

#### **Ronello Abila**

Sub-Regional Representative OIE SRR SEA, Bangkok, Thailand

# OIE Rabies initiatives in SE Asia

6-8 July 2021, Bangkok



Organisation Mondiale de la Santé Animale

World Organisation for Animal

Health

Organi: Mundia de San Animal

#### Rabies Workshop on OIE Standards for Rabies (2014)



11-13 June 2014

Chiang Mai, Thailand



Organisation Mondiale de la Santé Animale World Organisation for Animal Health

# The Benchmarking document

And and a state of the state of	CHAPTER 8.12. Infection with rabies virus	
No. 100	SECTION 3. QUALITY OF VETERINARY SERVICES	
	Chapter 2.1.13. – Rabies B. DIAGNOSTIC TECHNIQUES	BENCHMARK DOCUMENT:
	Chapter 2.1.13. – Rabies C. REQUIREMENTS FOR VACCINES	RABIES AND RABIES INITIATIVES IN ASEAN MEMBER STATES (2014)
Manual Andrews	CHAPTER 7.7. Stray dog population control	Oie Percentes son fur Interaction of Saletant Interactions of Saletant Son Saleta Chine Salet
	CHAPTER 1.4. Animal Health Surveillance	Organisation World Mondiale Organi de la Santé for Ani Animale Health

#### The Benchmarking document

		No. of animal	No. of past-	No. of human	No. of animals	No. of animals	
ASEAN Member State	Year	bites reported	exposure treatment	rables cases	tested for rables	positive for rables	
	2009	_					
	2010						
Brunei Derusselem	2011	_	Rabics	has never been in	sported		
	2012						
	2013						
	2009		12,475*	6*		61*	
	2010	•••	12,475*	67	•••	61*	
Cambodia	2011		12,475*	67		61*	
	2012		12,475*	6*		61*	
	2013		12,475*	6*		61*	
	2009	45,466	35,316	195	1,001	516	
	2010	78,574	63,658	206	3,861	802	
Indonesia	2011	84,010	71,845	184	2,222	597	
	2012	84,750	74,551	137	5,272	1045	
	2013	65,136	53,288	119	2,256	330	
	2009	11,515	2,879	1	180	109	
	2010	12,510	4,754	0	119		
Leo POR	2011	12,944	4,142	1	101		
	2012	10,007	N/A	6	84	BOX 1.2 Some AMS examples for early detection	systems fo
	2013	3,070	N/A	6	81		
	2009					In Indonesia, the carly detection system is what (BCV) a coordinated SOF between the human	
	2010	-				Bacically, when a bits case patient presents to	a cinic, ti
Malaysia	2011	-	No rabio	cases since the y	car 2000.	message. Likewise, when the snime health set unusual behavioral signs, the human health sets	
	2012	-		location and animal type involved is reported to th			
	2013	-					
	2009	16,674	-	179	-	8980	
	2010	18,360	-	205	-		the same line
Myanmar	2011	20,007	-	245			
	2012	11,424	1,794	179	-		
	2013	-	-	176	-		Links
	2009	206.253	188,290	243	2.682	Description of the local division of the loc	
	2010	263,000	247,184	245		-	
Philippines			247,184	257	2,230		Ļ
Philippines	2011	528,755	286,434	257 219	2,230 2,045	Loss of Loss	Ļ
Philippines	2011 2012	528,755 410,810	286,454 574,806	257 219 215	2,250 2,045 2,650		1
Philippines	2011 2012 2013	528,755	286,434	257 219	2,230 2,045		-
Philippines	2011 2012 2013 2009	528,755 410,810	286,454 574,806	257 219 215	2,250 2,045 2,650		
	2011 2012 2013 2009 2010	528,755 410,810	256,454 574,506 501,676	257 219 215 187	2,230 2,045 2,650 2,411		
Philippines	2011 2012 2013 2009 2010 2011	528,755 410,810	256,454 574,506 501,676	257 219 215	2,230 2,045 2,650 2,411		
	2011 2012 2013 2009 2010 2011 2011	528,755 410,810	256,454 574,506 501,676	257 219 215 187	2,230 2,045 2,650 2,411		
	2011 2012 2013 2009 2010 2011 2012 2013	528,755 410,810 568,629	256,434 374,506 501,676 No rabic	257 219 215 187 x cases since the y	2,250 2,045 2,650 2,411 cer 1955.		
	2011 2012 2013 2009 2010 2011 2012 2013 2009	328,755 410,810 568,629	288,434 374,808 501,678 No rabic	257 219 215 187 a cases since the y 24	2,230 2,043 2,050 2,411 cmr 1955.	in the thillippines, an event-based surveillance	is concurte
Singapone	2011 2012 2013 2009 2010 2011 2012 2013 2009 2010	328,735 410,810 568,629	288,434 374,808 301,878 No rabic	257 219 213 187 a cases since the y 24 15	2,230 2,045 2,650 2,411 2,411 2,411 2,411 2,411 1,525 1,427	in the Philippines, an event-based surveillance in Department of Health. Similarly, in Malaysia, even	s conducte y suspecte
	2011 2012 2013 2009 2010 2011 2012 2013 2009 2010 2010 2011	328,735 410,510 568,629	226,434 374,506 501,676 No rabic	227 219 215 187 4 cases since the y 24 15 8	2,230 2,043 2,050 2,411 car 1955. 1,525 1,427 1,261	in the thillippines, an event-based surveillance	is conducte ly suspecte
Singapone	2011 2012 2013 2009 2010 2011 2012 2013 2009 2010 2011 2012	338,733 410,810 568,629	228,434 374,808 301,876 No rabic *** ***	257 219 213 187 4 cases since the y 24 15 8 7	2,230 2,045 2,650 2,411 2,650 2,411 1,525 1,627 1,525 1,627 1,563	In the Philippines, an event-based surveillance in Department of Health, Similarly, in Malaysis, even investigation and detainment of the biting animal to in Thelland, observed rebies clinical signs are rep	's conducte ry suspects for 14 days
Singapone	2011 2012 2013 2009 2010 2011 2012 2013 2009 2010 2010 2011 2012 2013	338,733 410,810 568,629	228,434 374,808 501,876 No rabic *** *** 918,518**	227 219 213 187 5 ceses since the y 24 13 8 7 7	2,330 2,045 2,050 2,411 1,525 1,427 1,281 1,833 4,097	In the Philippines, an event-seed surveillance Department of Westh, Similarly, in Malaysia, even invastigation and detainment of the billing onimal if in Thailand, observed nesles divised signs are not than take action with 34 hours after contraction	s conducte ry suspects for 14 days corted by v and outbo
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## Compliance of AMS to OIE International Standards on Rabies (2014)

		Has rabies s syste					nsure prever to the countr				No
AMS	Rabies is notifiable	surveillance in detection wild captive mar	Wild mammals from RFC <sup>1</sup>	Dogs, cats, ferrets from RIC <sup>2</sup>	Ruminants, equids, camelids, suids from RIC <sup>2</sup>	Rodents, lagomorph s from RIC <sup>2</sup>	Wildlife from RIC <sup>2</sup>	No indigenous rabies cases	imported rabies cases outside quarantine		
Brunei	$\checkmark$	×	×	$\checkmark$	×	$\checkmark$	×	×	×	$\checkmark$	$\checkmark$
Cambodia	×	×	×	$\checkmark$	***	$\checkmark$	×	×	***	×	×
Indonesia	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	×
Lao PDR	$\checkmark$	-	×	$\checkmark$	***	$\checkmark$	×	×	***	×	×
Malaysia	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Myanmar	$\checkmark$	×	×	$\checkmark$	$\checkmark$	$\checkmark$	×	×	×	×	×
Philippines	$\checkmark$	$\checkmark$	$\checkmark$	<b>√</b> 3	***	<b>√</b> 3	×	×	***	×	×
Singapore	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Thailand	$\checkmark$	$\checkmark$	$\checkmark$	<b>√</b> 3	***	<b>√</b> 3	×	×	***	×	×
Vietnam	$\checkmark$	-	×	<b>√</b> 4	$\checkmark$	×	×	×	***	×	×

## Compliance of AMS to OIE International Standards on Rabies (2014)

			Regula	atory Measures					
AMS	With protocol for case/outbreak investigation	Conducts rabies case/outbreak investigation	For rabies control and prevention	For rabies vaccination	For dog ID	With official programme for management of stray dogs	With internal process for declaration of rabies freedom within parts of the country	Government unit responsible for declaration	
Brunei	×	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	N/A	-	
Cambodia	×	×	x	×	x	×	×	-	
Indonesia	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	x	×	$\checkmark$	Ministry of Agriculture	
Lao PDR	×	$\checkmark$	x	$\checkmark$	x	×	×	-	
Malaysia	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	N/A	Department of Veterinary Services	
Myanmar	$\checkmark$	$\checkmark$	×	$\checkmark$	x	$\checkmark$	×	-	
Philippines	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	Dept of Agriculture and Dept of Health	
Singapore	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	N/A	Agri-Food and Veterinary Authority of Singapore	
Thailand	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	Ministry of Agriculture and cooperatives	
Vietnam	×	×	$\checkmark$	$\checkmark$	x	×	×	-	

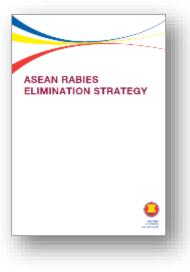
## Development of ASEAN Rabies Elimination Strategy (ARES)









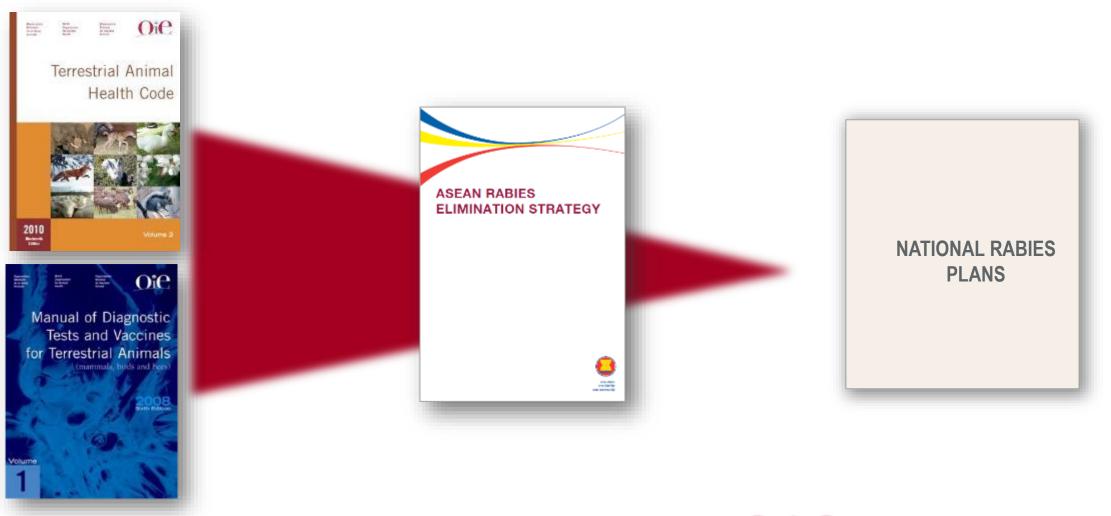


South-East Asia Dog Rabies Elimination Strategy ASEAN Rabies Elimination Strategy (Joint strategy of human and animal health sectors)



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#### Development of ASEAN Rabies Elimination Strategy (ARES)

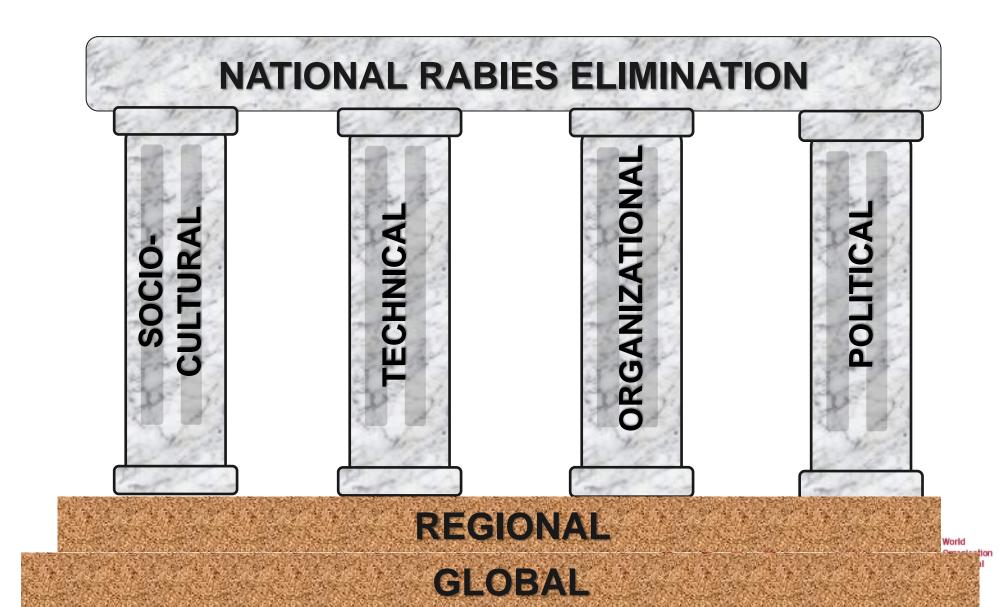




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#### **Development of ASEAN Rabies Elimination Strategy (ARES)**



#### Alignment of ARES with Global Framewrok



STRATEGIC VISION: zero human deaths from dog-mediated rabies by 2030 in participating countries

World

Health

Annuale

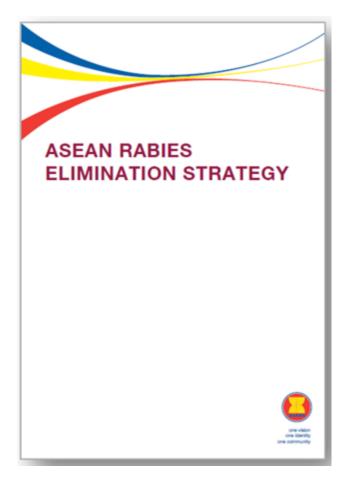
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Organisation

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### Progress in the Implementaion of (ARES) - 2018





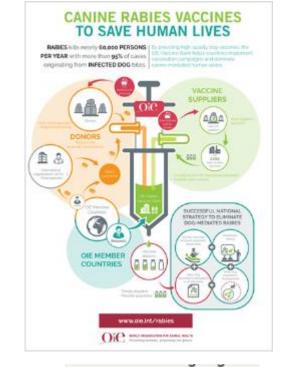


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#### **OIE Rabies Bank**

#### **Rabies Vaccine Bank**

- Expanded to Asia and Africa
- Quality assurance
- Cost reduction per vaccine unit
- Timely supply
- Easy procurement and delivery system
- More than 20 million doses have been provided to countries including Bhutan, Lao PDR, Malaysia, Myanmar, the Philippines and Vietnam since 2012
- Latest request from Brunei for 8000 doses





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## Risk Assessment on cross-border spread of dog-mediated rabies (2019)





## Rabies diagnostic capacity building activities

#### **In-country Hands-on Laboratory training**

Myanmar, 12-16 Nov 2018 Philippines, 1-5 July 2019 Malaysia, 7-11 October 2019

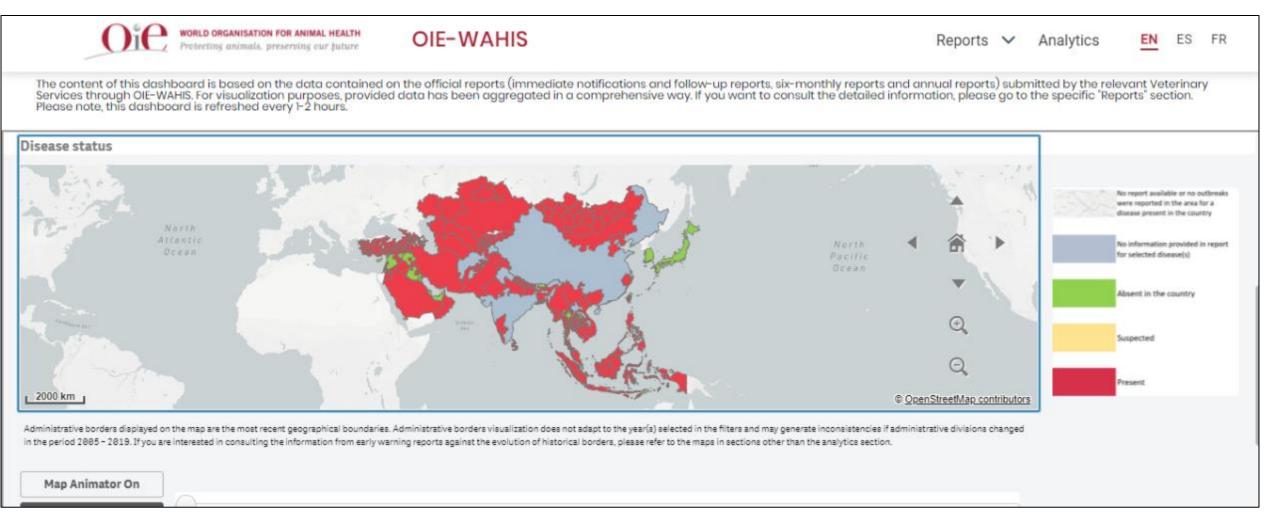


 Strengthened laboratory diagnostic capacity
 DFAT, molecular test, straw method of sampling



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#### Rabies Situation in SE Asia (2018-2020)





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#### Rabies Situation in SE Asia (2018-2020)

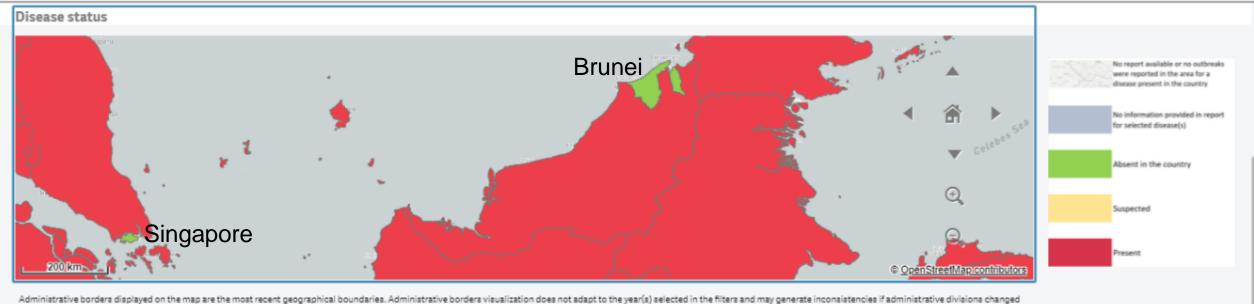


OIE-WAHIS

Reports V Analytics

S EN ES FR

The content of this dashboard is based on the data contained on the official reports (immediate notifications and follow-up reports, six-monthly reports and annual reports) submitted by the relevant Veterinary Services through OIE-WAHIS. For visualization purposes, provided data has been aggregated in a comprehensive way. If you want to consult the detailed information, please go to the specific "Reports" section. Please note, this dashboard is refreshed every 1-2 hours.



in the period 2005 - 2019. If you are interested in consulting the information from early warning reports against the evolution of historical borders, please refer to the maps in sections other than the analytics section.



#### Rabies Situation in SE Asia (2018-2020)





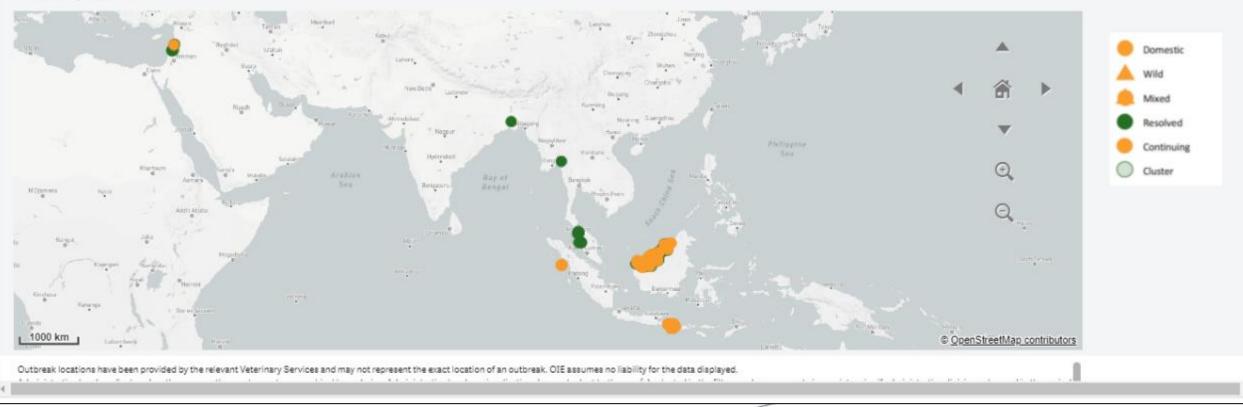
Reports V Analytics

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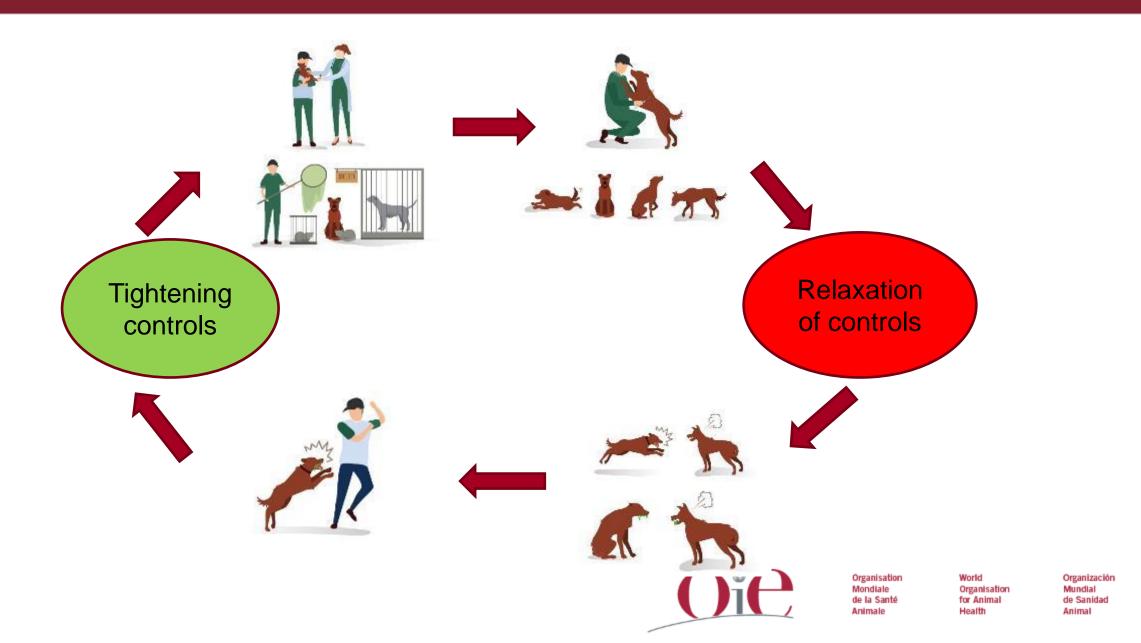
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#### Outbreak presence



#### Rabies cycle



# Thank you!

t.priyantha@oie.int

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