FONDATION PIERRE FABRE
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THE GLOBAL SOUTH eHEALTH OBSERVATORY

CONFERENCE – OCTOBER 15, 2020 – LAVAUR, FRANCE

ICTs AND HEALTH CRISES
DIGITAL TOOLS ON THE FRONT LINE
OF THE FIGHT AGAINST EPIDEMICS

PRESENTATION KIT

The 2020 Global South eHealth Observatory conference

ICT'S AND HEALTH CRISIS: digital tools become essential in fighting epidemics

Back in 2015, the Fondation Pierre Fabre recognised the potential to be found in the rise of information and communication technologies (ITCs). Adoption of these new tools worldwide, including by the poorest populations in low- and middle-income countries, provided an opportunity to lessen health inequalities. Many entities in these countries – healthcare facilities, universities, startups, NGOs, charitable organisations – were experimenting with innovative solutions while governments sought ways to incorporate technological tools to manage, improve and measure their national health policies.

In light of this explosion of initiatives, the Fondation Pierre Fabre created the Global South eHealth Observatory in 2016 to understand, analyse, share and promote digital innovations as a way to improve healthcare for the most underprivileged populations. Though originally designed as a platform for identifying and presenting the most promising solutions, with an online database listing more than 160 projects today (www.odess.io), the Observatory now also serves as a networking tool for all those working in the eHealth field, such as through supporting the training and information sharing that are essential to structuring new public health models.

Every year, the Global South eHealth Observatory annual conference provides a setting in which ideas and information can be exchanged between experts, entities working in the field, international organisations, ministries and NGOs on issues related to transforming health strategies in ways that can benefit everyone. This conference is webcast live and streamed to more than a dozen digital campuses of the Agence Universitaire de la Francophonie in Africa and Asia. It presents the digital health initiatives selected by the Observatory's expert panel after a continuous monitoring process and a call for entries. The projects chosen to receive the annual awards fall into several scopes of action: public awareness and education, training of healthcare professionals, remote consultation and telemedicine, data collection and analysis, access to health insurance and more, all to promote prevention and healthcare access among the poorest African and Asian populations.

This year, the Foundation has focused substantially on monitoring and documenting Covid-19's impact on how information and communication technologies are being developed and adopted as part of healthcare responses, and thus decided to make it the central theme of the 2020 conference. In April, the Foundation asked Samir Abdelkrim and Julie Lanckriet (StartupBRICS) to perform a study entitled "Tech Use in Fighting Epidemics in West Africa", which showcased achievements and knowledge gained during the handling of the Ebola crisis and the swift rise of innovative solutions to the Covid-19 epidemic. The results of the study will be presented at the beginning of the conference.

By exploring the theme "ICT's and Health crisis", the day's objective is to learn the lessons of past epidemics, establish an initial assessment of effective measures in managing the current health crisis and anticipate its impact on the organisation of health systems over the longer term.

PROGRAM OF THE DAY

10:00 AM **OPENING OF THE 2020 CONFERENCE**
Mrs Béatrice Garrette, Director General, Pierre Fabre Foundation
Mr Pierre Kempf, Division Health and Social Protection, Agence Française de Développement
Pr Slim Khalbous, Rector, Agence Universitaire de la Francophonie

10:25 AM **USING TECH TO FIGHT THE EPIDEMICS IN WEST AFRICA**
Mr Samir Abdelkrim, Founder, StartupBRICS & EMERGING Valley
Mrs Julie Lanckriet, Executive Director, StartupBRICS

10:50 AM **COUNTRY REPORT**
Taiwan's experience in using eHealth to fight epidemics
Dr I-Ming Parng, Director General, Department of Information Management, Ministry of Health and Welfare, Taiwan

11:10 AM **PRESENTATION OF THE 2020 LAUREATES (PART1)**
reach52: Access to health care and medicines, Philippines, Cambodia, India
Mr Edward Booty, Chief Executive Officer, reach52
eCentre Convivial: Information and access to reproductive health care for young Togolese people
Mr Rodrigue Kafui Koffi Akolly, Executive Director, eCentre Convivial, Togo

11:50 AM **PANEL DISCUSSION**
How have digital tools integrated and shaped national epidemic control strategies in Asia and Africa over the past 20 years?
Dr Boukary Ouedraogo, Director, Health Information Systems, Ministry of Health, Burkina Faso
Mr Derrick Muneene, Head of Unit, Capacity Building and Collaboration in Digital Health, World Health Organization
Mr Hani Eskandar, Senior Coordinator, Digital Services, International Telecommunication Union

12:50 AM **LUNCH / NETWORKING**

02:15 PM **COUNTRY REPORT**
Innovative actions of local solidarity actors in Morocco in response to the Covid-19 crisis
Mrs Ghalia Benabdeljelil, Executive Director, Saham Foundation, Morocco

03:20 PM **PRESENTATION OF THE 2020 LAUREATES (PART2)**
TT Tracker: Follow up of patients with Trachoma and support to surgeons in the fight against Trachoma, Guinea-Conakry, Benin, Nigeria
Mrs Sarah Bartlett, Director, Digital Health & Innovation: Neglected Tropical Diseases, Sightsavers
Anemiapp: Assistance in the management of sickle cell disease, Democratic Republic of Congo
Mr Arnold Wogbo, Founder and Director, Genity Sarlu
Guinea Epilepsy Project: Diagnostic tool for epilepsy via smartphone with Artificial Intelligence, Republic of Guinea
Pr Fode Abass Cissé, Neurologist, Lecturer, University Hospital of Conakry

03:30 PM **PANEL DISCUSSION**
Are health crises accelerating the digital transformation of health systems?
Pr Léonie Claudine Lougué Sorgho, Minister of Health, Burkina Faso
Dr Carl Kinkade, Centers for Disease Control and Prevention, Atlanta, USA
Pr Antoine Geissbuhler, Chief Medical Officer, Department of e-Health and Telemedicine, Geneva Hospitals Director, Réseau en Afrique Francophone pour la Télémédecine
Mrs Florence Gaudry-Perkins, Founder, Digital Health Partnerships

04:35 PM **AWARDS CEREMONY**

04:45 PM **CONFERENCE CLOSING**
Mr Hervé Berville, Member of Parliament and Economist

Roundtables

ROUNDTABLE #1

How have digital tools integrated and shaped national epidemic control strategies in Asia and Africa over the past 20 years?

The SARS, MERS and Ebola epidemics of the past have led to new tools being developed using ICTs. The use of these tools served as proof of concept of an efficient technology, a factor in optimising logistics and significant time savings when it could be adapted to local contexts and coordinated with the medical response.

How and where did these innovations get beyond the pilot stage? How were tools that initially came primarily from northern countries "localised" to provide indigenous technological solutions, ultimately helping to strengthen long-term healthcare?

The roundtable participants, all with substantial expertise and experience, will answer these questions and illustrate this transformation with concrete examples, including the most effective initiatives worldwide in the response to Covid-19, such as the substantial use of telemedicine, public information and awareness-raising applications and websites, data-collection tools with search features, patient monitoring and contact tracing, new treatment technologies facilitated by 3D printing and more.
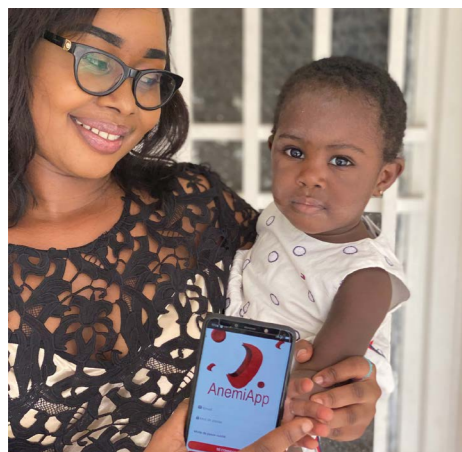
ROUNDTABLE #2

Are health crises accelerating the digital transformation of health systems?

A key issue in efforts to fight the current pandemic involves how very diverse entities can forge coalitions able to develop practical strategies and regulations to support the health industry's sustainability and resilience, be it governmental institutions, civil society organisations, international entities, the scientific realm or the private sector. This issue is not limited to the health industry, because health crises and the digital revolution also affect other areas of human activity: education, agriculture, industry, etc.

Health crises force the world and health systems to change. While it is still difficult to step back from the current crisis for a broader perspective, the post-crisis period must be anticipated to assess and explore the issues involved in the rise of digital. Though digital technology has become essential in healthcare systems, it is important to remember that, unless access is broadened, the appropriate infrastructure built, the legal arsenal designed and a digital monitoring system developed, these technologies could widen the gaps between societal strata. There must be increased awareness and cooperation to create conditions for trust, especially with regard to the ethical and geopolitical concerns associated with cybersecurity and protecting sensitive data. Achieving this means the collection and use of this data must be meticulous, transparent and honest.

Necessity is the mother of invention: Let us work on measuring the impact and learning the lessons now, for improved long-term resilience of global health systems and for upstream management of health crises through prevention driven by innovation.

THE 2020 OBSERVATORY AWARDEES

Each year, an important identification work, on the field and at a distance, coupled with a call for applications, allows project leaders using ICT to improve access to health, to submit their initiative on the website **www.odess.io**. Once the applications processed, the Observatory's group of experts votes for the most promising initiatives. This year, five laureates have been selected: they are invited to present their projects at the conference and will benefit from technical and financial support by the Fondation Pierre Fabre for a year.

ANEMIAPP

Democratic Republic of Congo

This application connects sickle-cell patients with healthcare professionals in the DRC, the African country bearing the second-largest burden of sickle cell disease, the world's leading hereditary genetic disease. Anemiapp also supplies information on available treatments and advice to avoid acute crisis episodes, the leading cause of death in those with this disease.

ARNOLD WOGBO
In 2017, he founded the startup Genity Sarlu, focused on using digital service to provide innovative solutions to the social problems and challenges facing Africans. Since 2011, he has been involved in fighting sickle-cell disease in his country, the DRC, with the NGO Croisade National Drépanocytose, then with Rezo Drepano SS.

eCENTRE CONVIVIAL

Togo

This application gives Togolese youth information on sexual and reproductive health through shared articles and educational messages. It also provides access to call-centre agents in a country where insufficient information leads to persistent risky behaviour among teens and young adults.

RODRIGUE KAFUI KOFFI AKOLLY
Young activist, paralegal by training, Rodrigue Kafui Koffi Akolly founded in 2004 the Association AV-Jeunes (Volunteers for the Promotion of Youth) of which he is currently the Executive Director.

REACH52

Philippines / Cambodia / India

This project involves creating a virtual "market" for the health needs of remote and disadvantaged populations. The work is twofold: first, a network of volunteers uses a digital application to collect data to help identify needs; next, a coalition of public, private and non-profit entities make available free or nearly free offers tailored to a particular population's resources. Structured around a system of "win-win" collaborations and partnerships between businesses, NGOs and government departments, reach52 offers a brighter future for healthcare access in low-income countries.

After working in developed health economies and emerging markets, Edward Booty founded reach52. Together with his team, he implements innovative community-led health care services in rural and underserved areas.

EDWARD BOOTY

TT TRACKER

Multi-country

This application gathers and analyses the outcomes of surgeries for trachomatous trichiasis, a neglected tropical disease of the eye that is believed to impact some 10 million people worldwide and, if not surgically treated by antibiotic therapy or surgery for advanced stages of the disease, lead to blindness. TT Tracker makes it possible for surgeons to enter evaluation and follow-up data on patients who have especially critical post-operative appointments. The data are also consolidated to allow global a global follow-up of the performance of surgical procedures and of the pathology whose final objective is its elimination.

photo @sightsavers

Digital Health Director for Sightsavers, focusing on Neglected Tropical Disease (NTD) programs. Her areas of expertise include mobile tools for data collection and monitoring, ICT in social and behavior change communications, rural marketing, and content creation.

SARAH BARTLETT

THE GUINEA EPILEPSY PROJECT

Guinea Republic

This winning project from 2018 has once again earned the Fondation Pierre Fabre's support to expand its research programme. The first phase focused on developing a technological solution for making and storing brain recordings used in the diagnosis and treatment of people with epilepsy. This new phase will integrate artificial intelligence to make the tool more effective and complete, helping to compensate for Republic of Guinea's lack of epilepsy specialists.

PR FODÉ ABASS CISSÉ
Neurologist, epileptologist, physician, and certified lecturer at the Conseil Africain et Malgache pour l'Enseignement Supérieur (CAMES). He is Head of the Neurology Department at the Ignace Deen national hospital in Conakry, in the Republic of Guinea.

34 LAUREATES SINCE 2016

2019 WINNERS

IeDA ⚲ BURKINA FASO – Guide and support community health workers in consultations with under-five children

KHUSHI BABY ⚲ INDIA – Solve the challenges of vaccinating young children, collecting data and raising awareness

mHEALTH ⚲ BURKINA FASO – A platform developed to allow health workers to send health information to local and national authorities from rural areas

PROMOTING PROPER MANAGEMENT OF ZOONOTIC DISEASES ⚲ TANZANIA – An animal-related outbreak management application

SMARTPHONE TELE-DERMATOLOGY SERVICE ⚲ MONGOLIA – Dermatology tele-expertise programme designed for people in rural and remote areas of Mongolia

2018 WINNERS

AFRICA CARDIAC CARE ⚲ CAMEROON – Accesstocardiology exams and cardiac monitoring using amobile ECG

BLOOD SAFETY STRENGTHENING PROGRAMME ⚲ LESOTHO – A health information system to ensure blood-transfusion safety

GUINEA EPILEPSY PROJECT ⚲ REPUBLIC OF GUINEA – Access to EEG diagnostics through a mobile platform and EasyCap

MOSQUIT ⚲ INDIA – Fighting malaria with mobile monitoring

OPERATION ASHA ⚲ CAMBODIA – Mobile applications for screening, treatment adherence and alerts to fight tuberculosis

TRAUMALINK ⚲ BANGLADESH – A telephone network to organise first responders to aid road-accident victims

2017 WINNERS

AMAKOMAYA ⚲ NEPAL – A mobile application forpregnant women

COMMUNITY TELEHEALTH ⚲ NEPAL – A teledermatology service for remote villages

HOPE ⚲ SENEGAL – A digital platform to facilitate donating blood

KARANGUÉ ⚲ SENEGAL – An alert system to promote maternal and child health

KHUSHI BABY ⚲ INDIA – A connected pendant to improve infant immunisation

MIRA CHANNEL ⚲ INDIA — UGANDA — AFGHANISTAN – A mobile network forwomen's health in rural areas

MMOM THAI NGUYEN ⚲ VIETNAM – A mobile health programme designed forethnic minorities

PEEK VISION ⚲ BOTSWANA – Giving everyone accessto ophtalmic care

THE SAFE DELIVERY APP ⚲ ETHIOPIA – A continuing-education tool for safer births

2016 WINNERS

CONNECT +PHARMACY ⚲ PHILIPPINES – A medicine affordability program that connects patients to professionals

DJANTOLI ⚲ MALI — BURKINA FASO – Combining mobile technologies, health micro-insurance and preventive monitoring to fight against preventable deaths among young people

DOCTOR GRATIS ⚲ INDONESIA — NIGERIA — INDIA – Telemedicine without borders

E-DIABÈTE ⚲ CÔTE D'IVOIRE – Providing continuing education for healthcare-related human resources

GIFTEDMOM ⚲ CAMEROON – Using digital technologies to improve maternal and infant health careaccess

JOKKOSANTÉ ⚲ SENEGAL – The connected community pharmacy which combines the circular economy and cross-financing

MEDTRUCKS ⚲ MOROCCO – Facilitating access to care in medical deserts

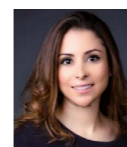**MOSAN** ⚲ BURKINA FASO – mHealth to improve the health of mothers, babies, and people living with HIV

OPISMS VACCIN ⚲ CÔTE D'IVOIRE – An app to increase vaccination coverage

The speakers

MR SAMIR ABDELKRIM,
Founder, StartupBRICS & EMERGING Valley, France
Samir Abdelkrim, an entrepreneur and consultant, is the French-speaking expert on African innovation. He is also a field expert in eHealth innovations for the Global South eHealth Observatory. Mr Abdelkrim is the founder of StartupBRICS and EMERGING Valley, the international summit on African innovation and emerging technologies that he began in Marseille after an in-depth exploration of African startup ecosystems. From 2014 to 2018, he travelled across Africa, delving into its innovations, and analysed the digital ecosystems of 25 African countries, an experience that generated a book, "Startup Lions", prefaced by Xavier Niel and Tidjane Deme. Mr Abdelkrim is also a columnist on African tech for *Le Point Afrique* and has covered African startups for other national publications, such as *Les Échos* and *Le Monde*.

MRS GHALIA BENABDELJELIL,
Executive Director, Saham Foundation, Morocco
Ghalia has over 10 years of experience in strategic consultings, project management and M&A operations. After graduating from HEC and École Polytechnique, Ghalia Benabdeljelil started her career Boston Consulting Group (Paris and Tokyo), where she worked on numerous missions for French and international companies to help them identify growth opportunities and define efficient organizational structures to serve their strategies. She then joined the Kering Group as Deputy Director of Strategy and Business Development, assisting the Group's CEO in the strategic management of all the Group's ready-to-wear and accessories brands. Ghalia later joined Saham Group with 3 responsibilities: Director of Strategic Projects, Chairman's Chief of Staff, and General Manager of the Saham Foundation. Within Saham, Ghalia has contributed to the various M&A operations that the Group has carried out in recent years (e.g. Sanlam's acquisition of Saham Finances, entry and exist of multiple investors in the shareholding of Saham Finances, Joint Venture with Bertelsmann, etc.). In 2019,

Ghalia co-founded Emerge Invest, a corporate finance consulting firm supporting its clients throughout their merger and acquisition operations. With its tried-and-tested expertise in Africa, Emerge Invest is uniquely positioned to provide business leaders and shareholders with a personalized guidance to carry out their development projects.

MR HERVÉ BERVILLE,
Member of Parliament and Economist, France
A graduate of Sciences Po Lille and the London School of Economics, Hervé Berville is a member of the Foreign Affairs Committee and spokesperson for the La République en Marche group at France's National Assembly. Commissioned by the French President of the Republic, he has authored a report on the modernisation of the policy of partnerships and international solidarity submitted to the Prime Minister in August 2018. In early 2019, he was appointed rapporteur for the programming bill on inclusive development and the fight against global inequalities. He previously served as an economist for the Agence Française de Développement and also worked at the Stanford Institute for Innovation in Developing Economies.

MR HANI ESKANDAR,
Senior Coordinator, Digital Services, International Telecommunication Union (ITU), Switzerland
Mr Eskandar is the Digital Services Senior Coordinator at the Digital Society Division of the Telecommunication Development Bureau of ITU. Mr Eskandar is currently involved in providing assistance to several developing countries by advising on digital applications and services strategies and policies, assisting in implementing technical co-operation projects in areas of digital health, agriculture, governance and education. He has led the development of several guidelines and best practices reports on digital applications particularly on digital Health, digital Agriculture and digital Government. Mr Eskandar is currently leading

The speakers

major joint programmes with WHO on digital health as well as leading other collaborative activities with FAO and Unesco in the areas of digital Agriculture and Smart Learning. Mr Eskandar has more than 25 years of extensive on-the-ground experience in the field of ICT for Development where he, through working with the International Federation of Red Cross and Red Crescent in Switzerland and, UNDP, Ministry of ICT and other NGOs in Egypt, was involved in several development projects in the fields of Health, Education, Illiteracy Eradication, Community Development, SME development and Micro Credits. Mr Eskandar has an educational background in Electrical Engineering (Telecommunications) and has completed an MBA from McGill University, Canada and a Master Degree in Social and Economic Development Studies from University of Paris I, France.

MRS FLORENCE GAUDRY-PERKINS,
Founder, Digital Health Partnerships, France
Florence founded DHP -Digital Health Partnerships in 2016, a company focused on scaling digital health in lower-and middle-income countries. The organization advises governments, private sector, NGOs, investors and international organizations as well as nurtures multi-stakeholder partnerships. Her passion for digital health built over years working as International Director for Government Affairs for Alcatel-Lucent & Nokia where she helped build large-scale digital health initiatives in countries like Mexico and Senegal, bringing together pharma, health insurance, ICT private sector, government, multilaterals and civil society. She was also recently Head of Strategy & International Development for H4D, an innovative company based in France which has developed a next generation telemedicine booth. Over her career span, she started and ran two companies and comes with a solid international business development expertise as well as a propensity for strategic vision and thinking. One of her key skills and interest is building public/private partnerships for collective impact.

PR ANTOINE GEISSBUHLER,
Chief Medical Officer, Department of e-Health and Telemedicine, Geneva Hospitals Director, Réseau en Afrique Francophone pour la Télémédecine, Switzerland
Antoine Geissbuhler is Professor of Medicine, Director of the Division of eHealth and Telemedicine at Geneva University Hospitals and Vice Rector of the University of Geneva. He also heads the HUG Innovation Centre. An internist by training, he specialised in medical informatics at Vanderbilt University. Since 1999, he has headed the Medical Informatics Chair at the University of Geneva's Faculty of Medicine, recognised as a WHO collaborating centre. This former president of the International Medical Informatics Association is interested in the potential of digital tools for the global development of health systems. Since 2016, he has been responsible for the HUG Innovation Centre and, since 2018, has held the Unesco chair in Digital Medical Training. The author of more than 160 scientific publications in journals having editorial policies, his current research concerns designing new IT tools to improve the quality and efficiency of healthcare treatment processes. His research team, Hi5lab, focuses on the challenges of implementing and assessing the impact of digital health tools. This work applies at the local level of Geneva's healthcare system, at the national level in implementing the Swiss eHealth strategy, dovetailing with European projects, as well as at the international level, especially with regard to the development of a major telemedicine network connecting hundreds of health professionals in 20 African and Asian countries, the RAFT network (http://raft.network), which he directs.

MR PIERRE KEMPF,
Division Health and Social Protection, Agence Française de Développement, France
Pierre Kempf worked for several years with Médecins du Monde and La Chaîne de l'Espoir, both in the field and at the head office, before serving as a hospital director in France for a little over 15 years. He is currently the digital liaison in AFD's Health and Social Protection Division.

PR SLIM KHALBOUS,
Rector, Agence Universitaire de la Francophonie, France
Slim Khalbous is the newly elected Rector of the Agence Universitaire de la Francophonie, having taken office in mid-December 2019 for a four-year term with eligibility for a second term. He is a university professor with a Doctorate in Management Science, a DEA in Business Management and a DEA in Political Science from the University of Toulouse. He was Minister of Higher Education and Scientific Research in Tunisia between 2016 and 2019 while also serving as Interim Minister of Education. Having been a teacher for 25 years, he is currently a permanent professor at Tunisian universities and guest professor at several universities in France, Morocco and Lebanon. He was also Dean-Elect of HEC Tunis - University of Carthage from 2011 to 2016. He has published several articles in the fields of intercultural management, entrepreneurship and marketing communication. Mr Khalbous is a driving force behind projects in civil society and charitable causes and is the founder of two companies in strategic development, market research, communications and ICT.

DR CARL KINKADE
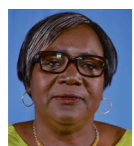**Centers for Disease Control and Prevention, Atlanta, USA**
Dr. Carl Kinkade is a Health Scientist in the Center for Global Health at the Centers for Disease Control and Prevention. Dr. Kinkade is a member of the CDC COVID-19 International Task Force focusing on digital tools to support countries from across the globe. Dr. Kinkade is also a CDC first responder and has deployed to support outbreaks and humanitarian events including using mobile data collection in Haiti after the earthquake, assessing smart phone use in Kenya, and integrating GPS coordinates into assessments in Myanmar after Cyclone Nargis. He deployed numerous times to Liberia for Ebola before moving there and living there for three years to assist the Ministry of Health and Liberia to develop their health information system, and develop their eIDSR. Prior to the Ebola outbreak, he worked in Global Disease Detection where he worked from China to South America, about 50 countries, on building capacity and providing technical assistance to Ministries of Health. Before coming to CDC, Dr. Kinkade worked in local and state health and served in the US Peace Corps in the Philippines. In addition, he has taught at Georgia State University, taught GIS in Afghanistan for GIS Corps, and coached youth sports. He has an undergraduate degree in Architecture, graduate degree in Urban Planning, and a doctorate in Public Health.

The speakers

MRS JULIE LANCKRIET,
Executive Director, StartupBRICS, Nigeria
Julie Lanckriet is an author and journalist on African economics and innovation issues and Executive Director at StartupBRICS and EMERGING Valley. With more than thirteen years of experience on the African continent, Ms Lanckriet has worked for a variety of institutions, such as the French Ministry of Foreign Affairs and the European Union. She began her professional career in Paris with the Ministry of Defence Innovation Laboratory before moving to Nigeria, where she has lived for three years. After serving as Tech Project Manager for the French Embassy in Abuja, where she gradually developed a solid network within the local digital ecosystem, she joined StartupBRICS, from Lagos, to oversee the editorial line and lead field missions. Today, she works alongside StartupBRICS' founder, Samir Abdelkrim, on all of the group's projects with the objective of generating greater exposure for African Tech, supporting its entrepreneurs and boosting their social impact.

PR LÉONIE CLAUDINE LOUGUÉ SORGHO,
Minister of Health, Burkina Faso
Dr Léonie Claudine Lougué Sorgho is a university hospital radiologist and a Professor of Radiology, Medical Imaging and Radiodiagnostics. She was Director of the Research and Training Unit in Health Science at Ouaga I Joseph Ki-Zerbo University in Burkina Faso from 2015 to 2019 and member of the jury of the 18th and 19th Human Medicine, Pharmacy, Odontology, Veterinary Medicine and Animal Production aggregation competitions at CAMES. Dr Lougué Sorgho teaches Radiology, Medical Imaging and Radiodiagnostics at Ouaga I Joseph Ki-Zerbo University and supervises medical and specialisation students. She is also Director of the Unesco Chair "Gender, Women, Sciences, Society and Sustainable Development" of universities, institutes and research centres, Head of the Radiology and Medical Imaging Department and Director in charge of University Hospital Planning and Cooperation at the Centre Hospitalier Universitaires Pédiatrique (CHUP) Charles De Gaulle.

Dr Lougué Sorgho is also a member of several academic and learned societies: the evaluation group of the International Conference of Deans of Faculties of Medicine of French Expression (CIDMEF) and member of the Board and the Board of Directors of that conference, African Conference of the Deans of Faculties of Medicine of French Expression (CADMEF), of which she is the General Treasurer, and the Burkinabe Society of Radiology and Medical Imaging (SOBURAD), as a founding member and Treasurer.

MR DERRICK MUNEENE,
Head of Unit, Capacity Building and Collaboration in Digital Health, World Health Organization, Switzerland
Mr. Derrick Muneene is the Unit Head of the Capacity Building and Collaboration Team of the Digital Health and Innovation Department at WHO Headquarters, Geneva. He has 22 years of progressive experience in public health informatics, digital heath literacy, digital health capacity building and project management. He has a computer science and public health background, with two masters degrees in information systems management and public health policy, along with various project management certifications such as PRINCE2 and project+. Previously, he served as mHealth and eHealth technical officer for the WHO regional office for Africa where he supported 47 countries with the adoption of eHealth strategies and eHealth solutions. Before this, he served with the US Centers for Disease Control and Prevention as acting branch chief for Health Informatics and Health Systems Analysts / Health Applications Manager. Mr. Muneene is a dynamic and visionary digital health expert. His key focus areas in the field of digital health include digital health policy, regulations and services, including telehealth, electronic health records, capacity building and digital health standards. He has supported several countries in setting digital health strategies, solutions and services, including smartcard based solutions, multitiered software architectures, data standards and interoperability, competence based frameworks for health workforce and digital health maturity models.

DR BOUKARY OUEDRAOGO,
Director, Health Information Systems, Ministry of Health, Burkina Faso
A Diplômé d'État with a Doctorate in Medicine, Mr Ouedraogo holds a Master's degree in Public Health, specialising in assessment and engineering of health information systems, and a Doctorate in Public Health, specialising in medical informatics/epidemiology from the University of Aix-Marseille. For a number of years he held positions of responsibility at the Ministry of Health (Chief Physician of the Samandin Medical Centre, Chief Physician of the Baskuy health district) and academic and charitable institutions (junior researcher at University of Aix-Marseille, Executive Vice President of the Jeune Chambre Internationale Ouaga Soleil, Deputy Secretary General of the Ouagadougou Order of Physicians). He teaches the Biomedical Computer System course at the Health Sciences Training and Research Unit at the University of Ouagadougou. Mr Ouedraogo sponsors and coordinates a Master's degree in Public Health with specialisation in Medical Informatics and Data Science (MIDS), and a university degree in Health Data Management and Analysis. Currently, he is the Director of Health Information Systems at the Burkina Faso Ministry of Health with the following responsibilities: coordinating implementation of IT functions and solutions as applied to health; designing and coordinating implementation of the national health information system; coordinating the design, development, implementation and maintenance of Ministry of Health applications; and creating and managing the operating systems of the Ministry of Health's databases.
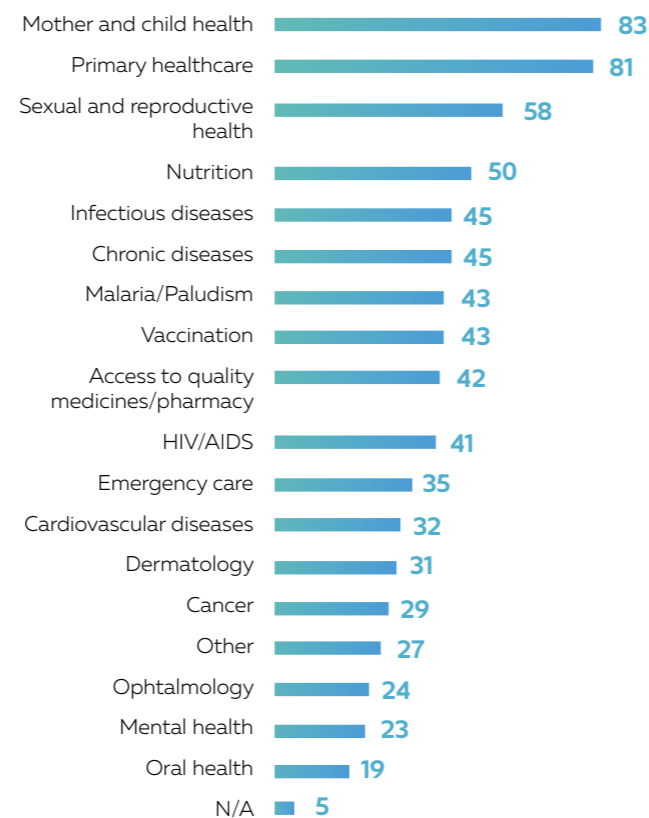
DR I-MING PARNG,
Director General, Department of Information Management, Ministry of Health and Welfare, Taiwan
I-Ming Parng was appointed by Minister Chen as Director General of Department of Information Management in October 2017, which was a chief officer for IT facilities, application software, data governance, and cybersecurity in the Ministry of Health and Welfare. In February 2015, Dr. Huang, the Director General of Administration of National Health Insurance, appointed Mr. Parng to serve as the Director of Department of Medical affairs. The department planned and designed the payment and reimbursement system for all medical claims under national health insurance. He has more than 20 year experiences in Taiwan's national health insurance, from initiation period to become the most important icon of Taiwan in health field, participated in design and implement of the payment system, review system, reimbursement system and global budgeting. From July 2001 through Sep. 2003 Mr. Parng served as the Division Chief of Ambulatory Claim Process in Taipei Branch of BNHI. In May 2003, SARS outbreak occurred in Taipei. He was recruited by the commander of anti-SARS task-force to take charge case define and patient bed allocation and to assist epidemic information collection. Mr. Parng is a graduate and MPH of Department of Public Health of National Taiwan University.
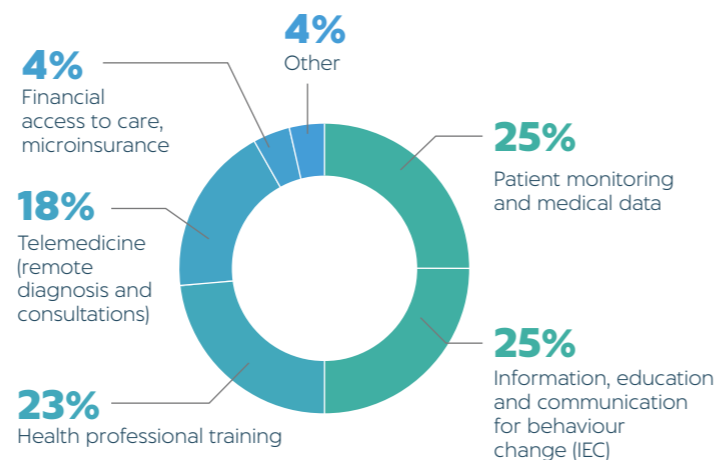
THE GLOBAL SOUTH EHEALTH OBSERVATORY

On its website, **www.odess.io**, the Observatory provides access to its database documenting more than 160 digital-health projects. These initiatives have been identified, documented and listed because their objective is to use technology to improve the health of the most disadvantaged populations. Some of the ways this is accomplished is through facilitating initial and continuing training of healthcare professionals through online distance learning, educating and raising awareness through mobile technologies, and tele-expertise. Each autumn, the Observatory launches a call for entries for awards and subsequently recognises the most promising initiatives, which the Fondation Pierre Fabre then supports for one year. Since 2016, 34 initiatives have received awards and support.

A scalable database to identify and support high potential solutions.

International conferences to bring together those working in EHealth.

Support for award winning initiatives that are transforming healthcare access in the Global South.

More information
www.odess.io

ABOUT THE PROJECTS OF THE EHEALTH OBSERVATORY

Category	Value
Mother and child health	83
Primary healthcare	81
Sexual and reproductive health	58
Nutrition	50
Infectious diseases	45
Chronic diseases	45
Malaria/Paludism	43
Vaccination	43
Access to quality medicines/pharmacy	42
HIV/AIDS	41
Emergency care	35
Cardiovascular diseases	32
Dermatology	31
Cancer	29
Other	27
Ophtalmology	24
Mental health	23
Oral health	19
N/A	5

FIELDS OF APPLICATION

- **4%** Other
- **4%** Financial access to care, microinsurance
- **18%** Telemedicine (remote diagnosis and consultations)
- **23%** Health professional training
- **25%** Patient monitoring and medical data
- **25%** Information, education and communication for behaviour change (IEC)

THE OBSERVATORY EXPERT COMMITTEE

- **Gilles Babinet,** Serial entrepreneur and Digital Champion for the European Commission, he is also Associate Professor at Sciences Po university, author and Vice President of France's National Digital Council.
- **Cheick Oumar Bagayoko,** Associate Professor in Medical Informatics, Director of the Center of Expertise and Research in Telemedecine and eHealth (CERTES) and General Coordinator of the Telemedecine Network in French-Speaking Africa (RAFT). Since 2019, hehas been overseeing the eHealth interuniversity diploma supported by the Fondation Pierre Fabre.
- **Mehdi Benchoufi,** Physician and Assistant Professor in Clinical Epidemiology at the Hôtel Dieu, Mehdi Benchoufi is a member of the Scientific Council of the APHP Medical Research Foundation. He is also an expert in digital technologies and founder of the think-tank known as the Club JADE.
- **Jean-Luc Clément,** University Professor who is Research Advisor at the Delegation for European and International Relations and Cooperation (DREIC) of the Ministry of National Education, Higher Education and Research.
- **Demba Diallo** is a founding partner of Innhotep, a consulting firm that fast-tracks growth foritsclients'businesses using technological and management innovations.
- **Boukary Ouedraogo,** is a public health medical doctor specialized in health information systems and epidemiology. He is Director of Health Information Systems for the Ministry of Health of Burkina Faso.
- **Catherine de Rohan Chabot,** Pharmacist specialising in communications in the healthcare sector.
- **Jai Ganesh Udayasankaran,** Digital-Health expert and member of the Governing Committee and Working Council of the Asia eHealth Information Network (AeHIN).

THE FOUNDATION IS GRATEFUL TO ALL OUR PARTNERS

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FONDATION PIERRE FABRE

Recognised as being of public utility

ABOUT THE FONDATION PIERRE FABRE

The Fondation Pierre Fabre was awarded charitable status in 1999 and has been working in the public interest since that time to give people in the Global South better access to medicines and quality healthcare.

Its five areas of intervention are the training of drug specialists, combating sickle-cell disease, access to primary quality healthcare, eHealth and dermatology. As of 2020, the Foundation is operating more than 30 programmes in 20 countries in Africa, Southeast Asia, the Middle East and Haiti.

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www.odess.io — www.fondationpierrefabre.org

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THE GLOBAL SOUTH

FONDATION PIERRE FABRE

EHEALTH OBSERVATORY

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