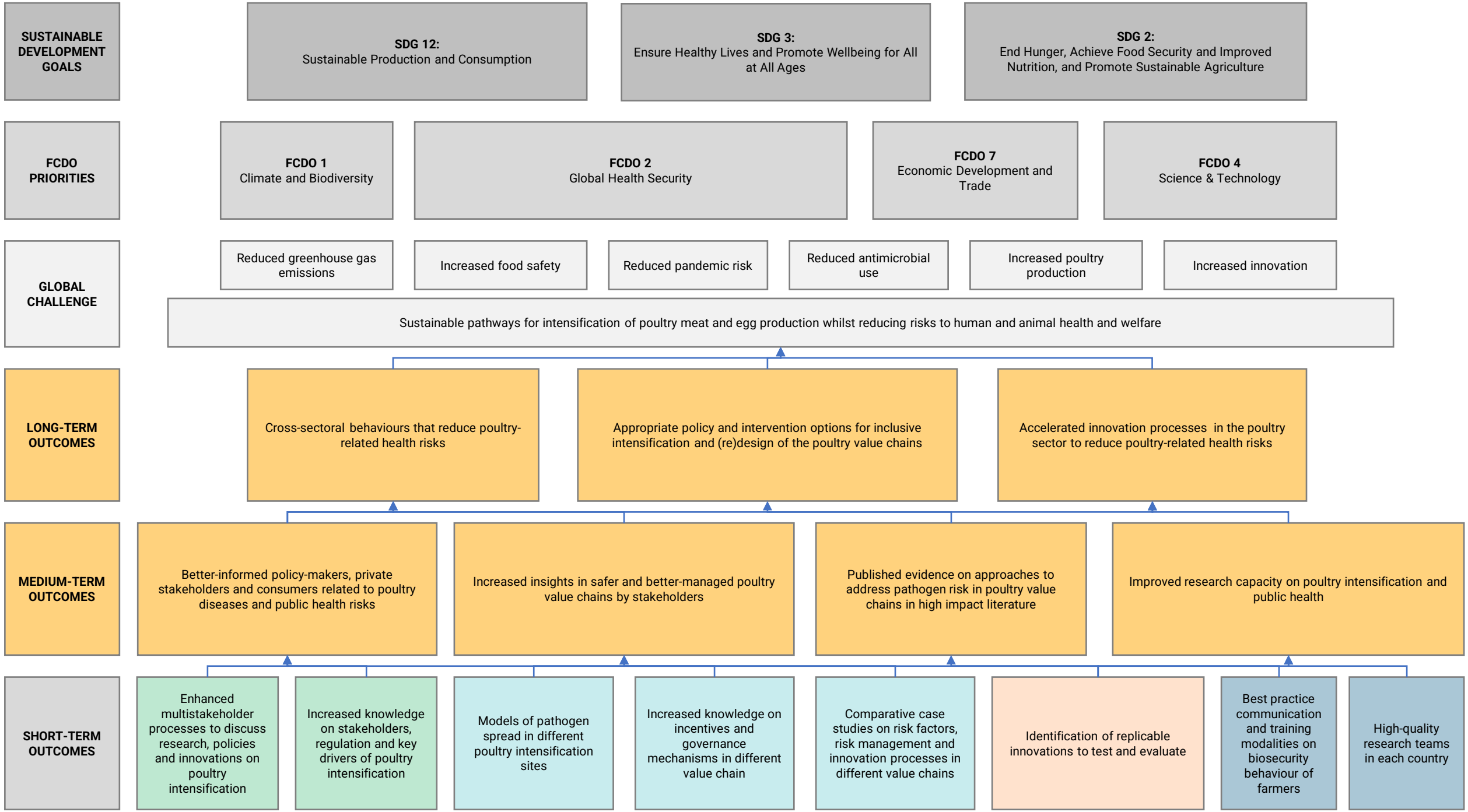
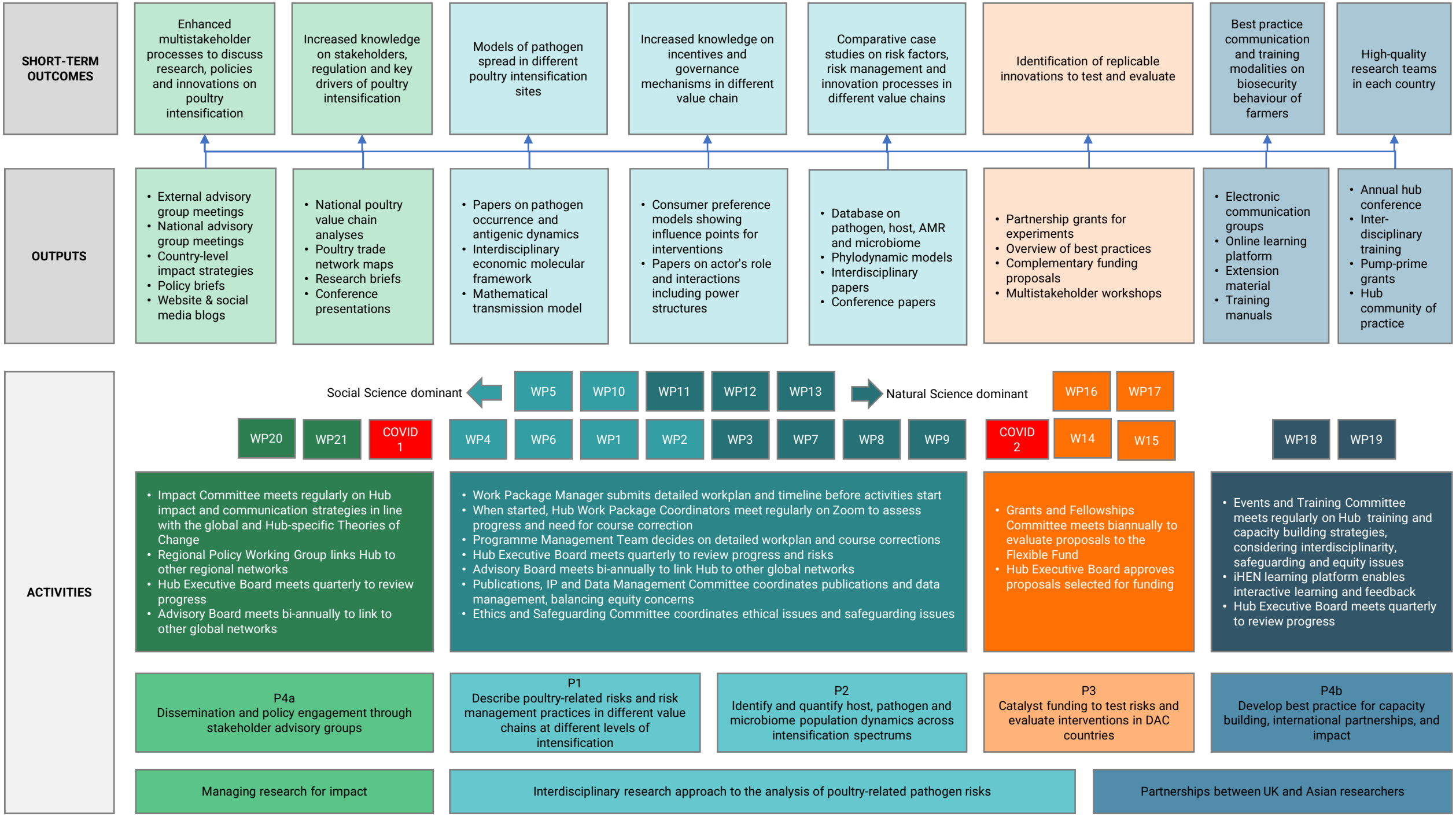

SUSTAINABLE DEVELOPMENT GOALS
SDG 12: Sustainable Production and Consumption
SDG 3: Ensure Healthy Lives and Promote Wellbeing for All at All Ages
SDG 2: End Hunger, Achieve Food Security and Improved Nutrition, and Promote Sustainable Agriculture
FCDO PRIORITIES
FCDO 1 Climate and Biodiversity
FCDO 2 Global Health Security
FCDO 7 Economic Development and Trade
FCDO 4 Science & Technology
GLOBAL CHALLENGE
Reduced greenhouse gas emissions
Increased food safety
Reduced pandemic risk
Reduced antimicrobial use
Increased poultry production
Increased innovation
Sustainable pathways for intensification of poultry meat and egg production whilst reducing risks to human and animal health and welfare
LONG-TERM OUTCOMES
Cross-sectoral behaviours that reduce poultry-related health risks
Appropriate policy and intervention options for inclusive intensification and (re)design of the poultry value chains
Accelerated innovation processes in the poultry sector to reduce poultry-related health risks
MEDIUM-TERM OUTCOMES
Better-informed policy-makers, private stakeholders and consumers related to poultry diseases and public health risks
Increased insights in safer and better-managed poultry value chains by stakeholders
Published evidence on approaches to address pathogen risk in poultry value chains in high impact literature
Improved research capacity on poultry intensification and public health
SHORT-TERM OUTCOMES
Enhanced multistakeholder processes to discuss research, policies and innovations on poultry intensification
Increased knowledge on stakeholders, regulation and key drivers of poultry intensification
Models of pathogen spread in different poultry intensification sites
Increased knowledge on incentives and governance mechanisms in different value chain
Comparative case studies on risk factors, risk management and innovation processes in different value chains
Identification of replicable innovations to test and evaluate
Best practice communication and training modalities on biosecurity behaviour of farmers
High-quality research teams in each country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OUTPUTS
• External advisory group meetings • National advisory group meetings • Country-level impact strategies • Policy briefs • Website & social media blogs
• National poultry value chain analyses • Poultry trade network maps • Research briefs • Conference presentations
• Papers on pathogen occurrence and antigenic dynamics • Interdisciplinary economic molecular framework • Mathematical transmission model
• Consumer preference models showing influence points for interventions • Papers on actor's role and interactions including power structures
• Database on pathogen, host, AMR and microbiome • Phylodynamic models • Interdisciplinary papers • Conference papers
• Partnership grants for experiments • Overview of best practices • Complementary funding proposals • Multistakeholder workshops
• Electronic communication groups • Online learning platform • Extension material • Training manuals
• Annual hub conference • Inter-disciplinary training • Pump-prime grants • Hub community of practice
ACTIVITIES
Social Science dominant
WP5 WP10 WP11 WP12 WP13
Natural Science dominant
WP16 WP17
WP20 WP21 COVID 1 WP4 WP6 WP1 WP2 WP3 WP7 WP8 WP9 COVID 2 W14 W15 WP18 WP19
• Impact Committee meets regularly on Hub impact and communication strategies in line with the global and Hub-specific Theories of Change • Regional Policy Working Group links Hub to other regional networks • Hub Executive Board meets quarterly to review progress • Advisory Board meets bi-annually to link to other global networks
• Work Package Manager submits detailed workplan and timeline before activities start • When started, Hub Work Package Coordinators meet regularly on Zoom to assess progress and need for course correction • Programme Management Team decides on detailed workplan and course corrections • Hub Executive Board meets quarterly to review progress and risks • Advisory Board meets bi-annually to link Hub to other global networks • Publications, IP and Data Management Committee coordinates publications and data management, balancing equity concerns • Ethics and Safeguarding Committee coordinates ethical issues and safeguarding issues
• Grants and Fellowships Committee meets biannually to evaluate proposals to the Flexible Fund • Hub Executive Board approves proposals selected for funding
• Events and Training Committee meets regularly on Hub training and capacity building strategies, considering interdisciplinarity, safeguarding and equity issues • iHEN learning platform enables interactive learning and feedback • Hub Executive Board meets quarterly to review progress
P4a Dissemination and policy engagement through stakeholder advisory groups
P1 Describe poultry-related risks and risk management practices in different value chains at different levels of intensification
P2 Identify and quantify host, pathogen and microbiome population dynamics across intensification spectrums
P3 Catalyst funding to test risks and evaluate interventions in DAC countries
P4b Develop best practice for capacity building, international partnerships, and impact
Managing research for impact
Interdisciplinary research approach to the analysis of poultry-related pathogen risks
Partnerships between UK and Asian researchers