

# ZERO BY 30

THE GLOBAL STRATEGIC PLAN  
TO END HUMAN DEATHS  
FROM DOG-MEDIATED RABIES  
BY 2030



## A MISSION DRIVEN COALITION DEDICATED TO ACHIEVE A SHARED GLOBAL GOAL

The Collaboration builds on more than 10 years of global partnership, research and evidence-building to demonstrate the feasibility of eliminating dog-transmitted rabies

### The **UNITED AGAINST RABIES** collaboration

 <b>World Health Organization</b>	1946	<ul style="list-style-type: none"> <li>▪ Global leadership for public health development to meet needs of disadvantaged population</li> <li>▪ Nexus for governments, international organisations, NGOs, private sector and civil society</li> <li>▪ Provides technical support to countries and catalyses capacity building</li> </ul>
 <b>Food and Agriculture Organization of the United Nations</b>	1945	<ul style="list-style-type: none"> <li>▪ Aims to eliminate hunger and food insecurity worldwide</li> <li>▪ Advocates for improved social and economic status of all people worldwide</li> <li>▪ Engages partners and stakeholders including governments, civil society and the private sector</li> <li>▪ Links what happens in local communities to regional and global initiatives</li> </ul>
 <b>WORLD ORGANISATION FOR ANIMAL HEALTH</b>	1924	<ul style="list-style-type: none"> <li>▪ Aims to improve animal health and welfare</li> <li>▪ Develops evidence - based international standards guidelines and recommendations for disease control and animal welfare</li> <li>▪ Promotes strengthening of veterinary services worldwide</li> </ul>
 <b>Global Alliance for Rabies Control</b>	2007	<ul style="list-style-type: none"> <li>▪ Dedicated to eliminating deaths from rabies</li> <li>▪ Develops information, surveillance and training tools to increase country capacity for rabies control</li> <li>▪ Provides training and capacity building to countries and coordinates regional intersectoral rabies networks</li> <li>▪ Undertakes advocacy, education and communication campaigns</li> </ul>

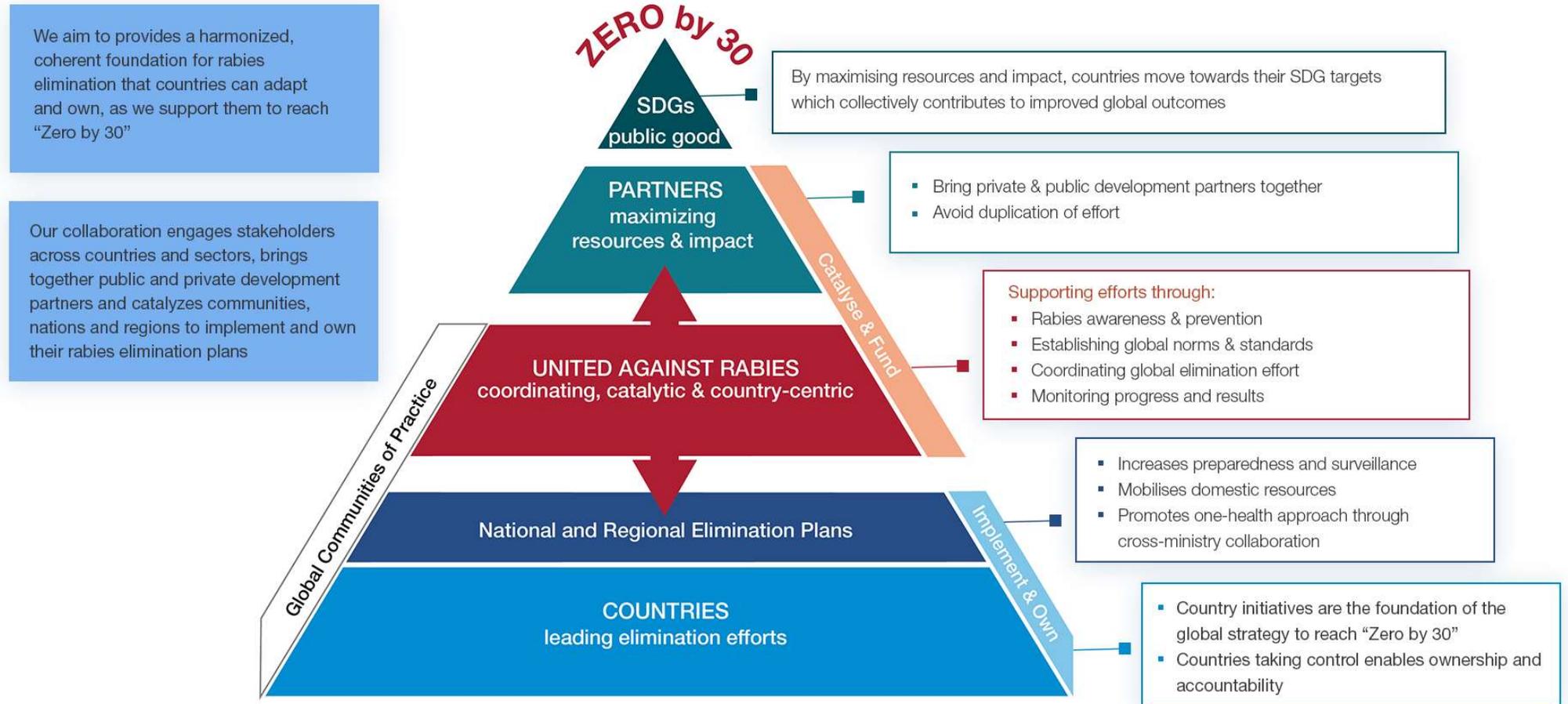
## **ZERO HUMAN DEATHS FROM DOG TRANSMITTED RABIES 2030**



The purpose of this document is to present the Global Strategic Plan of the United Against Rabies Collaboration to end human deaths from dog-mediated rabies by 2030. The plan outlines the vision, the value proposition and the road-map designed to achieve the desired global goals set forth by the Collaboration. The document also presents the estimated resources (budget) required and the commitment from the international development partners and countries globally to deliver on these goals.

## THE COLLABORATION FOCUSES ON ENGAGING STAKEHOLDERS ACROSS COUNTRIES AND SECTOR FOR A UNIFIED HIGH IMPACT GLOBAL RESPONSE

For the first time we are marching together with synergy and structure to coordinate our interventions and maximise the impact of investment in rabies elimination



## HOW WE WILL REACH ZERO BY 30

Our global strategic plan prioritizes the societal changes needed to reach Zero by 30 into three objectives:

### OBJECTIVE 1

to effectively use vaccines, medicines, tools and technologies

#### Reduce human rabies risk

- improved awareness and education
- increased access to healthcare, medicines and vaccines
- dog vaccinations

### OBJECTIVE 2

to generate, innovate and measure impact

#### Provide guidance and data

- effective policies, guidance and governance
- ensuring reliable data to enable effective decision-making

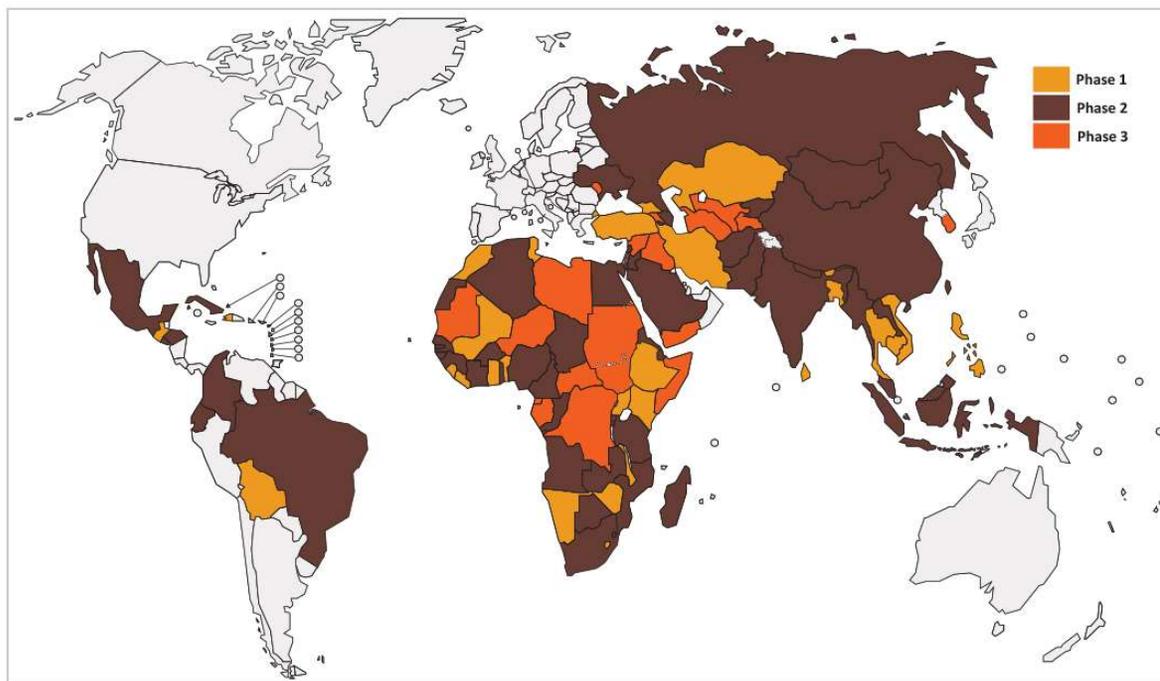
### OBJECTIVE 3

to sustain commitment and resources

#### Harness multi-stakeholder engagement

demonstrate the impact of activities completed under the **United Against Rabies** collaboration

## PROPOSED PHASING OF RABIES ENDEMIC COUNTRIES IN THE GLOBAL STRATEGIC PLAN

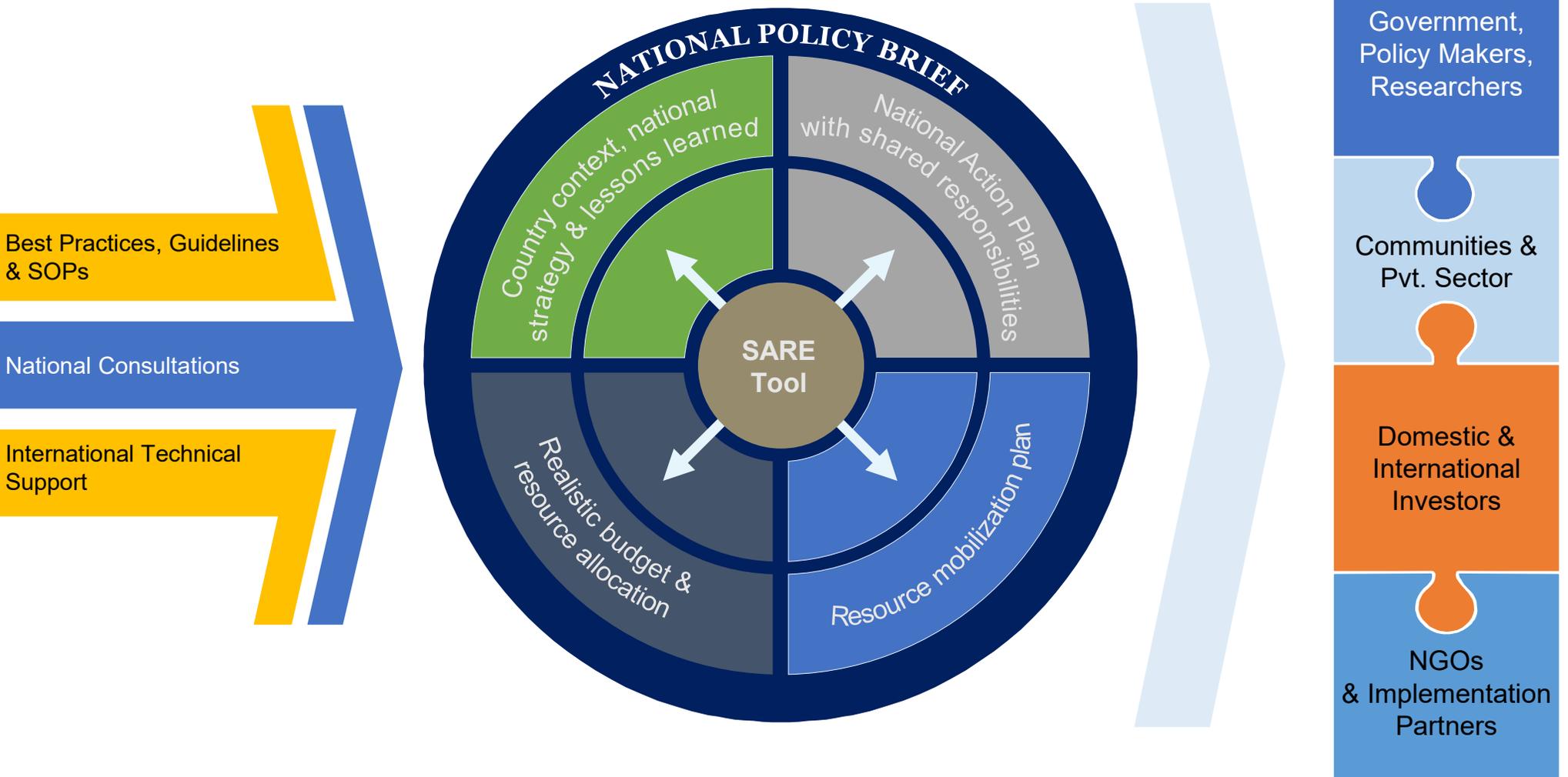


**Phase 1:** Bangladesh, Benin, Bhutan, Bolivia (Plurinational State of), Cambodia, Ethiopia, Georgia, Ghana, Guatemala, Haiti, Iran (Islamic Republic of), Kazakhstan, Kenya, Lesotho, Liberia, Malawi, Mali, Morocco, Namibia, Nicaragua, Philippines, Sierra Leone, Sri Lanka, Thailand, Tunisia, Turkey, Uganda, Viet Nam, Zimbabwe

**Phase 2:** Afghanistan, Algeria, Angola, Azerbaijan, Botswana, Brazil, Burkina Faso, Burundi, Côte d'Ivoire, Cameroon, Chad, China, Colombia, Congo, Cuba, Djibouti, Ecuador, Egypt, El Salvador, Eritrea, Gambia, Guinea, Guinea-Bissau, Honduras, India, Indonesia, Israel, Jordan, Kyrgyzstan, Lao People's Democratic Republic, Lebanon, Madagascar, Malaysia, Mexico, Mongolia, Mozambique, Myanmar, Nepal, Nigeria, Pakistan, Russian Federation, Rwanda, Saudi Arabia, Senegal, South Africa, Senegal, South Africa, Swaziland, Togo, Ukraine, United Republic of Tanzania, West Bank and Gaza Strip, Western Sahara, Zambia

**Phase 3:** Armenia, Central African Republic, Democratic People's Republic of Korea, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Iraq, Libyan Arab Jamahiriya, Mauritania, Moldova, Niger, Somalia, South Sudan, Sudan, Syrian Arab Republic, Tajikistan, Turkmenistan, Uzbekistan, Yemen

# PUTTING COUNTRIES AT THE CENTRE



## THE PATH TO “ZERO BY 30”

The overall outcomes expected from each of the strategic objectives underlying the global strategic plan to reach “Zero by 30” is presented below.

### OBJECTIVE 1 to effectively use vaccines, medicines, tools and technologies

**Outcome 1.1:** Rabies is prevented through increased awareness and improved education

**Outcome 1.2:** Rabies is prevented through increased and effective dog vaccination

**Outcome 1.3:** Human deaths from rabies exposures are prevented by ensuring equitable, affordable, and timely access to healthcare, medicines and vaccines

### OBJECTIVE 2 to generate, innovate and measure impact

**Objective 2.1:** Provide effective policies, guidance and governance

**Outcome 2.1:** Policies, guidelines, and governance to prevent human deaths are created and adopted at regional and national levels

**Objective 2.2:** Ensure reliable data to enable effective decision-making

**Outcome 2.2:** Appropriate technology and information are made available

**Outcome 2.3:** Progress towards the goal is constantly and consistently monitored and reported

### OBJECTIVE 3 to sustain commitment and resources

**Outcome 3.1:** Key stakeholders are consistently and comprehensively engaged

**Outcome 3.2:** Finances and other resources are effectively and efficiently used

**Outcome 3.3:** Results and impact of the United Against Rabies collaboration are regularly monitored and reported to key stakeholders

Each of the above objectives and overall outcomes have been further detailed into activities and expected outcomes for Phase I covering the period 2017-2020.

# OBJECTIVE 1: TO EFFECTIVELY USE VACCINES, MEDICINES, TOOLS AND TECHNOLOGIES

The fundamentals of rabies control are well established. We need wide-scale access to this knowledge and capacity building to allow countries to access and implement these tools in their communities.



2017

**Outcome 1.1:** Rabies is prevented through increased awareness and improved education

Coordinate communication campaigns for World Rabies Day in priority endemic countries

Develop coherent strategies for responsible dog ownership and bite prevention education

Engage partners, communities, national and international media to build awareness

Effective, locally adaptable communication and awareness tools and strategies

Sustainable responsible dog ownership and bite prevention education programmes

**Outcome 1.2:** Rabies is prevented through increased and effective dog vaccination\*

Leverage existing tools to support effective SOPs for dog vaccination at the country level

Regional workshops for coordinators to train in best practices and share lessons learned

Establish a biological bank to increase access to affordable dog rabies vaccines\*\*

Support effective use of monitoring and surveillance data to validate vaccination coverage

Promote innovative approaches to enhance dog vaccination campaign coverage

Coherent, standardised, evidence-based tools and strategies for effective dog vaccination

Strengthened, vitalised and supportive regional networks

Improved availability and access to dog rabies vaccines

Local, regional and global reporting structures to facilitate data collection and sharing

**Outcome 1.3:** Human deaths from rabies exposure are prevented by ensuring equitable, affordable and timely access to healthcare, medicines and vaccines

Support national plans that expand access to basic healthcare for all

Leverage existing tools to support prudent use of PEP, PrEP and RIG for health services

Regional workshop to build capacity in best practice rabies prevention and care

Establish a biological bank to increase access to affordable human rabies biologicals

Promote the use of surveillance data for forecasting of vaccine needs

Investigate bite prevention education and IBCM as strategies to reduce biological usage\*\*\*

Increased access to basic healthcare, especially for underserved populations

Coherent, standardised, evidence-based tools and strategies for use of PEP, PrEP and RIG

Improved availability and access to human rabies biologicals

Mechanism to reduce rabies biological usage where rabies incidence is low (eg: IBCM)

2020

Activities Expected Outcomes

\* Refer Annexure 3 \*\* Refer Annexure 4 \*\*\*Refer Annexure 5

## LOGIC FRAMEWORK FOR THE UNITED AGAINST RABIES COLLABORATION

Objective 1: Elimination driven by effective utilisation of vaccines, medicines, tools & technologies

Outcomes	Outputs	Major activities
1.1 Rabies is prevented through increased awareness and improved education	1.1.1 Strategies are put in place to educate and create awareness for rabies prevention	Establish awareness and educational campaigns
		Implement bite prevention strategies
	1.1.2 Localised tools and strategies created to promote responsible dog ownership	Encourage and educate about responsible dog ownership
		Conceptualize cultural differences that impacts the societal role and value of dogs (e.g. ecology, human interaction)
1.2 Rabies is prevented through increased and effective dog vaccination	1.2.1 National strategies created and improved capacity for dog vaccination programmes	Optimize vaccination strategies
		Initiate capacity building for dog vaccination
		Ensure that rabies control strategies reach both confined and free-roaming dog populations
		Ensure 70%+ "at-risk" population coverage
	1.2.2 High quality dog vaccine bank(s) established and vaccines delivered to countries	Complete design, modelling and validation for stocks and banks
		Complete safety and quality checks for vaccine stocks and banks, where relevant
		Complete inspection of vaccine stocks and banks along supply chain, where relevant
	1.2.3 Countries are supported to conduct effective dog vaccination campaigns	Identify and reach previously undetected or hard-to-reach dog populations
		Ensure appropriate structures and technologies are utilized
		Ensure efficiency of supply chain
		Ensure trained personnel are available to respond
		Implement programmes to match vaccine need with vaccine demand
		Promote guidelines for effective dog population management

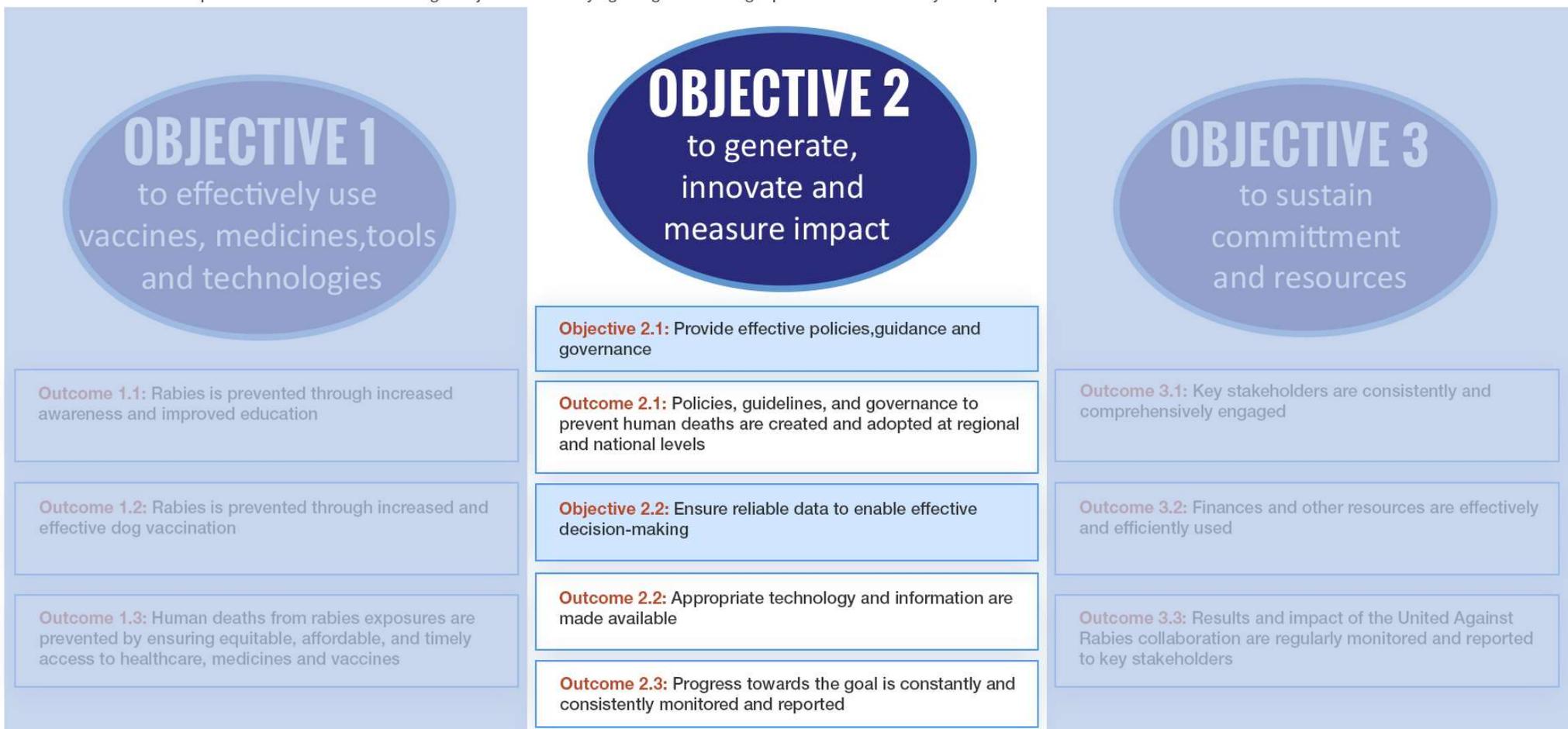
## LOGIC FRAMEWORK FOR THE UNITED AGAINST RABIES COLLABORATION

Objective 1: Elimination driven by effective utilisation of vaccines, medicines, tools & technologies

Outcomes	Outputs	Major activities
1.3 Human deaths from rabies exposures are prevented by ensuring equitable, affordable, and timely access to healthcare, medicines and vaccines	1.3.1 Improved treatment, and effective prevention, of potential and confirmed rabies exposures in humans	Promote the most safe, efficacious and efficient PEP techniques and IBCM
		Ensure PEP availability in primary point of care
		Train staff to assess and manage bite cases
		Employ accurate demand vaccine forecasting techniques
		Increase access to and affordability of RIG
		Promote less and fewer out-of-pocket expenditures for individuals
		Increase palliative care availability for end-stage patients
1.3 Human deaths from rabies exposures are prevented by ensuring equitable, affordable, and timely access to healthcare, medicines and vaccines	1.3.2 High quality and safe, biological banks and stocks for humans established	Complete design, modelling and validation for stocks
		Establish communications, advocacy and engagement for bank(s)
		Define bank(s) relationship to supply chain
		Complete safety and quality checks for stocks
		Complete systematic inspection of vaccine stocks along supply chain
	1.3.3 Last mile strategy implemented to reach high-risk human populations	Identify and reach underserved human populations
		Ensure appropriate structures and technologies are utilized
		Ensure efficiency of supply chain
		Ensure trained personnel are available to respond
		Ensure vaccine need matches with vaccine demand

## THE PATH TO “ZERO BY 30”

The overall outcomes expected from each of the strategic objectives underlying the global strategic plan to reach “Zero by 30” is presented below.



Each of the above objectives and overall outcomes have been further detailed into activities and expected outcomes for Phase I covering the period 2017-2020.

## OBJECTIVE 2: TO GENERATE, INNOVATE AND MEASURE IMPACT

Coherent international standards and guidance reflect best practice in rabies control. We need to support countries to access and adapt this guidance to their local situation, and to monitor, assess and refine strategies with the greatest impact.



2017

**Outcome 2.1: Policies, guidelines and governance to prevent human rabies deaths are created and adopted at regional and national level**

Review existing rabies guidelines and manuals to identify conflict and gaps	Coherent, standardised, tools and strategies to prevent human rabies deaths
Engage countries and stakeholders to adapt existing tools for rabies prevention	Harmonised international recommendations for rabies prevention in human and animals
Develop and validate guidance for countries on roles, responsibilities and accountability	Established reporting structures and cross-sectoral working groups within countries

**Outcome 2.2: Appropriate technology and information are made available**

Review current vaccines and diagnostic technologies to identify research gaps and needs	Innovative technological solutions in vaccines, diagnostics and supply chain
Review and update online tools for rabies education and elimination	
Engage stakeholders to promote innovation in rabies diagnosis and vaccine delivery	On-line tool for policy-makers, scientists, medical professionals, teachers and the public
Promote development of a reliable, safe, sensitive point-of-care diagnostic tool	Coherent, standardised tools and strategies for robust rabies surveillance
Update existing laboratory manuals to provide harmonised, evidence-based guidance	
Regional workshops to train technical staff in sampling, transport and laboratory diagnosis	

**Outcome 2.3: Progress towards the goal is consistently and constantly monitored and reported**

Design and disseminate information on surveillance and data collection tools	Improved tools for rabies surveillance, data collection and analysis
Organise regional workshops to train technical staff in best-practice rabies surveillance	Integrated regional and global reporting systems for human and animal rabies data
Support establishment of clear reporting chains within human and veterinary health services	Regular programmatic monitoring at national and regional levels "
Use surveillance data to demonstrate impact of investment in rabies elimination	Established process for validation and verification of reaching zero human rabies deaths*
Engage countries to highlight importance of data reporting and support them to improve	

2020

Activities Expected Outcomes

\* Refer Annexure 6

## LOGIC FRAMEWORK FOR THE UNITED AGAINST RABIES COLLABORATION

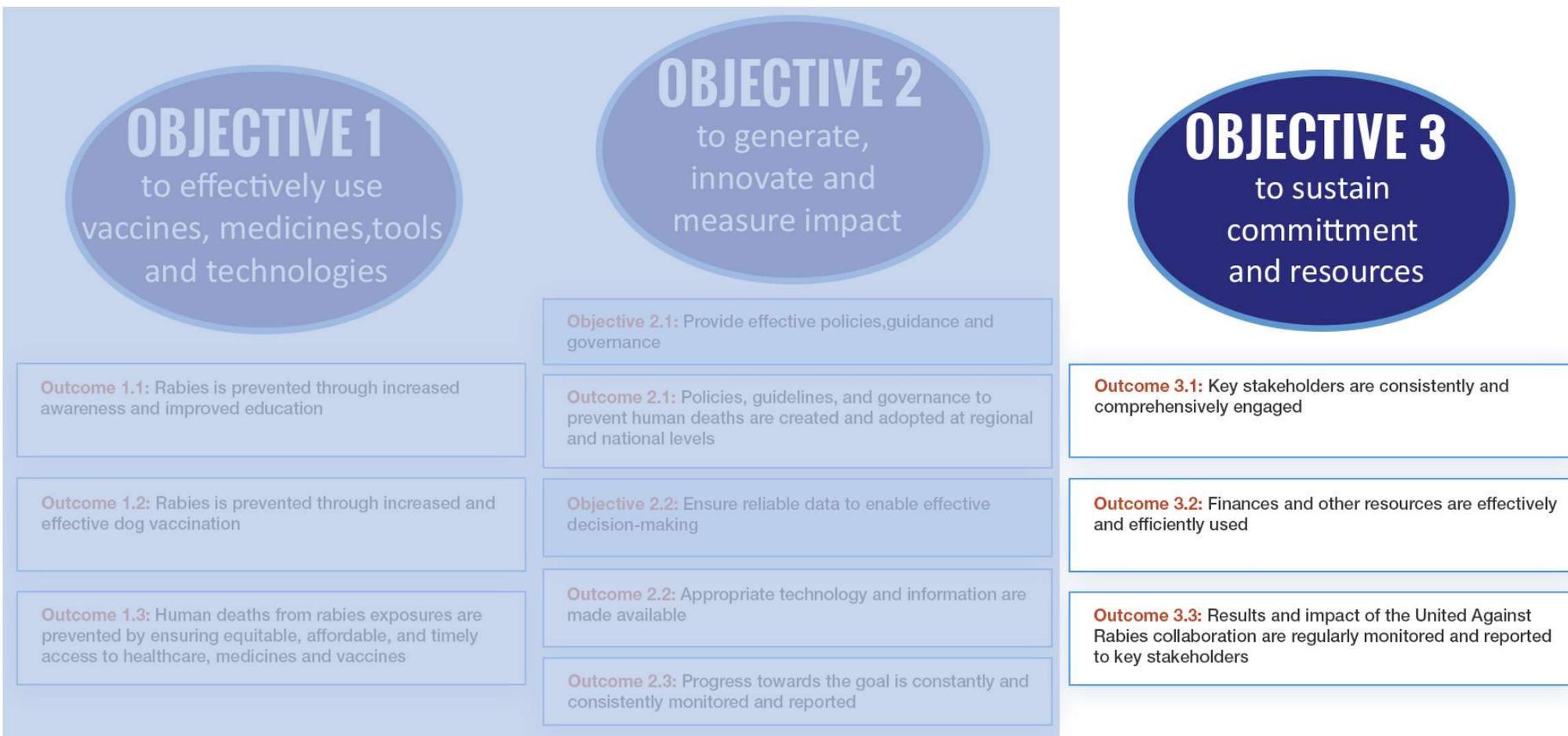
Objective 2.1: Policies, guidance and governance provide support		
Outcomes	Outputs	Major activities
2.1 Policies and guidelines, and governance to prevent human deaths from rabies exposure are created and adopted at regional and national levels	2.1.1 Clear guidance, strategies, priorities, and legal frameworks at global, regional, and national levels provided to prevent human deaths	Complete WHO and OIE recommendations and FAO guidelines
		Define guidelines for regulatory framework
		Update and embed stepwise approach to national rabies elimination policies and plans in line with the global framework
		Implementation of "one health" approach, embedded within strong human and animal health services
	2.3.1 Efficient and effective governance of regional & national rabies elimination programmes established	Establish cross-sectoral working group
		Establish roles, responsibilities and accountability
2.2 Appropriate technology and information are made available	2.1.3 Technology and health innovations to eliminate human deaths from rabies fostered	Incorporate existing tools and leverage existing programmes
		Promote ICT-based enablers including surveillance tools
		Promote supply chain innovations
		Promote innovation into new vaccines and vaccine strategies
		Promote innovative rapid and sensitive diagnostics
		Promote dog population management tools (eg. movement control, contraceptive technology, identification)

## LOGIC FRAMEWORK FOR THE UNITED AGAINST RABIES COLLABORATION

Objective 2.2 Reliable data enables effective decision-making		
Outcomes	Outputs	Major activities
2.3 Progress towards the goal is constantly and consistently monitored and reported	2.3.1 Robust disease surveillance in human and animals established, supported by improved diagnostics procedures	Initiate capacity building for laboratory diagnostics
		Train staff in surveillance and diagnostic methods
		Promote innovative strategies for surveillance and diagnostic methods
	2.3.2 Accurate and comprehensive monitoring for new rabies cases	Identify, define and monitor indicators (e.g. bites, deaths, PEP usages, clinical and laboratory data)
		Conduct constant and consistent surveillance of cases
		Ensure documentation of bite cases
		Monitor dog populations (e.g. numbers, geography, demographics, vaccination status)
		Establish and enhance reporting framework and reporting chain
		Assess baselines to evaluate progress and target responses
		Conceptualize social factors that negatively affect reporting
		Identify and reach areas in need of additional support
		Identify and use shortcomings as teaching and learning opportunities
	2.3.3 Regular and high-quality results reporting on programme impacts	Conduct frequent performance measurements
		Measure progress towards rabies elimination
		Showcase proof of concept programmes
		Demonstrate connections between programme and saving human lives
		Demonstrate cost effectiveness and return on investment
		Create and utilize verification dossier for zero human rabies
		Establish 'final inch' strategies
		Generate plans for maintenance of rabies elimination once achieved
	Create and utilize verification dossier for zero human rabies	

## THE PATH TO “ZERO BY 30”

The overall outcomes expected from each of the strategic objectives underlying the global strategic plan to reach “Zero by 30” is presented below.



Each of the above objectives and overall outcomes have been further detailed into activities and expected outcomes for Phase I covering the period 2017-2020.

## OBJECTIVE 3: TO SUSTAIN COMMITMENT AND RESOURCES

By providing a coherent foundation for rabies control, the global strategic plan builds confidence in the feasibility of global elimination and engages countries, stakeholders and development partners in the fight to end rabies. We will sustain the commitment and drive progress towards the following outcomes



## LOGIC FRAMEWORK FOR THE UNITED AGAINST RABIES COLLABORATION

Objective 3: Sustained commitment drives progress		
Outcomes	Outputs	Major activities
3.1 Key stakeholders are consistently and comprehensively engaged	3.1.1 Increased stakeholder commitment through effective advocacy	Implement advocacy materials, roadmaps and strategies for all stakeholders
		Expand the range of and engage unique stakeholders within all sectors
	3.1.2 Sustained advocacy to highlight the importance and feasibility of rabies elimination	Establish communications and engagement programmes
		Promote recognition of rabies as a global public threat and foster goodwill for elimination
		Generate recognition of dog vaccination as the most effective way to achieve rabies elimination
3.2 Financial and other resources effective and efficient used	3.2.1 Funding commitments to reach zero human deaths from rabies ensured and sustained	Complete and utilize vaccine demand modelling, supply landscapes and market economic projections
		Establish clear resource mobilization strategies
		Encourage countries to invest their own funds
		Utilize rabies and programme impacts to leverage success
		Establish clear resource mobilization strategies
	3.2.2 Sustainable programme financing strategies created, resources are mobilised, and use monitored	Generate an adequate supplementary budget and complete costings based on available data
		Promote and facilitate cost-sharing mechanisms (e.g. PPPs)
		Identify innovative funding mechanisms
		Foster synergies with other programmes
		Identify innovative funding mechanisms
3.3. Activities of the United Against Rabies collaboration transparently reported to key stakeholders	3.3.1 Results and impact of United Against Rabies collaboration regularly monitored and reported to key stakeholders	Review of outcomes of United against Rabies activities in countries and regions using programme indicators
		United Against Rabies' activities in countries and regions are reviewed using programme indicators
		Annual review and publication of all activities and budget of the United Against Rabies collaboration

OIE Rabies Vaccine Bank: Vaccinating do... Watch later Share

**the time is now!**

Dr Monique Eloit, OIE Director General

For more information:  
+ Consult the full Global Strategic Plan: [Zero by 30](#)



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**Rabies**

- Rabies home
- The disease
- Epidemiology
- Control and elimination strategies
- Information resources

**The United Against Rabies collaboration builds skills and knowledge in rabies-endemic countries towards achievement of zero human rabies deaths**

28 September 2018 | Geneva | Manhattan | Paris | Rome — On the occasion of the 12th World Rabies Day, the United Against Rabies collaboration highlights the critical role that intersectoral collaboration must play if the world is to be rid of human rabies deaths by 2030.

The *United Against Rabies collaboration*, consisting of the World Health Organization (WHO), World Organisation for Animal Health (OIE), Food and Agriculture Organization of the United Nations (FAO), and Global Alliance for Rabies Control

For more information

- CONSULT the full Global Strategic Plan "Zero by 30"
- ACCESS the PARACON meeting presentations and files
- LEARN more about World Rabies Day



**EMERGENCY PREVENTION SYSTEM**

- Programmes
- Emergency Prevention System for Animal Health (EMPRES-AH)**
- News
  - 2018
  - 2017
  - 2016
  - 2015
  - 2014

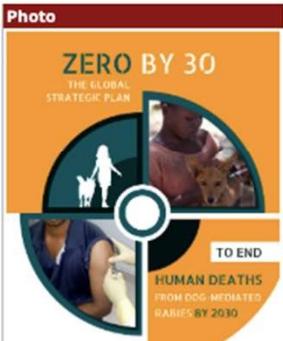
**United Against Rabies launches global plan to achieve zero rabies human deaths**

18 June 2018, Paris /Geneva/Rome/Manhattan (KS) - Investing approximately US\$ 50 million between now and 2030 can support the elimination of dog-mediated human rabies. A strategic plan that provides a phased, all-inclusive, intersectoral approach to eliminate human deaths from rabies has just been launched by United Against Rabies, a collaboration of four partners: the World Health Organization (WHO), the Food and Agriculture Organization of the United Nations (FAO), the World Organisation for Animal Health (OIE) and the Global Alliance for Rabies Control (GARC).

**Zero by 30: the global strategic plan to end human deaths from dog-mediated rabies by 2030** was prepared following a global call in 2015 to "end human rabies deaths by 2030".

The plan, finalized in consultation with relevant global, regional and country stakeholders, builds on the current international momentum to eliminate rabies.

In alignment with the United Nations Sustainable Development Goals and health for all, Zero by 30 advocates for investment to



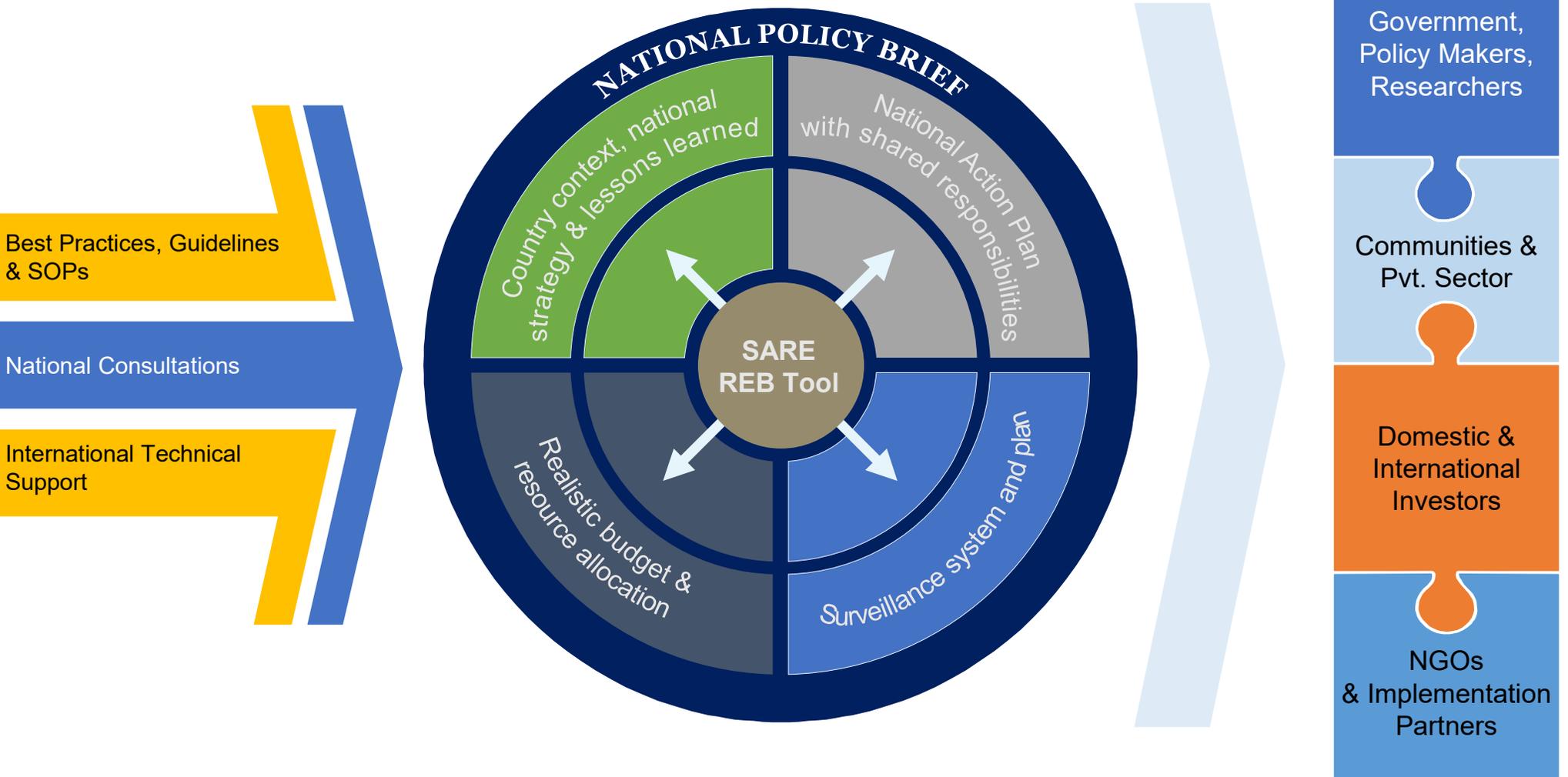
- Related documents**
- Global Strategic Plan: Zero by 30
  - Quick overview of the

- Consult the [full Global Strategic Plan: Zero by 30](#)
- View the Lancet Global Health article [here](#)

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# PUTTING COUNTRIES AT THE CENTRE – GARC APPROACH



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## DISCUSSION

- Where can you contribute to make the greatest difference?
- Où pouvez-vous contribuer à faire la plus grande différence?
  
- How can countries better advocate for resources. What are the resource mobilization plans?
- Comment les pays peuvent-ils mieux le plaider en vue d'obtenir des financements? Quels sont les plans de mobilisation des ressources?