

GF-TADs

GLOBAL FRAMEWORK FOR THE
PROGRESSIVE CONTROL OF
TRANSBOUNDARY ANIMAL DISEASES

Africa



Food and Agriculture
Organization of the
United Nations



World Organisation
for Animal Health
Founded as OIE

African
Union 



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CBPP



Presentation of the Regional Network of CBPP Laboratories: **ERFAN**

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«G. Caporale», Teramo – Italy

8 June 2023



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ERFAN

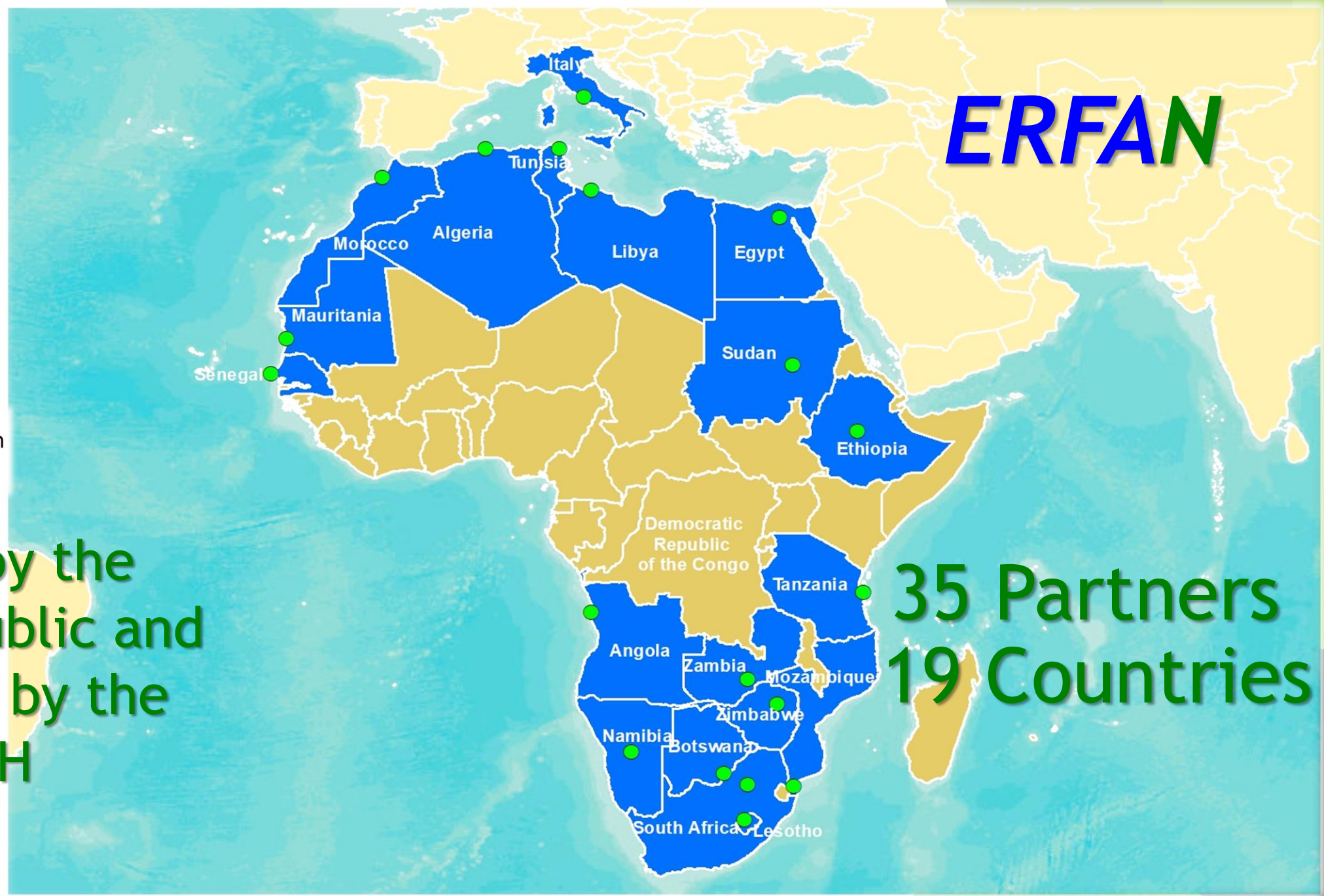


Ministero della Salute



World Organisation
for Animal Health
Founded as OIE

Funded by the
Italian Republic and
supported by the
WOAH



35 Partners
19 Countries

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ERFAN

The network was established in 2017, in Teramo, when historical IZSTE African Veterinary Institutions partners decided to join forces to provide common responses to global challenges



1. Animal welfare
2. Food Hygiene
3. Vector born diseases, in particular Mosquitos and Culicoides
4. **Contagious Bovine Pleuropneumonia and Contagious agalactiae**
5. Brucellosis
6. Anthrax
7. Bovine tuberculosis
8. Transmissible Spongiform Encephalopathies
9. Project Design for International Cooperation



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African Collaborations



12 Partners
11 Countries
2 WOAHL
1 WOAHL TP

Approach

PILLAR 1

Improving diagnostic capacities through networking activities (through SOPs sharing, PT organization, production of reference materials, information and data sharing)

PILLAR 2

Capacity building through training and sustainable technology transfer

PILLAR 3

Capacity building through research programs

Based on the needs and priorities identified by the partners, in collaboration with the countries' Veterinary Services and the WOAHI regional offices in Tunis and Gaborone



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What **ERFAN** is doing

SUPPORTING DIAGNOSTIC CAPACITIES

(SOPs sharing, Production of reference materials, PT organization, Information and Data sharing)

THROUGH NETWORKING ACTIVITIES



CBPP:

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P 1. Supporting CBPP diagnostic capacities

14 SOPs and Working Schemes,
concerning CBPP, shared between
partners using ERFAN website

*These activities, carried out according to the international
WOAH standards, are essential to improve quality,
uniformity and reliability of analyses methods and results*



P 1. Supporting CBPP diagnostic capacities

**Reference Materials Production:
CFT Antigen, Positive and Negative
Reference sera produced by
BNVL/WOAH CBPP RL**

*These activities, carried out according to the international
WOAH standards, are essential to improve quality,
uniformity and reliability of analyses methods and results*



P 1. Supporting CBPP diagnostic capacities

Proficiency tests organisation:

- CFT organised by the WOAHA RL at BNVL, Gaborone-Botswana
- In 2023
- CFT and PCR will be organised by the WOAHA RL at BNVL, Gaborone-Botswana
- PCR will be organised by the WOAHA RL at IZSTE, Teramo-Italy



P.1 WG Meetings

- **39 Online WG meetings,
255 participants**
- **12 Onsite WG meetings
146 participants**



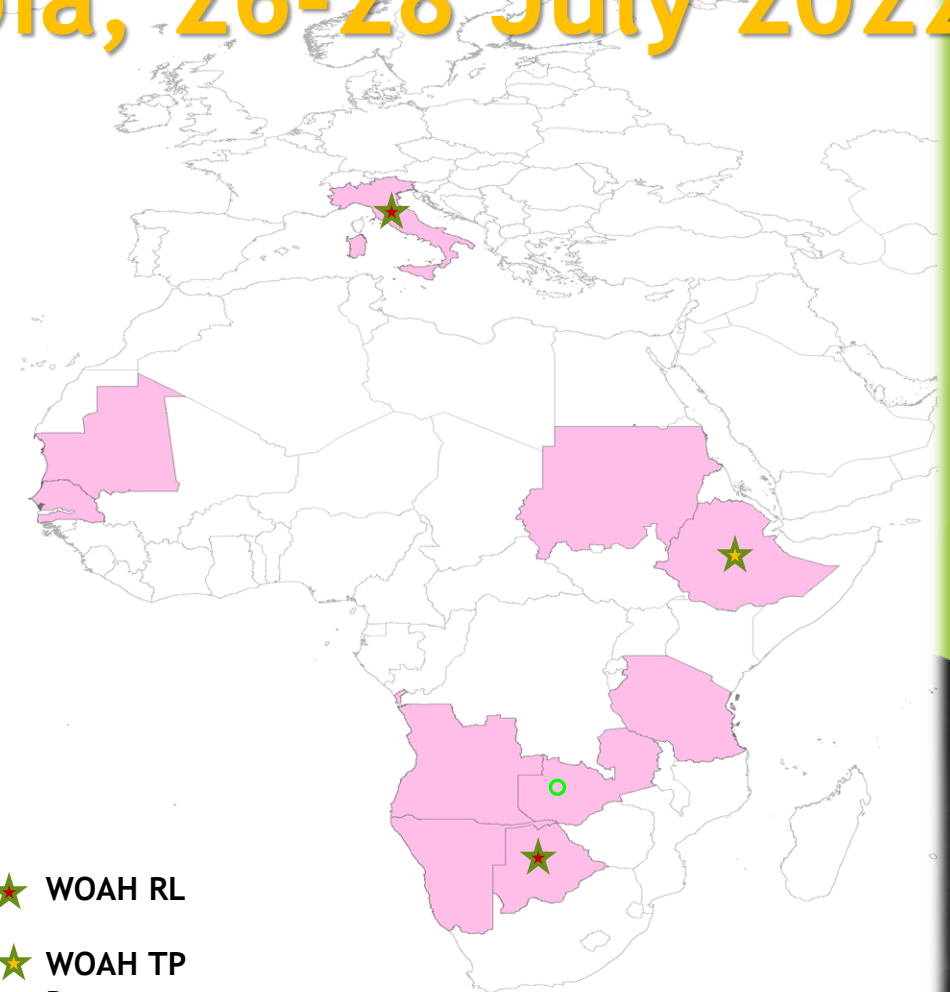
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CBPP Northern and Southern Africa WGs meeting CVRI, Lusaka-Zambia, 26-28 July 2022



26 participants, 12 Veterinary Institutions,
9 African countries and Italy, 2 WOAHL for
CBPP



- ★ WOAHL
- ★ WOAHL TP Partner

➤ CBPP Fora 2023

To make more interactive and informative the event by using eight online fora to address pertinent topics and subtopics of CBPP.

Each forum will take 2 hours: one hour for the speakers/co-leaders to give a concise introduction to the assigned topic, while the second hour will be an interactive discussion with the participants.

The attendees would come from different backgrounds. These could include veterinarians and other scientists from National Vet Labs, Faculties of Vet Scien and field-abattoirs vets and technicians.



SGE1 P.2 Capacity Building through Training and CBPP

Sustainable Technology Transfer



- Online training courses and information days named “**Dialogues**” (in synchronous and asynchronous mode)
<https://erfan.udanet.it/>
- On-the-job training programs

The training courses have been organised according to ERFAN working groups and partners needs, with the support of local expertise and the WOAHL RL & CC



e-Learning PLATFORM

ERFAN Community

Join our **COODs** (Cooperation Open Online Dialogues)

ERFAN Dialogues are the strategic platform to improve interdisciplinary discussions in Veterinary Science and Food Security between Africa and Italy.

Dialogues are a method to communicate science using information transfer and exchange of knowledge between scientific experts. The aim is to stimulate a broader interest in research and development and deepen the understanding of various topics from a global point of view through interacting. Vocational training opportunities are available in synchronous and asynchronous mode.

Async dialogues



[Find out more about asynchronous dialogues](#)

Sync dialogues



[Find out more about synchronous dialogues](#)

P.2 Online Dialogues

38 training courses organized

21 scientific topics

127 training days

455 hours

81 teachers

2320 participants

29 countries



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P.2 Online Dialogues: Topics

Topics covered: *Animal welfare; Animal diseases (Contagious agalactiae, Contagious Bovine Pleuropneumonia and other Mycoplasmosis); Zoonosis (Anthrax, Brucellosis, Q Fever, Rift Valley Fever, Sars-CoV-2, Bovine Tuberculosis) and microorganisms causing Foodborne infections (Listeria monocytogenes, Salmonella spp., Klebsiella pneumoniae); Antimicrobial resistance; Next generation sequencing; Bioinformatics; Organization and management of Proficiency tests; Scientific article writing; Library research in veterinary and public health; Project design for international cooperation*

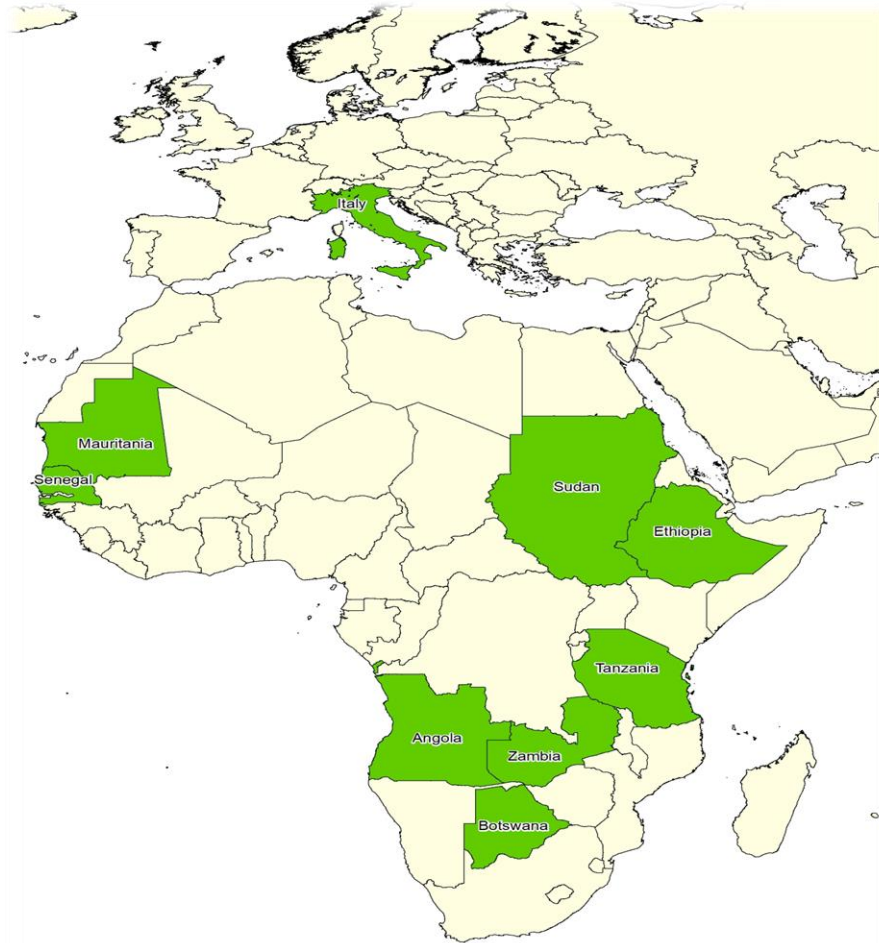


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P.2 CBPP CFT Antigen production and WG meeting BNVL, Gaborone-Botswana, 5-9 June 2023

**13 participants,
9 Veterinary
Institutions,
8 African countries
and Italy,
2 WOH RL for CBPP**



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P.2 Sustainable technology transfer

Chemistry



Satellite data



WGS and
Bioinformatics
support



Source: spacenews.com

P.3 Research programs

- ❖ 1 MSc funded: on *Mmm* and AMR
- ❖ 2 Research proposal Projects presented by BNVL-Botswana and AHI-Ethiopia



Various channels were developed:

- 3 web platforms <https://www.erfan.it>
- 2 social network profiles
- Information materials
- 4 video informative pills
- Newsletter (twice monthly)
- Partner interviews (9 Institutional partners)

ERFAN Secretariat participated as speaker or auditor in 16 events



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ERFAN II



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**ERFAN; Second Phase project
proposal was submitted to WOAH
for funding**



P. 4 Long-term objective: new Pillar?

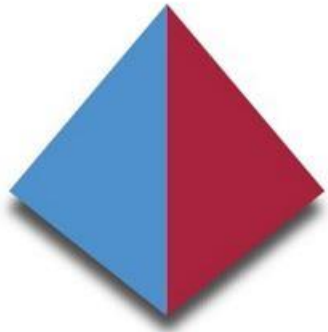
e-Health tools for Tele diagnosis (Post-mortem exam, Bacteria colonies morphology, etc.), to be used by National veterinary services and laboratories:

- ❖ Lab and Abattoir online Training;
- ❖ e- Manual for sampling collection in the field, abattoir and lab;
- ❖ EVA project.





Thank you!



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