

Global Alliance for Rabies Control



Middle East, Eastern Europe, Central Asia and North Africa Rabies Control Network

MEEREB Network: what was achieved & the integration to MERACON 2021

Dr. Valentina Picot, DVM Fondation Mérieux

Fondation Merieux des racines pour la vie Contraction Merieux roots for life

FONDATION MÉRIEUX



- Created in 2010, the MEEREB an informal network of national stakeholders involved in rabies disease management committed to support and implement effective measures for the prevention and control of rabies in their countries / regions.
- The mission to foster rabies prevention and control in country through the support of complementary, synergistic & multisectoral collaborations and interventions.



Diverse geographical spread

(image sourced from former Meereb website)



MEEREB includes members of the following countries:

ALGERIA	KAZAKHSTAN	SERBIA
CROATIA	LIBYA	TAJIKISTAN
GEORGIA	MOROCCO	TUNISIA
IRAN	POLAND	UKRAINE
IRAQ	ROMANIA	UZBEKISTAN





MEEREB

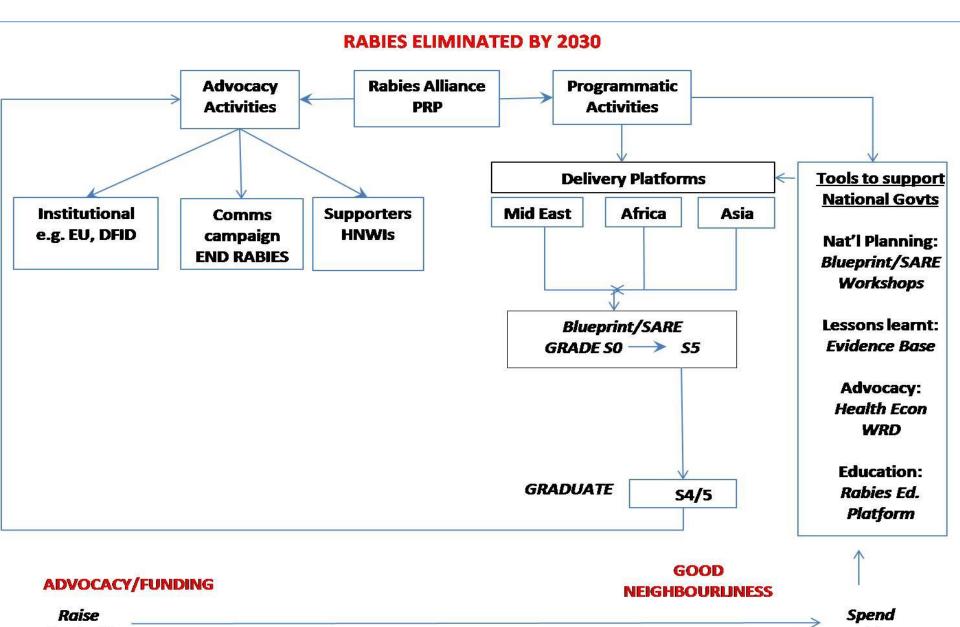
 Enhancing and facilitating access and delivery of information across countries and platforms;

<u>http://meereb2016.application-interactive.com/</u>

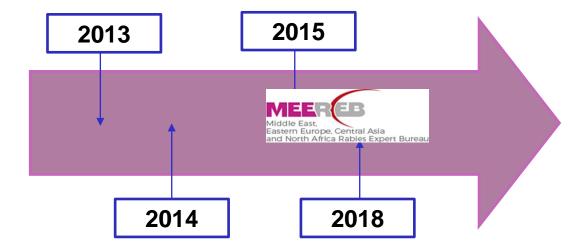
- Identifying opportunities where members can participate and provide expertise
- Support to local activities (WRD);
- Support complementary and synergistic actions with key stakeholders.



MEEREB <u>a Delivery Platform within GARC</u>



Activity Timeline







WORLD RABIES DAY

New Concept in Preventive and Curative Rabies Vaccines & Vaccinology Approaches

29 & 30 September 2013



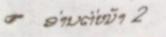


ເຄງການດຽກາວກາລງ



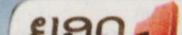
ປະຊາຊົນລາວ ຕ້ອງໄດ້ຮັບການສັກຢາວັກແຊັງ ກັນພະຍາດວ່ປະມານ 9.000 ຄົນຕ່ຳປີ

ຂປລ.ກະຊວງສາຫາລະນະສຸກ ຊີ້ໃຫ້ເຫັນວ່າ: ເນື່ອງຈາກວ່າໃນ ຫົວໂລກ ມີຜູ້ເສຍຊີວິດຈາກພະຍາດ ວໍປະນານ 50-60 ຜັນຄົນຕໍ່ປີ, ສະ ນັ້ນ ສປປ ລາວ ກໍມີສະຖິຕິໝາກັດ ແລະ ຕ້ອງໂດ້ຮັບການສັກຢາວັກ ແຊັງສະເລຍປະນານ 9.000 ຄົນ/ ປີ; ຍ່າງໃດກໍຕານພະຍາດດັ່ງກ່າວນີ້ ສາມາດປ້ອງກັນໂດ້ 100% ດ້ວຍ ວັກແຊັງຫີ່ມີປະສິດທິພາບ, ເຊິ່ງ















4th MEEREB Meeting

23-25 April 2018 - Les Pensières Center For Global Health



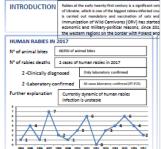
Les Pensières

CENTER FOR GLOBAL HEALTH

FONDATION MERIEUX

Data Sourcing





PRE-EXPOSURE PROPHYLAXIS (PrEP) Vaccination schedule (route/n° doses) 3-dose IM regimen used (D0, D7, D28) Vaccine used Verorab, Rabipur, Indirab Nº of persons who received PrEP 174 Who pays for PrEP? Profile organizations and laboratories in which people at risk are employed

Description of the inter-ministerial zoonosis unit or national rabies o

KEY ACTION POINTS -What actions supporting rabies control (at animal and human level) have b

Actions	Achieved or Progress so far?	o	
1)Vaccination of stray dogs with oral vaccine	Awareness on the level of State Veterinary Agency about efficacy of oral vaccination of stray dogs	Lack or methodology in stray dogs vaccination	its implementation in stray dogs vaccination
2) Development of National programme of rabies control	Documentation and Action Plan 2025 has been developed	Lack of financial resources to be invested into the programme's implementation	Updating the programme and its implementation
3) World rabies Day 2018 and public awareness	A cycle of lections has been done for vet doctors ad students	Still low level of awareness and practical skills in rabies focy	Efficient prevention of human and animal rabies
4) Organization of a Forum on rables laboratory diagnostics	A network of veterinary laboratories has been established	Lack of advanced training system for laboratories staff on diagnostics of human and animal rables	Creation of advanced training system for laboratory diagnostics of rabies





Rables continues to be a problem in Lebanon, specially with the inability of the country to produce the vaccines. Since 2013, significant increase of the number of exposed cases was noticed with the massive influx of refugees. Although a national multisectoral committee was developed few years ago, close coordination between all involved stakeholders and municipalities is crucial. Awareness and prevention of exposure remain the 2 main keys to avoid human rables cases in the country.

ANIMAL RABIES IN 2017

Nº of does vaccinated: 120,000

Nb of rabies exposure per district (2017)

Nº of animal / dog rabies cases: unknown

POST-EXPOSURE PROPHYLAXIS (PEP)

Nº of persons who received PEP: 1700 in 2017

Nº of persons who received RIG: 160

Vaccine used: Rabipur

immunoglobulins

Reach rural areas and displaced populations (Syrian

Increase public awaraness among animal owners

increase within awareness about animal expression in

rural areas specially among displaced populations Presence of rables in neighbouring countries with no

Difficulty monitoring animal movement (in both wild and stray animals)

Not always able to locate the animal responsible for

More control in rabies expesses for asterals via

Seek the help of armed forces to vaccinate wild

- Get the municipalities involved in these activities

HUMAN RABIES IN 2017 Nº of animal bites: 170000

Nº of rabies deaths: 12 -Clinically diagnosed: 7

rest by the other animals.

PRE-EXPOSURE PROPHYLAXIS (PrEP)

Who pays for PrEP? Paied by sovernment

Vaccine used: Rabipur, Verorab Nº of persons who received PrEP: "3000

Vaccination schedule (route/nº doses): IM / 5 doses(ESSEN)

Limited budget for veterinary services for raises

A National Zoonotic Committee is developed at the MOA and regrouping both MOH and MOA. Also, a National rabies comittee was developed by ministerial decision (Ministry of Agriculture) headed by the DG of the MOA and regrouping different ministries and stakeholders.

Challenges

out var

control activitie

Vaccination schedule (route/nº doses) IM/0, 7, 21 days

The Ministry of Public Health pays for the vaccines and

- Laboratory confirmed: unknown

% dogs vaccinated: 90% including both private & public sectors

INTRODUCTION

HUMAN RABIES IN 2017 - 5000 animal bites cases

human exposure (dog bite cases) starting 2013.

PRE-EXPOSURE PROPHYLAXIS (PrEP)

N° of persons who received PrEP: unknown

The person him/her self pays for the PrEP

Description of the inter-ministerial zoonosis unit:

ion reacted, of rabies

All information documented

Achieved or Progress so har?

through increase in public ewareness

Increase post-exposure treatments in human

Rables trainings launched in all public and private

Bables realize awareness brochures distributed to all

Mode public & private clinics
 Media campaigns in TVic Talk shows, press release, press conferences... in both animal and human sector

Human medical and animal specialists both notified of

Systematic documentation in place of all animals

Vaccine used: Rabiour

KEY ACTION POINTS -

1) Post-er

Instruments

reatments in

2) Information

Education and

3) Rapid response

and obse

of rabies-

4) integrated

bite cases

Vaccination schedule (route/nº doses) IM/ 0, 7, 21, 1 yr, every 3 yrs

- 1 rabies death (clinically diagnosed) Based on the data from 2001-2018, there is an increase in the number of



7-11.9 12-19.9

20-

Future actions

displaced populations

with current epide

humans and animals

ab capecities

PEP treatments, resulting in considerably low death incidences from

-Laboratory confirmed: 5 (4 by FAT, 1 by PCR) 80.5% of animal bites are due to dogs, 14.8% by cats and the

- Spread awareness specially amo

Seek government commitment t

illocate budget for veterinary ser-

to better control rabies - Make sure local actions are in lin

Update and implement strategy in rables control and eradication.

Always have enough national st

Allocate resources to have enoug vets in all regions specially rural a

allocate more ressources to inve

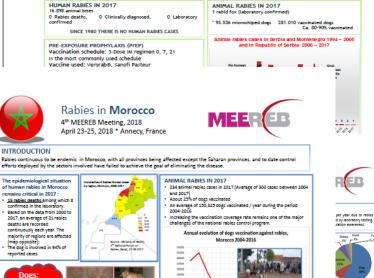
cines and immunoglobulins for



Rabies in Serbia 4th MEEREB Meeting, 2018 April 23-25, 2018 * Annecy, France



INTRODUCTION Rabies is still present in Serbia. But only sporadic cases of fox rabies cases are registered in last couple of years. Namely the epizootiological situation of rabies in Serbia has been drastically changed since 2010, when vaccination of wildfie against rabies, co-threaded by EU. Mass vaccination campaigns of dogs involves been started in 1960s, which enabled eradication of dog rabies in 1980s, when the last human rabies case was registered. From that period on sylvait rabies case, were diagnosed on average annually till 2010, when the oral vaccination campaigns have started with huge success. In 2017 only one fox rabies case was registered.



Source : ONSSA, 2H National Forum on Rables, Robat, 27-08-201

National rabies coordination is carried out in the framework of

the National program implemented since 1986. Ministry of Health, Ministry of Agriculture and Ministry of Interior are the

an important role in the prevention and control of the disease

main actors. In recent years, some ONGs, such as National Association of Fight Against Rabies (AMLR) have begun to play



Vaccination schedule: 4-dose IM Zagreb Regimen (2-1-1: D0 -2 injections and 1 injection at J7 and J21. Vaccine used: Verorab 65 000 people received PEP.

The vaccination is given free of charge in 265 rabies centers in the country. The acquisition of the vaccine is provided by the municipalities.

the previt	sion of the strategy of program and alization of all control vities.	National Program since 1986, revised in 2003 (multisectoral aspect). Strengths and weaknesses of the program analyzed and highlighted.	Real political commitment and better involvement of actors. Improved accessibility to human vaccination centers.	 Development of a national plan for the elimination of the disease covering the period 2019-2030
vac	ease in the cination coverage of dags.	 Local manufacture of the vaccine. Availability of the vaccine in all provinces and prefectures. 	Better knowledge of the socio-ecology of dogs Shy adhesion of dog owners to vaccination (to improve)	Conduct socio-ecological surveys on canine populations. Implement anal vaccination for inaccessible dogs (complement to parenteral vaccination) and carry out awareness campaigns.
prof	enhancement of essionals through new ing/learning methods.	Celebration of World Rabies Day since 2007: a training and awareness opportunity. Developing and Uploading a Rabies Training Tutorial: Lefs Learn Together to Fight Rabies.	 Training approach based on the "pedagogy of reality". 	 Development and implementation of a trainin plan in support of the national plan to eliminate rabies

Description of the inter-ministerial zoonosis unit or national rabbes coordination unit if any: There is a National Rabies Committee including thereentatives from MOH, IVO, DOE, Municipalities and IPI since 2015. A Rabies Elimination Commi also been estabilished based on National National Rabies Committee that also includes representatives from MOH and Polioed

of species af



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Ministry of Health for rabies

of Interior

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FONDATION MÉRIEUX

Publications

G Model JIPH-726; No. of Pages 7

ARTICLE IN PRESS

Journal of Infection and Public Health xxx (2017) xxx-xxx

Title

Rabies in the Middle East, Eastern Europe, Central Asia and North Africa: Building evidence and delivering a regional approach to rabies elimination

Authors

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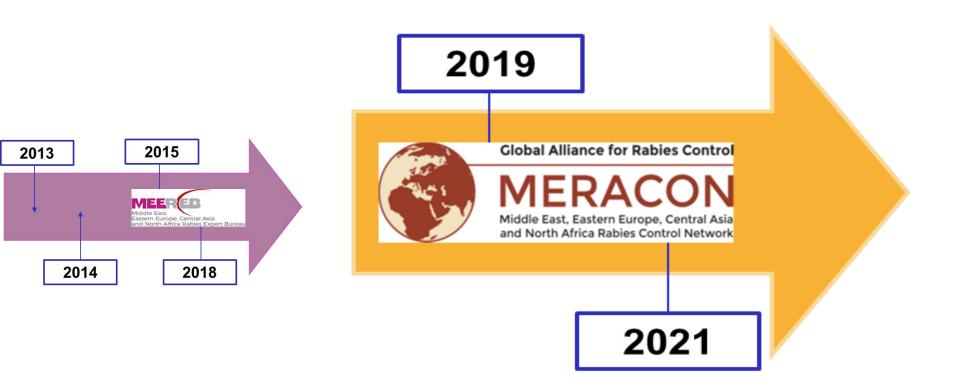


A decision support model for the prioritization of dog-mediated rabies prevention and control capabilities

Collaboration amongst University of Surrey, Guildford, UK and Fondation Mérieux, France



Knowledge Sharing Activity Timeline







2019 support to SARE workshops: SriLanka, Algeria





MERACON: Returning to rabies elimination in 2021 webinar

26 February 2021, 09:00 am - 12:00 pm (CET Time)



Other 2021 meetings:

- PRP
- MERACON 2021- F2F Meeting

FONDATION MÉRIEUX

Approach to close collaboration

- Foster cooperation and mutual teams efforts in well defined partners roles
- Build commonly on knowledge dissemination, advocacy and interventional strategies
- Call together for application of funding opportunities
- Cultivate public-private partnerships



THANK YOU!





machen. unter die n freut es e aufrüt- e 2014 an nfestspie- geregt? our! Mitte pends das : Jetzt ist ben Nacht	"I'm sure that change always starts with perception."	wanted to m flammatory n which should viewers' skin ual orientati we are pleas people think. <u>The world pre- at the Berlin J</u> Film Festival nervous? It was incredi left the record
oends das .: Jetzt ist	perception."	Film Festival nervous? It was incredi left the record ing in mid-Ja



