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University Networks on the Front Lines for Community Engagement and One Health Innovation

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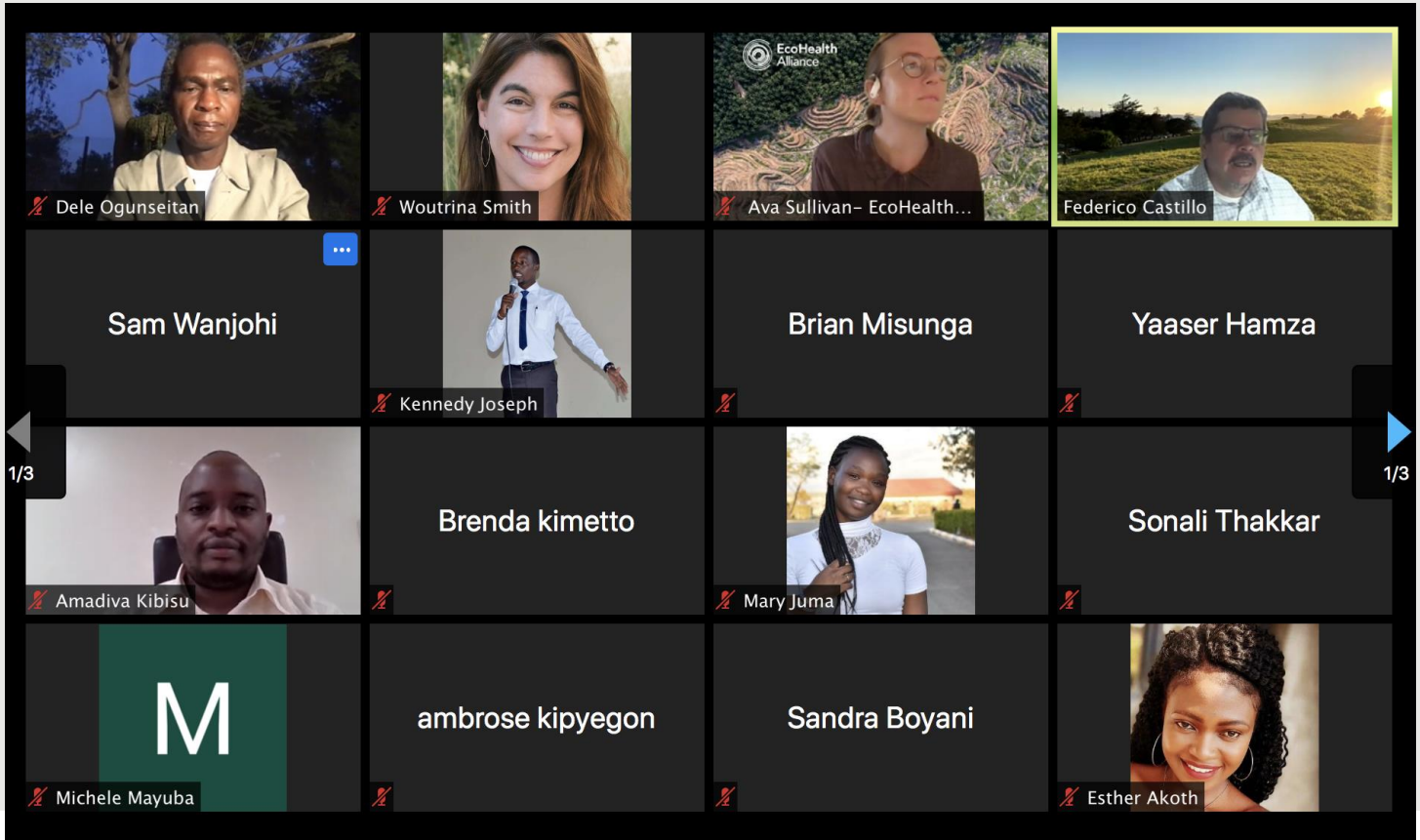
UCDAVIS One Health Institute School of Veterinary Medicine
AFROHUN Advancing One Health
SEAOHUN Southeast Asia One Health University Network
EcoHealth Alliance
Ata Health Strategies
ICAP Columbia University Mailman School of Public Health
Berkeley University of California
Project ECHO
UCI University of California, Irvine

What if you were just a phone call or email away from talking with colleagues on every continent?

What if your students were in class regularly with students based in other countries?

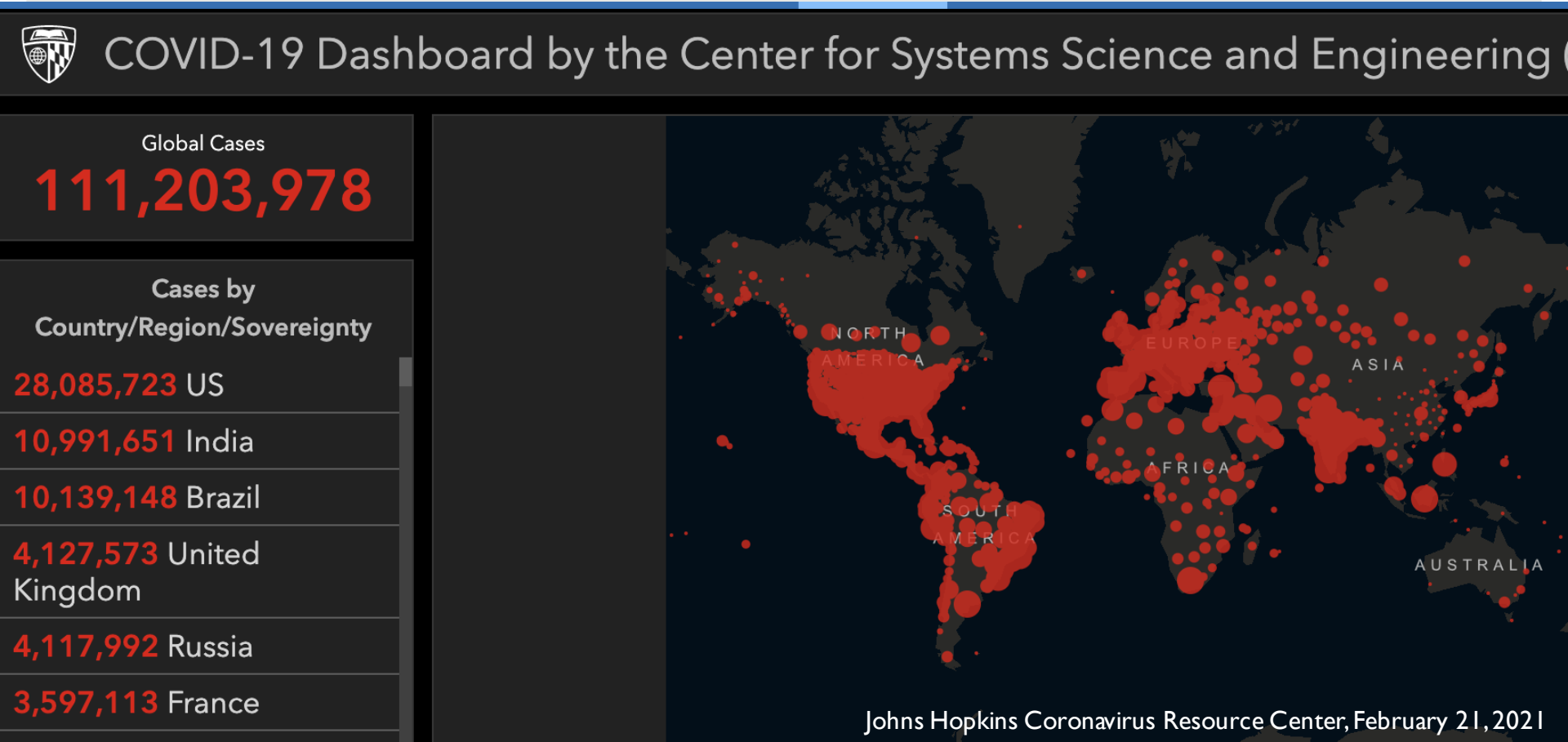


What if we had more competitions for students crafting innovative One Health solutions?

What if team-based problem solving was the norm?

What if finding and working with colleagues from government, academia, and the private sector was easy?

COVID-19 pandemic is a wake-up call



A One Health approach considers connections among humans, animals, plants, and their shared environments

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One Heath Workforce – Next Generation Project 2019-2024, $85m

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OHW-NG Goal

Empower One Health university networks to sustainably develop and deliver world-leading model programs for equipping professionals with transdisciplinary skills to address complex global health issues.

The USAID One Health Workforce - Next Generation Project supports SEAOHUN, AFROHUN, and the member universities in:

WORKFORCE EMPOWERMENT:

DEVELOP AND DELIVER TRAININGS IN ALIGNMENT WITH PRIORITIZED ONE HEALTH CORE COMPETENCIES AND TECHNICAL SKILLS

KNOWLEDGE MANAGEMENT:

ESTABLISH SYSTEMS AND STRATEGIES TO EVALUATE PERFORMANCE AND TRACK WORKFORCE PLACEMENTS

ORGANIZATIONAL SUSTAINABILITY:

STRENGTHEN CAPACITIES OF THE REGIONAL ONE HEALTH UNIVERSITY NETWORKS FOR ACQUISITION AND MANAGEMENT OF DIRECT DONOR FUNDING

GENDER:

SUPPORT GENDER INTEGRATION AS A CORE COMPETENCY AND INCLUDE GENDER CONSIDERATIONS AS A CROSS-CUTTING THEME

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SEAOHUN
Southeast Asia One Health University Network

SEAOHUN

SOUTHEAST ASIA ONE HEALTH UNIVERSITY NETWORK

OUR NETWORK

87
MEMBER UNIVERSITIES

28
ONE HEALTH STUDENT CLUBS*

8
COUNTRIES

200
INDIVIDUALS REACHED VIA COVID-19 RCCE ACTIVITIES

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AFROHUN

AFRICA ONE HEALTH UNIVERSITY NETWORK

OUR NETWORK

18
MEMBER UNIVERSITIES

16
STUDENT ONE HEALTH CLUBS

9
COUNTRIES

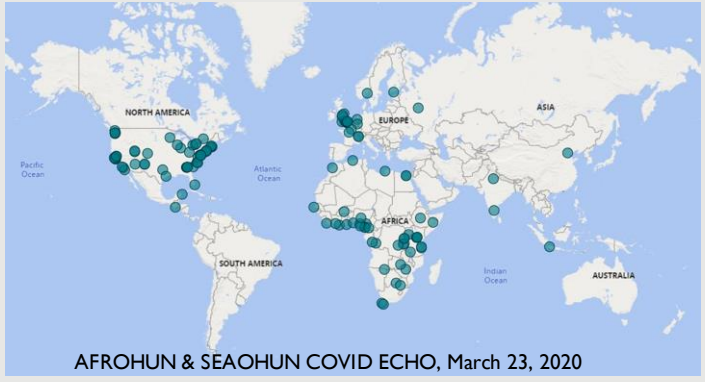
1,043
INDIVIDUALS REACHED VIA RCCE ACTIVITIES RELATED TO COVID-19

Personal protective equipment, distancing, and group size standards in this video were consistent with local public health guidance and COVID-19 status in the specific country and time it was taken. This may not reflect best practices for all locations where COVID-19 is still spreading.

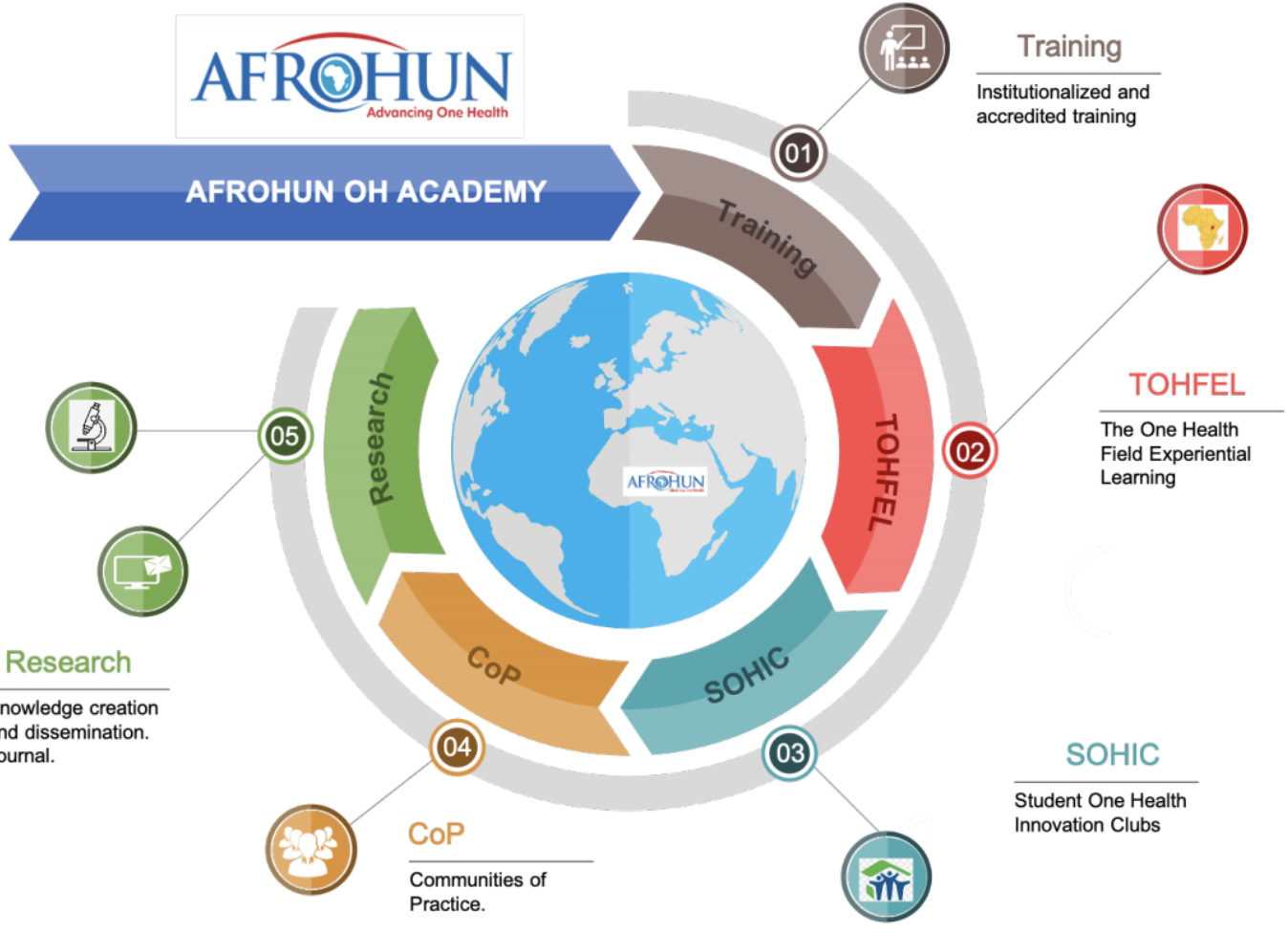
Building a Global One Health Community of Practice

Interactive COVID-19 ECHO online sessions

Sharing experiences and best practices around the world



AFROHUN & SEAOHUN COVID ECHO, March 23, 2020


AFROHUN
Advancing One Health
AFROHUN OH ACADEMY
Training
TOHFEL
SOHIC
CoP
Research
01
02
03
04
05
Training
Institutionalized and accredited training
TOHFEL
The One Health Field Experiential Learning
SOHIC
Student One Health Innovation Clubs
CoP
Communities of Practice.
Research
Knowledge creation and dissemination. Journal.

AFROHUN

Welcome to **Africa One Health University Network (AFROHUN)**, formerly **One Health Central and Eastern Africa (OHCEA).**

RWANDA

The country has obtained robots that will be used by Ministry of Health and especially (but not limited to) COVID-19 quarantine centers. These robots will be used to monitor patients' temperatures, distribute medicine, food and other supplies in order to reduce as much as possible direct contact between patients and health attendants.

Some of the robots that have been brought in to reduce contact between patients and health workers

Training of the voluntary service providers

OHCEA – Ethiopia facilitates creation of country-wide SOHIC through Telegram

The newly-established Ethiopian Students One Health Innovations Club (E-SOHIC) Telegram group which is being guided and hosted under the umbrella of OHCEA- Ethiopia is now very active. So far the group has 3250 members

Training the Next Generation of One Health Leaders

APPLIED INNOVATIONS IN E-LEARNING TO EXTEND TRAINING OPPORTUNITIES IN THE CLASSROOM AND THE FIELD

- Teams used online platforms to continue teaching and training in the face of COVID-19
  - Platforms used for classroom instruction and field-based experiential learning

Training the Next Generation of One Health Leaders

STUDENTS OBTAINED HANDS-ON TRAINING ON THE FRONTLINES OF THE COVID-19 RESPONSE THROUGH STUDENT ONE HEALTH CLUBS

- Student One Health Clubs led COVID-19 risk communication and community engagement campaigns

Training the Next Generation of One Health Leaders

STUDENTS GAINED REAL-WORLD EXPERIENCE WORKING WITH COVID-19 RESPONSE TEAMS THROUGH FELLOWSHIPS AND INTERNSHIPS

5
One Health Fellows

- Uganda FAO, Amref Health Africa, Infectious Disease Institute, and Ministry of Health
- Put knowledge and skills in outbreak response, communication, and leadership into practice

6
One Health Interns

- DRC Ministry of Health
- Gained experience in COVID-19 surveillance, contact tracing, and case investigation

Training the Next Generation of One Health Leaders

STUDENTS ENGAGE COMMUNITIES ON COVID-19, PROMOTE RISK-REDUCING BEHAVIOR THROUGH DIGITAL PLATFORMS

– Ainaa, COVID-19 Digital Awareness Challenge, One Health Student Competitor, Universiti Sultan Zainal Abidin, currently in her 4th year of Bachelor of Animal Production & Health.

> *"We learned to be opened minded to the opinion of others, to collaborate with each other. We also learned a lot about COVID-19 and how to influence others through on-line platforms."*

- Estungkara team, COVID-19 Digital Awareness Challenge, One health Student Competitor.

Training the Next Generation of One Health Leaders

Vietnamese lecturer Tuyen Ha Van received **fellowship support**, gaining hands-on experience with International Livestock Research Institute (ILRI)

Offered **6 scholarships** to health professionals in pursuit of master's degrees incorporating One Health

Awarded **small grants to 8 projects from 7 countries**: Cambodia, Indonesia, Malaysia, Myanmar, Philippines, Thailand, and Vietnam

ONE HEALTH CHAMPION

PROFESSOR DATO' Dr. ABDUL RASHID KHAN

Head of the Department of Public Health Medicine at the RCSI (Royal College of Surgeons in Ireland) and UCD (UC Dublin) – Malaysia Campus in George Town.

"I was content working alone with Indigenous people in Malaysia before becoming involved in the Malaysian One Health chapter -- since I started working within the One Health Workforce – Next Generation group, I have now realised how much more rewarding it is working with a group of people with different professional backgrounds. It is rewarding not only for my personal development but also to the Indigenous people we work with. I have benefited so much from this experience and now I take every opportunity to remind others how rewarding it is and how much easier it is to accomplish goals when you work in a multidisciplinary One Health team."

ONE HEALTH CHAMPION

KABASINGA INNOCENTE

Student, SOHIC Coordinator, University of Rwanda

"Rwanda is adopting a new strategic plan envisioning to promote and strengthen interdisciplinary collaboration and partnerships in a One Health approach and strengthen surveillance, early detection, rapid response, prevention and control of zoonoses, antimicrobial resistance and other public health threats. Furthermore, the One Health Strategic plan will build capacity and promote applied research at the human-animal-ecosystem interface."

46

MENTORED STUDENT ONE HEALTH CLUBS

9

AFROHUN COUNTRY CHAPTERS

8

SEAOHUN COUNTRY NETWORKS (OHUNs)

51

ACTIVITIES INCREASING CAPACITY TO RESPOND TO COVID-19

2

SECRETARIATS

7

GLOBAL TEAM PARTNERS

22,569

INDIVIDUALS TRAINED

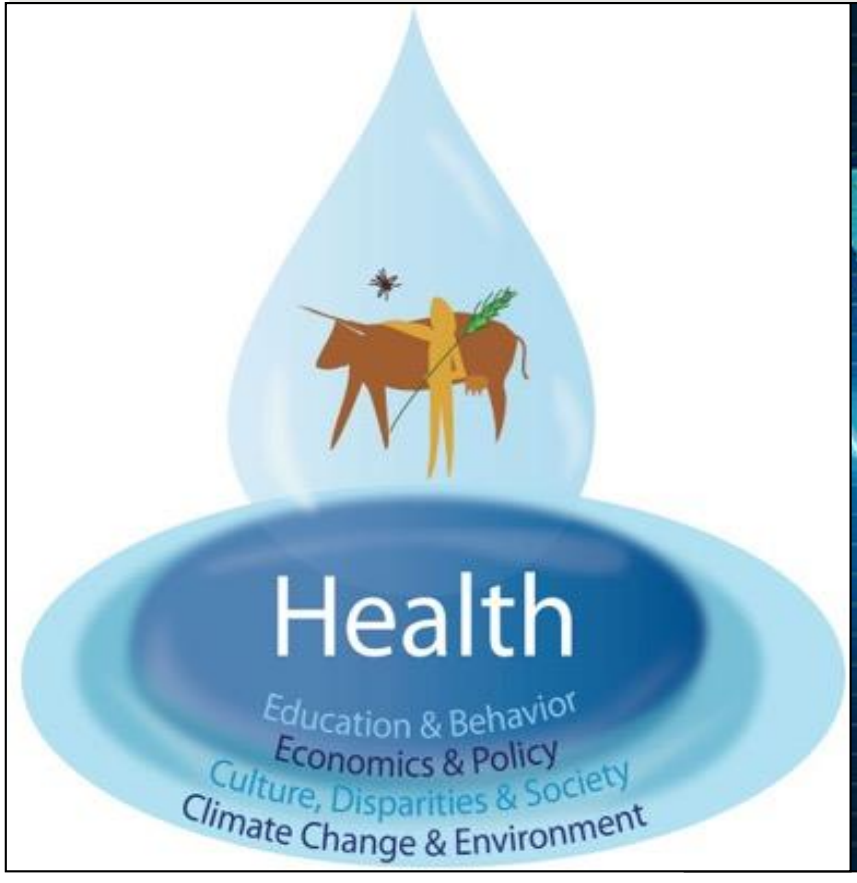
3

GLOBAL OBJECTIVES

12

STRATEGIES

One Health puts technical knowledge into social contexts



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NEXT GENERATION
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