

ISGlobal

Advancing Health for All





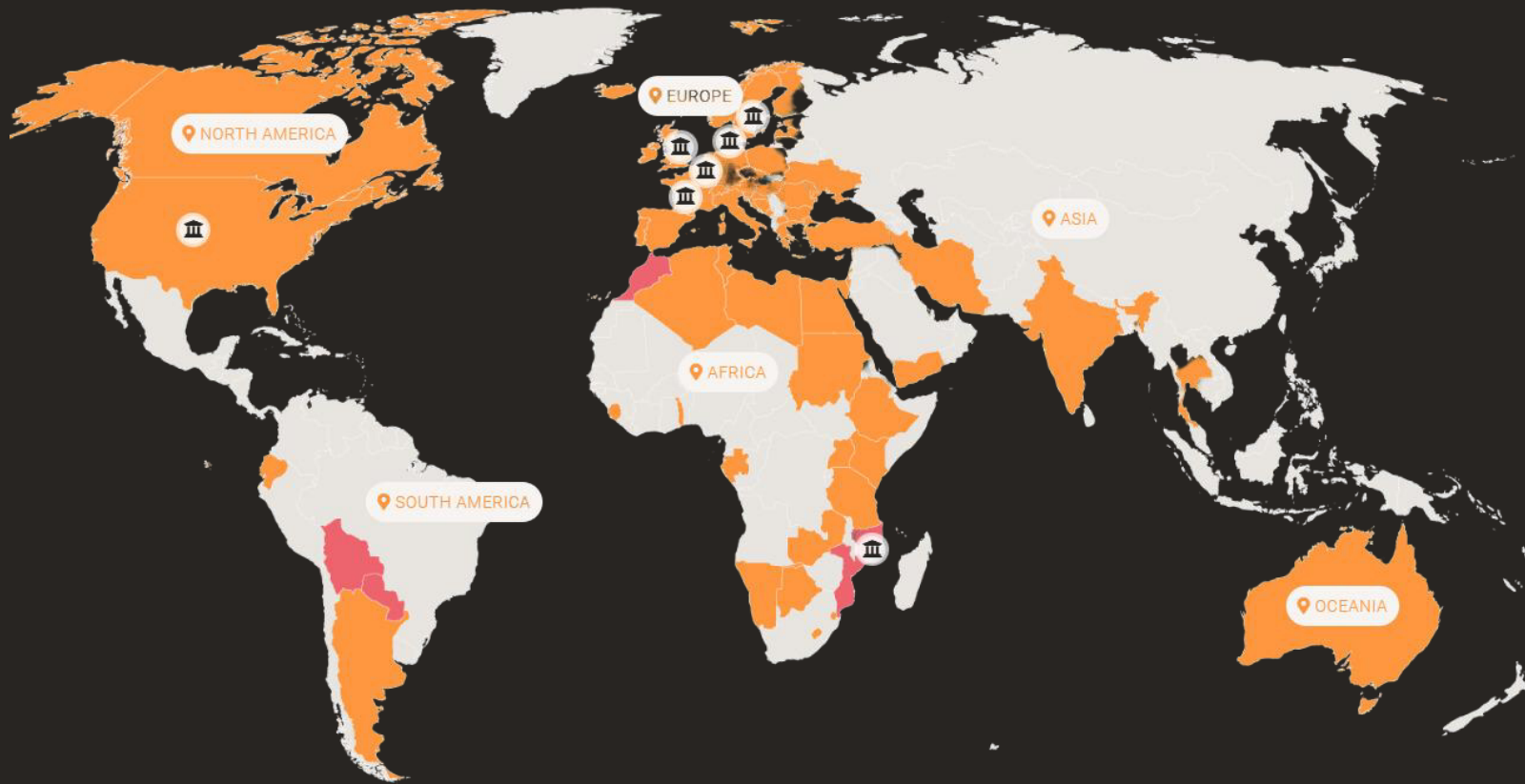
We focus on major health issues worldwide and generate evidence to support effective solutions, with an emphasis on reducing disparities and promoting health equity



Our Mission

To improve global health and promote health equity, through excellence in research, translation and application of knowledge

At a Glance*



- Projects and networks coordinated by ISGlobal
- Long-term strategic alliances



🏛 Main international institutions with which ISGlobal published scientific articles

- 604 people from 58 countries are part of our multidisciplinary team
- 237 ongoing research projects
- >600 scientific publications yearly
- 31 patents and software
- >1600 students trained per year —145 of them PhD students
- 30 Thesis Defended in 2024
- >8 policy documents each year
- 🌐 A global presence

Our Knowledge Model

A virtuous circle of knowledge and action for global impact on health

Translation & Impact
Knowledge Translation



Research & Innovation
Knowledge Creation & Transfer

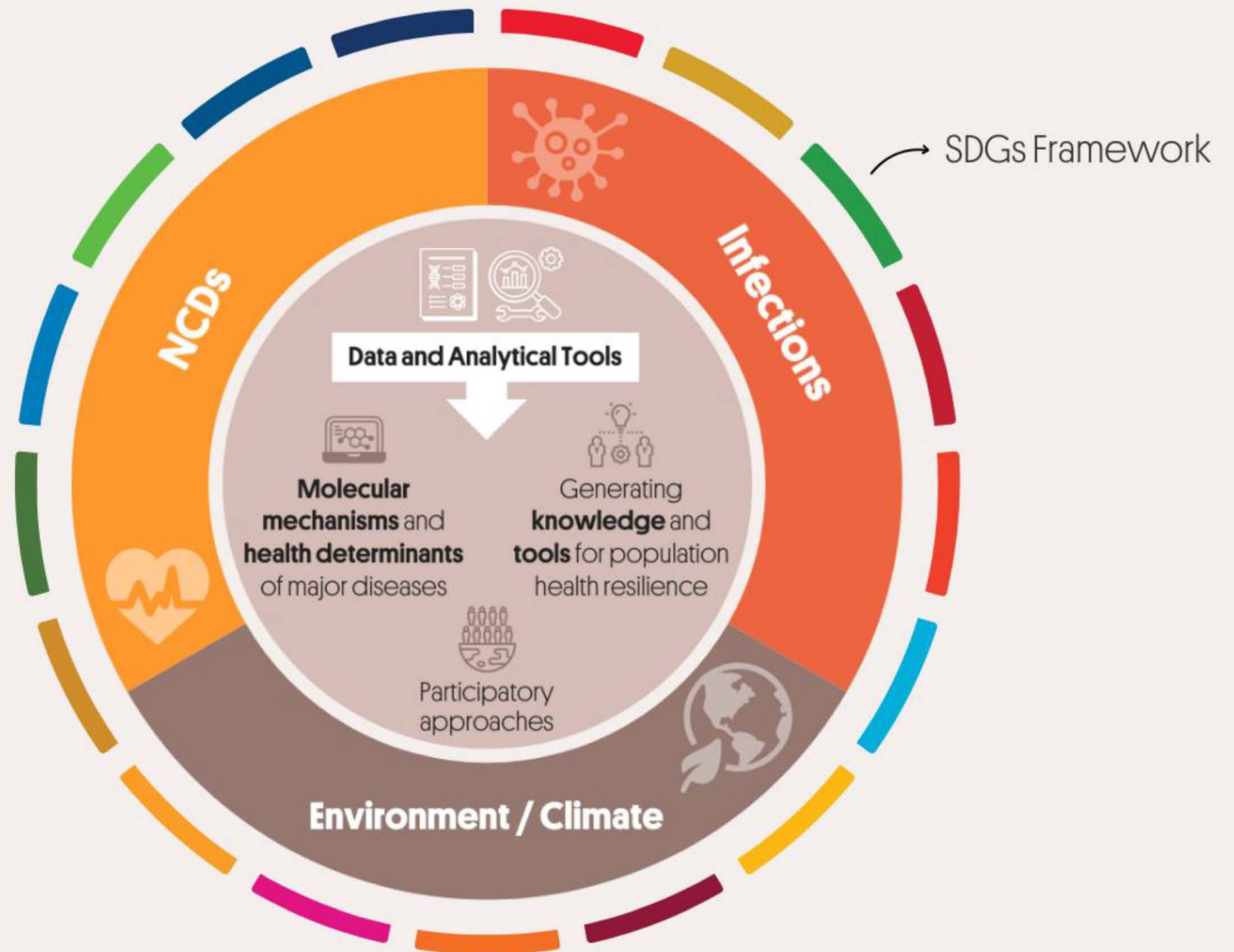


Education & Training
Knowledge Transmission

Our Knowledge Approach

CERCA
Centres de Recerca
de Catalunya

Connecting Infections, Non-Communicable Diseases, and the Environment for Impact

**ISGlobal**

Research

 EXCELENCIA
SEVERO
OCHOA

 CERCA
Centres de Recerca
de Catalunya

RESEARCH PROGRAMMES



TRANSVERSAL HUBS OF KNOWLEDGE





Global Viral and Bacterial Infections

Objective

To improve understanding of the physiopathology and immunity of viral and bacterial infections in vulnerable populations, developing tools for screening, diagnosis, treatment and clinical management.



Focus

On TB, antimicrobial resistant bacteria, HIV, viral hepatitis, emerging or neglected viral infections such as dengue and SARS-CoV-2, infections of global reach such as influenza and cytomegalovirus, and syndromic approaches to infant febrile, diarrhoeal and respiratory infections.



Ultimate Goal

To reduce the disease burden of viral and bacterial infections affecting vulnerable populations and/or of global concern.





Climate, Air Pollution, Nature and Urban Health

Objective

To strengthen the evidence base in the field of the health effects of climate change and urban exposures, and assess the health co-benefits of climate action.



Focus

On exposures such as noise, air pollution, temperature and green spaces in outcomes such as premature mortality, cardiovascular and respiratory health and cognitive function.

This research is complemented by computational modelling of global climate variations and tipping points and their impact on health.



Ultimate Goal

To support healthy [urban] living, and forecast and mitigate the health impacts of climate change.





Environmental and Health over the Lifecourse

Objective

To expand knowledge on the causes and mechanisms of non-communicable diseases (NCDs), focusing on environmental, radiation, occupational, lifestyle, infectious, and genetic risk factors throughout the life course, from prenatal to late adult life.

Focus

On respiratory, immune, and cardiovascular health, neurodevelopment, and cancer.

Ultimate Goal

To prevent and control NCDs, in line with the United Nations' SDG.





Malaria and Neglected Parasitic Diseases

Objective

To support evidence-based policymaking at all levels for the reduction of malaria and other parasitic diseases in high-burden areas, and to expand our current scientific understanding of the most relevant parasitic diseases affecting humans, and their host-vector interactions.



Focus

On malaria, Chagas and neglected tropical parasitic diseases such as soil transmitted helminths and Leishmania.



Ultimate Goal

To advance towards disease elimination wherever feasible.





Maternal, Child and Reproductive Health

Objective

To develop and validate clinical and community interventions for the most prevalent health problems in women and children living in low- and middle-income countries and support evidence-based policy-making.



Focus

On barriers to quality of obstetric and child care, on the major causes of maternal and child mortality, namely HIV/AIDS, malaria respiratory and diarrhoeal diseases as well as on maternal immunization.



Ultimate Goal

To reduce mortality and improving the health of women and children living in low- and-middle income countries.



Value Chain



RESEARCH

Knowledge Creation

TRANSLATION

Knowledge Transfer,
Transformation and Translation

SOCIETAL IMPACT

Innovation



Foster and support the development of technological, service and/or organizational innovations

- Protection of intellectual property
- Knowledge and technology transfer



Responsible Research and Innovation

Respond to the problems and needs of civil society through scientific research and innovation projects

Education & Training



University research institute of the
University of Barcelona and
Pompeu Fabra University

Member of the Consortium of Universities
for Global Health and the tropEd Network
for Education in International Health

Academic hub in education in global and
public health

- Doctorate Programme in Medicine
- Master of Global Health
- Master in Public Health
- Master in Clinical Research [International Health & Clinical Microbiology]
- Trans Global Health Erasmus Mundus
- International programmes in collaboration with partners
- Other postgraduate programmes & short courses
- Research and Cooperation Programmes

Translation & Impact



Packaging science for translation



Influencing wider audiences



Policy making



Advocacy



New models of action

- Scaling up
- Promoting international alliances and networks

Major Contributions to Global Health

Malaria Control and Elimination

[Magude project, RTS,S malaria vaccine response]



Determination of Causes of Death

[MITS, CHAMPS network]



Reducing the Urban Burden of Disease

[European Burden of Disease Projects, 1,000 European cities]



Immune Response & Covid-19

[Immune response induced by SARS-CoV-2 and Covid-19 vaccines, primary healthcare workers cohort, air pollution and Covid-19]



Comprehensive Care Approach for Chagas Patients

[Chagas Platform in Bolivia]



Leading the Exposome Research

[Health impact of childhood exposure, INMA cohort, omics approaches]



Innovative Early Warning Systems for Reducing Heat and Cold Related Mortality

[Prediction of heat-related mortality in Europe, Forecaster.health platform]



ISGlobal **Barcelona**
Institute for
Global Health