



GLOBAL AGENDA FOR
SUSTAINABLE LIVESTOCK

WWW.LIVESTOCKDIALOGUE.ORG



**GASL
WEBINAR
SERIES**

Antimicrobials in livestock: from scrutiny to action in low-income countries

Organized by the Livestock Antimicrobial Partnership LAMP-network

17 November 14.00 - 16.10 CET Online seminar



Veterinari
Senza
Frontiere



VSF INTERNATIONAL
VÉTÉRINAIRES
SANS FRONTIÈRES

West Africa, past and present challenges about AMR: the misuse of antibiotics in cattle, small ruminants and camels

Marta Carminati – DVM - MRCVS
GS - Veterinari Senza Frontiere Italia
VSF International Network
Italian Representative in West Africa region

Tiris Zemmour Region, Mauritania 2017

WHO WE ARE AND WHAT WE DO?

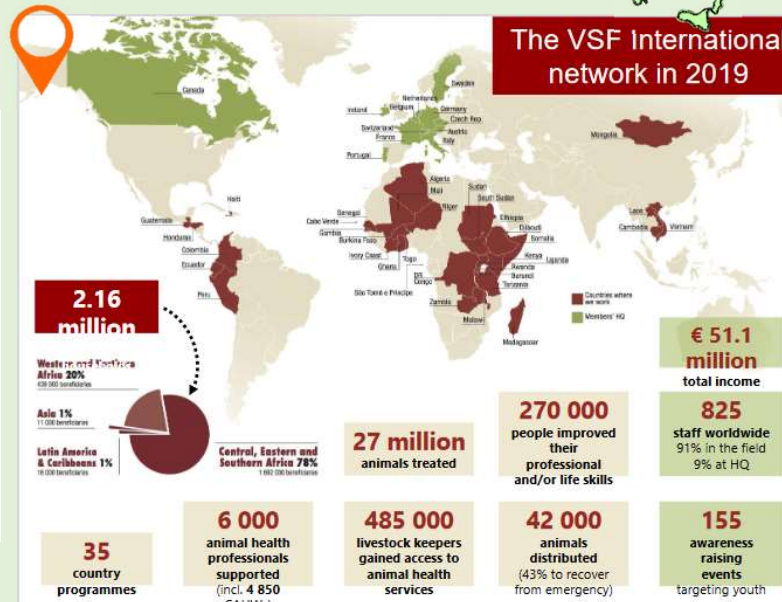


Brussels
VSF is an international network of 12 non-profit organizations

Our members



The VSF International network in 2019



Vision



Healthy animals as one of the conditions for improved human health, sustainable livelihood strategies, food and nutrition security and well-being of vulnerable populations.

Mission

Reduce poverty, contribute to food and nutrition security and improve the livelihoods and well-being of vulnerable populations by supporting smallholder farmers and livestock keepers, promoting food sovereignty and implementing the One Health approach.

Coordination in the Field

✓ PRINCIPLES OF COLLABORATION IN THE FIELD Adopted in 2019

Great Horn of Africa

 **Joint Regional Strategy**
VSF Suisse – VSF Germany
(Adopted in May 2019)

West Africa

 **Workshop VSF Belgium –**
VSF Suisse – AVSF – VSF
Canada – VSF Italy
(September 2019)
...Towards a joint regional strategy

AND RESEARCH

PARTNERSHIPS & NETWORKS



Ecole Inter-Etats des Sciences
et Médecine Vétérinaires de
Dakar (EISMV)

*Cooperation agreement
signed in Feb.2020*



GLOBAL AGENDA FOR
SUSTAINABLE LIVESTOCK

- GASL guiding group and NGO cluster
(recently: new Chair S. Tarawali/ILRI)
- Action network Livestock for social Development
(workshop at IFAD, Dec. 2019)
- Action network Anti-Microbial Resistance



Agriculture Working Group
→ sub-group Livestock
*Approval of membership
application in progress*



OUR ONE HEALTH APPROACH IN THE FIELD

Working towards a more sustainable and durable World, by giving people and animals the CORE VALUE they have in all societies all-over the world



DIFFERENTS PROJECTS ABOUT:

- FOOD SECURITY & SAFETY
 - PASTORALISM
 - SMALL FARMING
 - ANIMAL HEALTH
 - ZONOSIS
 - SUPPORT OF LOCAL VETERINARY SYSTEM
 - ANIMAL BY-PRODUCTS PRODUCTION
- “FROM FARM TO FORK APPROACH”



VSF INTERNATIONAL'S GLOBAL STRATEGY TOWARDS 2025

Healthy people

Healthy animals

Healthy environment



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AMR – THE WEST AFRICAN CASE

OUR METHOD

THE PARTICIPATIVE AND HEALTH RISK APPRAISAL APPROACH

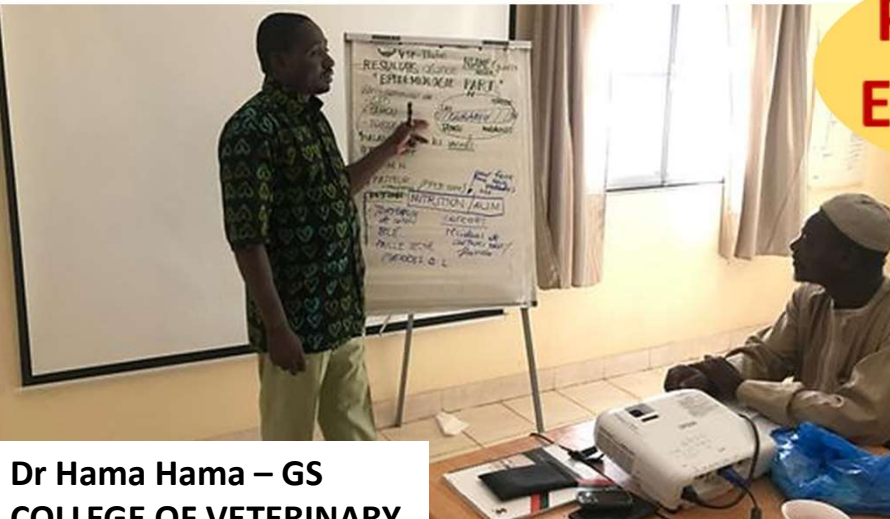
DEF. “a systematic evaluation of factors in an individual, family, community, or other aggregate that might lead to illness or other health problems”.

COMMUNITY ANIMAL HEALTH WORKERS – CAHWS TILLABERY REGION



PARTICIPATIVE EPIDEMIOLOGY

Appraisals should be transparent, fair, effective, and consistent with the principles of Good Medical Practice (GMC) : “A continuous process of peer review of veterinary doctors and consultants, which includes peer review, as well as competency-based, objectives-based, and trait-based appraisals on the field”.

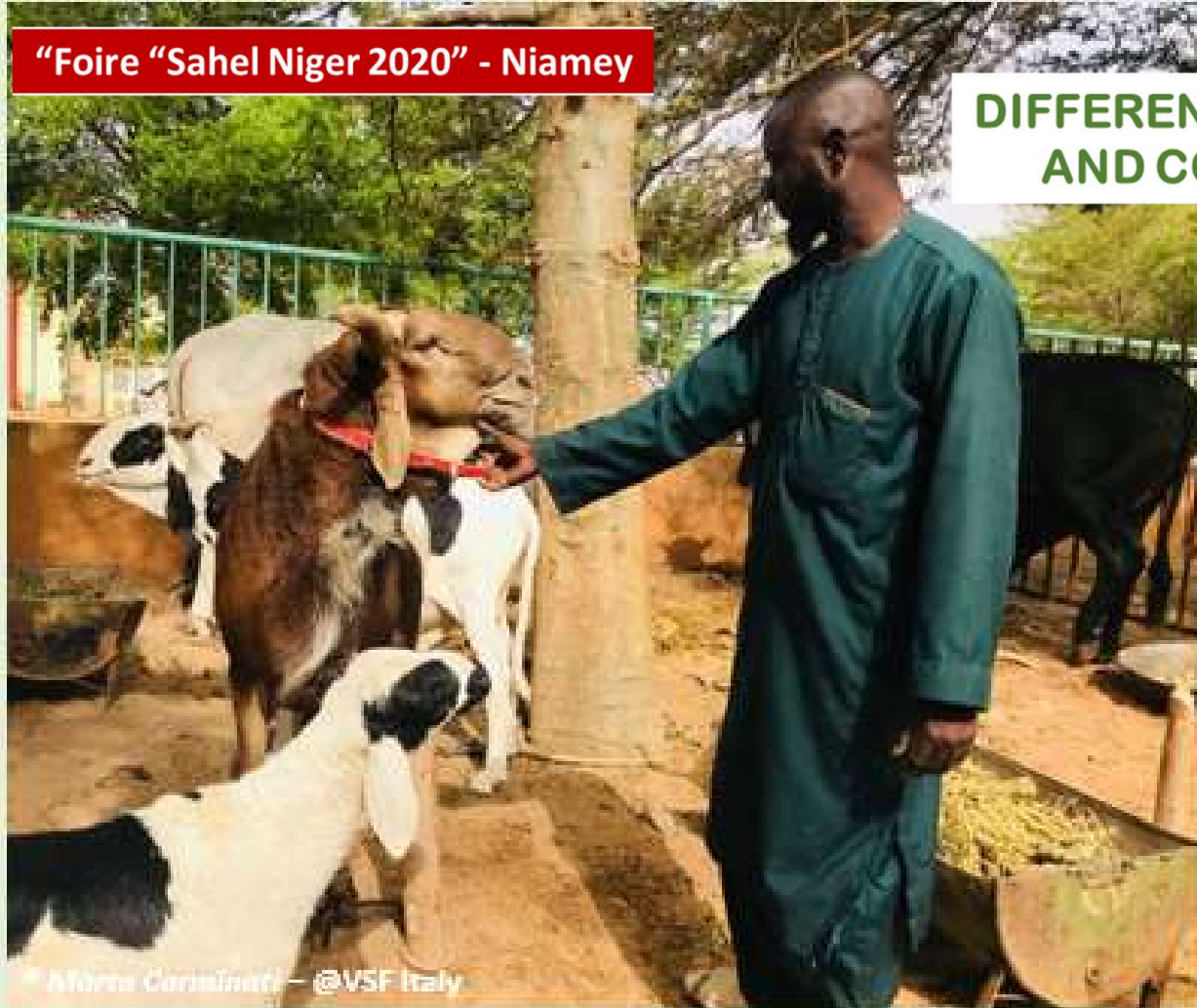


Dr Hama Hama – GS
COLLEGE OF VETERINARY
DOCTORS OF NIGER

Niamey, Niger June 2019

AND BREEDERS

“Foire “Sahel Niger 2020” - Niamey



Marta Carminati - @V5F Italia

DIFFERENT CONTEXTS AND COUNTRIES

Bao Bolong Valley - Kaffrine Region Senegal, 2017



Marta Carminati - @V5F Italia

SAME RESULTS

COMMON PROBLEMS AND REMEDIES



COMMON DISEASES

- PPR
- FOOT AND MOUTH DISEASE
- PASTEURELLOSIS
- *SCABIES*
- INTERNAL AND EXTERNAL PARASITOSIS *spp.*
- *other*



COMMON REMEDIES

- LOCAL AND NATURAL REMEDIES
- MODERN PHARMACOLOGY



COMMON MISUSED MOLECULES

- OXYTHETRACYCLINE (*broad-spectrum tetracycline*) 10 OR 20 % - ALSO LONG ACTING
- THIRD-GENERATION CEPHALOSPORIN
- IVERMECTINE
- Albendazole
- *Other...*

BAD HABITS OF ANIMALS' DRUGS ADMINISTRATION BY BREEDERS RELATED TO AMR

*By
resuming*

Improper or
absent
diagnosis

No veterinary
consultation
and "DIY"
animal
treatments

Improper
dosage of
antibiotics

RARE
ATTENTION
ABOUT THE
RESPECTS OF
TEMPERATURES
OF STORAGE
AND USE BY
DATES

PRODUCTS
SOLD AND
BOUGHT ON
THE LOCAL
MARKETS

INCOMPLETE
THERAPIES

Other habits that can increase AMR related – issues:



MULTIPLE USE INSTRUMENTS

**USE OF LONG
ACTING
MOLECULES –
NON
RESPECTING
DOSAGE**

**Improper
transportation of
animals and drugs**



**Registered or unregistered drugs
easily findable on local markets**

**The use of medicines to treat disease in food-producing
animals is regulated in nearly all countries, nearly ...**

MISUSE OF TRADITIONAL NON DEMOSTRATED REMEDIES



OSTRICH LEG'S BALM USED FOR ARTHROSIS AND BONES ISSUES



Marta Carminati - @VSF-Italia



AUTHORIZATIONS FOR DOMESTIC SLAUGHTERING WITHOUT PRIOR ANTE MORTEM VISIT

Marta Carminati - @VSF-Italia



LITTLE OR NO IMPORTANCE TOWARDS A GOOD DIET TO CONTRAST ANIMALS' DISEASES



Marta Carminati - @VSF-Italia



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TECHNICAL PAPER
June 2020

ONE HEALTH IMPLEMENTATION IN THE GLOBAL SOUTH

A HOLISTIC APPROACH TO ADDRESS
THE KEY CHALLENGES OF
LIVESTOCK-DEPENDENT COMMUNITIES

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THANK YOU!

<http://vsf-international.org/one-health-to-address-future-crises/>

November 20

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