections in European centres in 2019, <i>Anthony Nardone</i></li> </ul>
<b>13.00-13.30</b>	<p>Poster tour 19 moderated by Pawel Stefanoff</p> <p><b><u>Vaccine preventable diseases: surveillance</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. First evaluation of completeness and sensitivity of the measles surveillance system in the Czech Republic from January 2018 to June 2019, <i>Monika Liptáková</i></li> <li>b. A simple tool for guiding decisions on roll-out and capacity management for the Danish COVID-19 vaccination programme, <i>Martine Aabye</i></li> <li>c. Vaccines protect from severe COVID-19 – results of case-case comparison in Bavaria, Germany, between January and March 2021, <i>Sarah van de Berg</i></li> <li>d. High influenza vaccination coverage among healthcare workers in acute care hospitals in Finland, 2017-2020, <i>Charlotte Hammer</i></li> <li>e. Does Health Care Workers' Reluctance for Vaccines extend to COVID-19 Vaccines? - A cross-sectional Survey among Health Care Workers from Hospitals in Germany in March 2021, <i>Johannes Boucsein</i></li> </ul>	<p>Poster tour 20 moderated by Delphine Perriat</p> <p><b><u>Preparedness</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Meteorological conditions and Legionnaires' disease - a systematic review, <i>Despina Pampaka</i></li> <li>b. Experiences from the first state-run quarantine for SARS CoV-2 in Germany, February 2020, <i>Kathrin Schaten</i></li> <li>c. Mapping the risk of dengue in Spain, <i>Despina Pampaka</i></li> <li>d. Identifying the sectors involved in public health emergency preparedness and response: a systematic review, <i>Sandra Kengne Kamga</i></li> <li>e. [late breaker] WHO's role in enhanced public health intelligence for the Tokyo 2020 Olympic and Paralympic Games during the COVID-19 pandemic, July to September 2021, <i>Eri Togami</i></li> </ul>
<b>15.00-15.30</b>	<p>Poster tour 21</p> <p><b><u>COVID-19: surveillance</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Analysis of COVID-19 outbreak alerts generated in school settings in Slovenia, February-April 2021, <i>An Galicic</i></li> <li>b. Detection and investigation of potential SARS-CoV-2 reinfections within the SIREN study, <i>Ana Atti</i></li> <li>c. SARS-CoV-2 seroprevalence in Portugal after the 3rd COVID-19 epidemic wave, <i>Ana Paula Rodrigues</i></li> <li>d. Monitoring the introduction and spread of SARS-CoV-2 variants of concern in Lombardy (northern Italy) in 2021, <i>Cristina Galli</i></li> <li>e. Completeness, timeliness and acceptability of COVID-19 surveillance in the German state of North-Rhine Westphalia, 19 February 2020 to 11 May 2021, <i>Katja Siling</i></li> </ul>	<p>Poster tour 22</p> <p><b><u>Vaccines</u></b></p> <p><i>Posters:</i></p> <ul style="list-style-type: none"> <li>a. Inequalities in initiation of COVID19 vaccination by age and population group in Israel- December 2020-April 2021, <i>Yanay Gorelik</i></li> <li>b. COVID-19 Vaccine second dose uptake is essential to induce strong humoral response in susceptible Health Care Workers, <i>Raquel Guiomar</i></li> <li>c. Trust in institutions is important for vaccine acceptance - results of the longitudinal survey on COVID-19 in Lower Saxony, Germany, 2020, <i>Anna Luczynska</i></li> <li>d. COVID-19 vaccine hesitancy among healthcare workers in Palestine: A call for action, <i>Beesan Maraqa</i></li> <li>e. Immunity to Varicella-Zoster-Virus in women of childbearing age seeking asylum in Rhineland-Palatinate, 2015-2020, <i>Kathrin Schaten</i></li> <li>f. Evaluation of representativeness and sensitivity of the German varicella notification system, 2014-2017, <i>Felix Moek</i></li> </ul>