

Schistosomiasis

control and elimination programs in the context of Neglected Infectious Diseases (NIDs)

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Outline



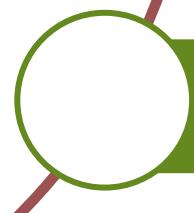
Epidemiology



Framework of the SCH & NID: Policies, strategies, plans



Technical aspects SCH & AMRO progress towards the control and elimination of the NID



Defining the road map towards the elimination

Epidemiology



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Schistosomiasis

AMRO Epidemiology



1 Specie (*Schistosoma mansoni*)

1 Intermediate host (mainly
Biomphalaria glabrata...)

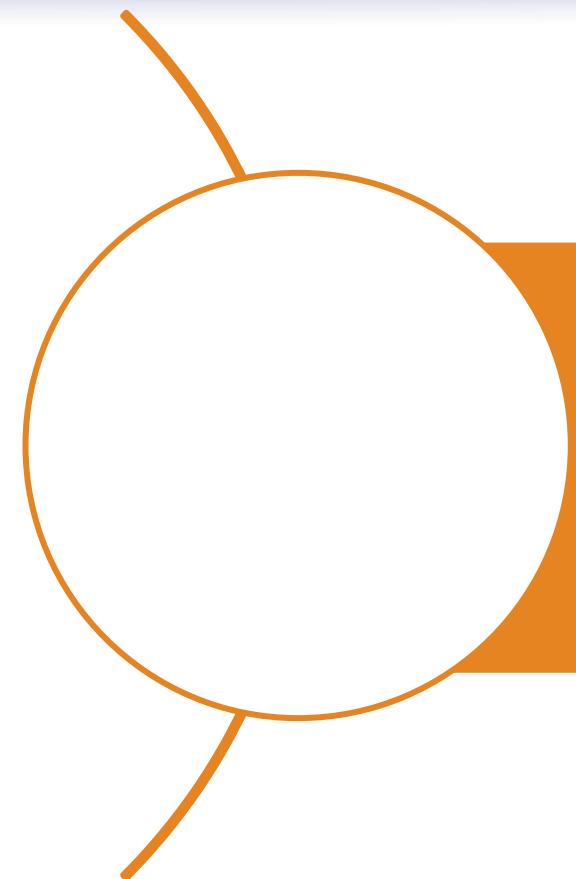
? Reservoirs

10 historically endemic countries

1.6 M people requiring PC

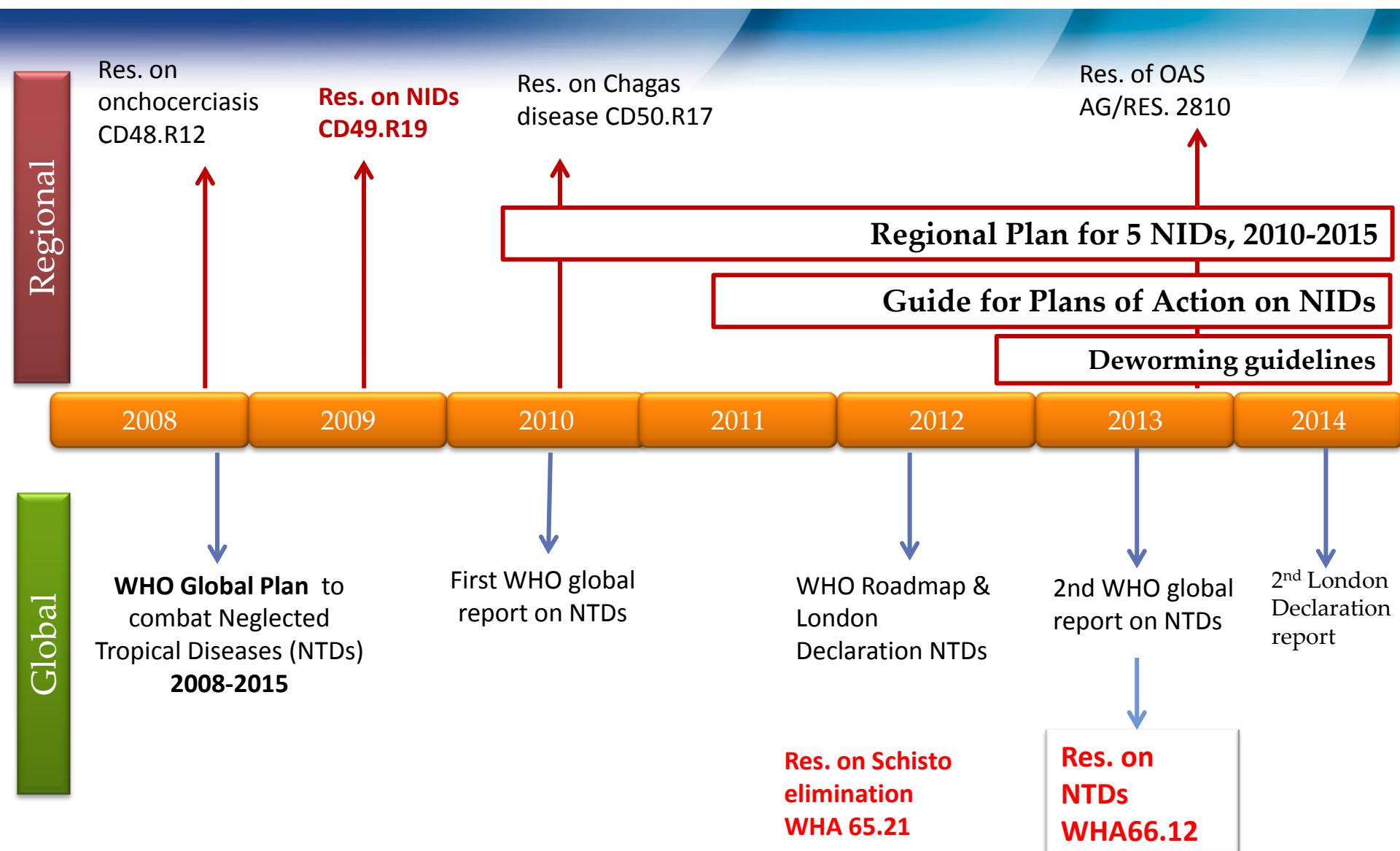


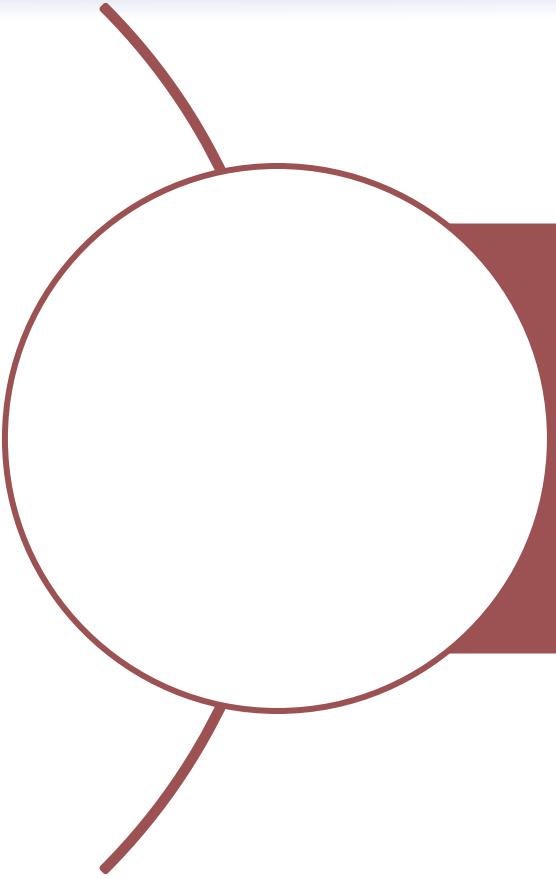
Requiring PC
Update and/or intensify focal interventions
Interruption of SCH transmission



Framework of the SCH & NID: Policies, strategies, plans

Neglected Infectious Diseases policies, plans and strategies, since 2008 onwards



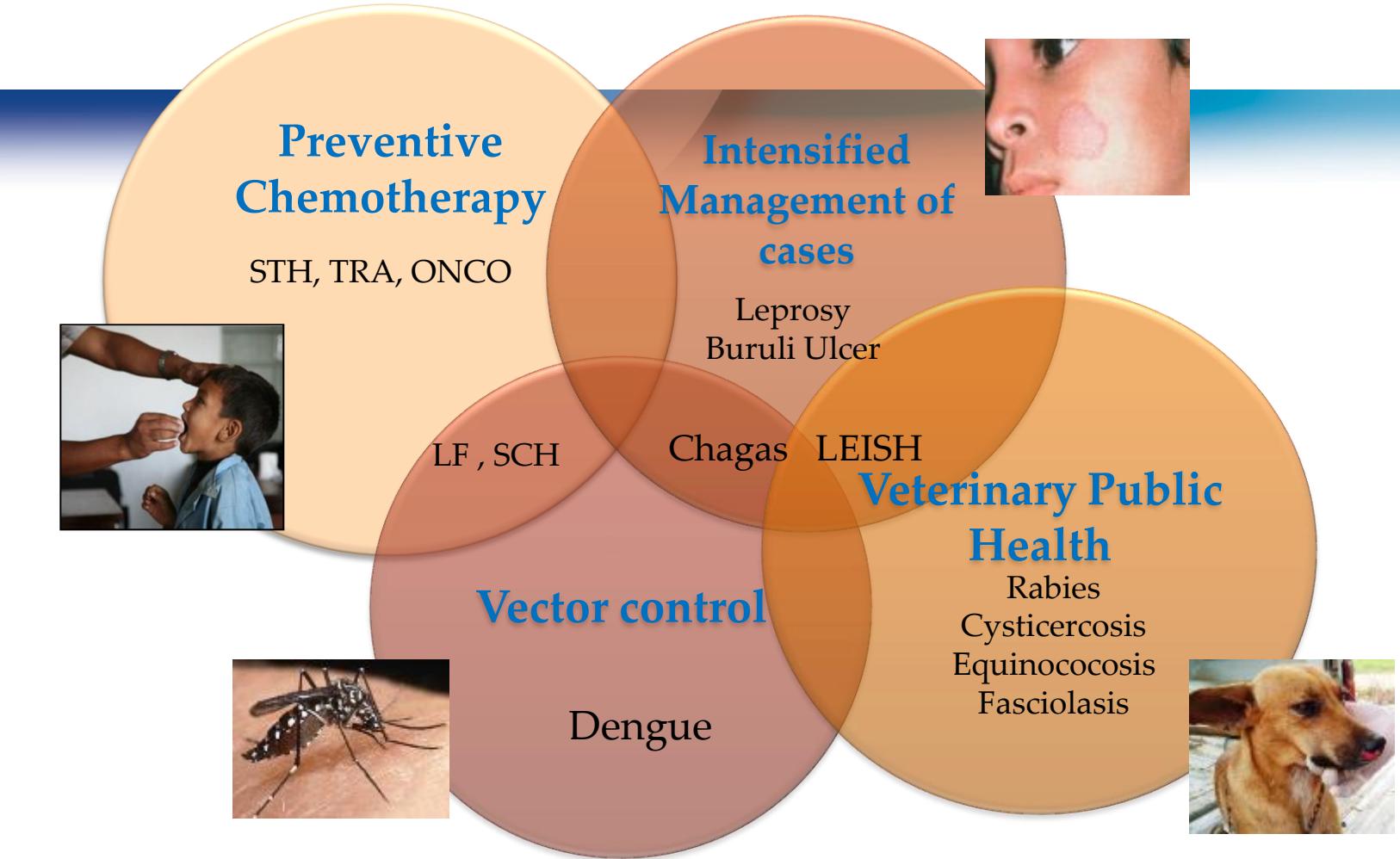


Technical aspects SCH & AMRO progress
towards the control and elimination of the
NID

SCH overlapping with other NIDs and other diseases...

Country	NID or other diseases overlapping
Brazil	STH, LF, TRA, SCH, Leprosy, CHA, Leish, Malaria..
Venezuela	SCH, STH, Leprosy, CHA, Leish, Malaria...
Suriname	STH, Leprosy, CHA, Leish, Malaria...
Saint Lucia	STH, Leprosy,
Dominican Republic	STH, LF, Leprosy, Malaria
Guadalupe	
Martinique	
Puerto Rico	Dengue, Chikungunya, ...
Montserrat	
Antigua	

Integrated intervention to tackle NIDs



+ Tackle the Social Determinants of Health

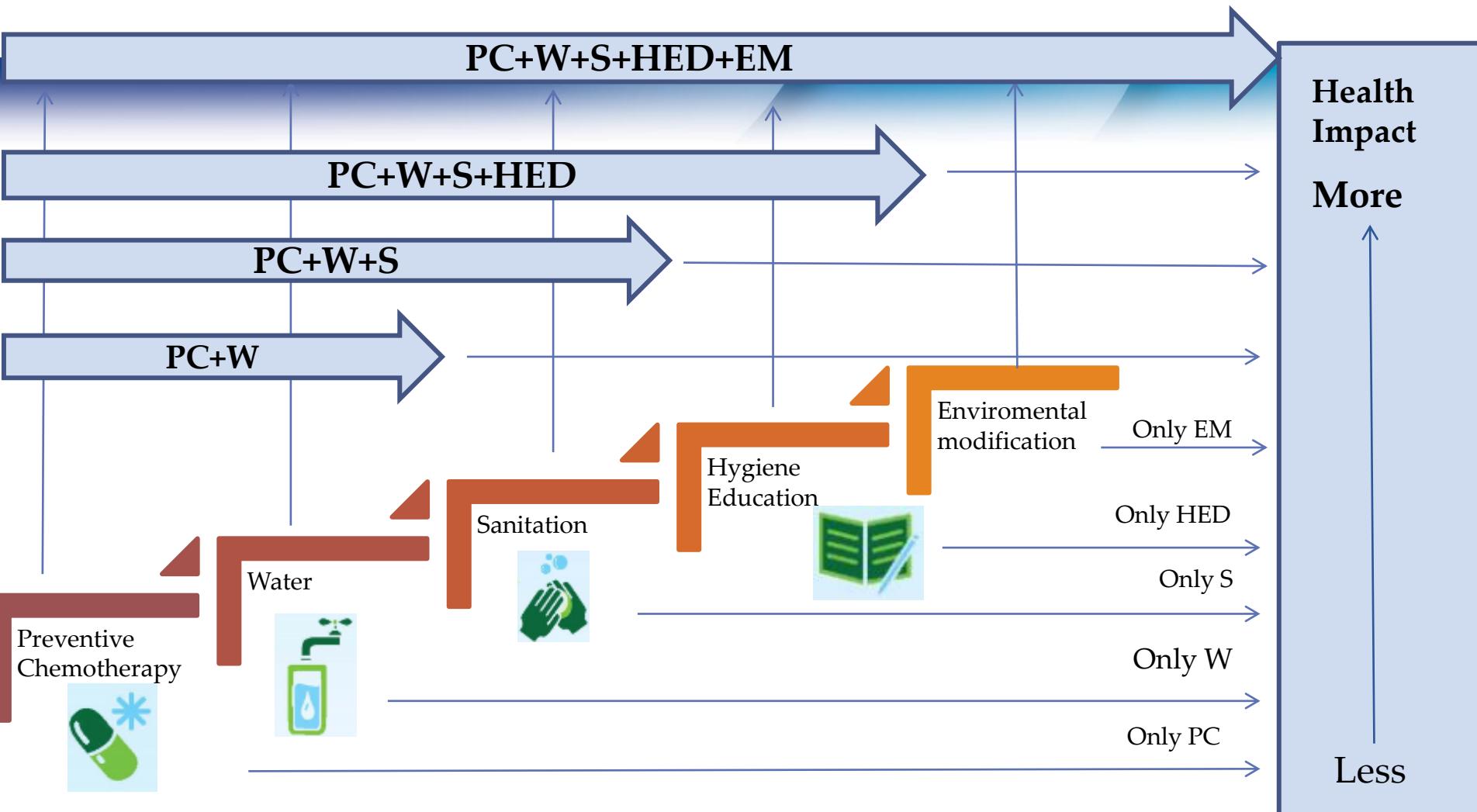


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Towards the control and elimination of the Schistosomiasis



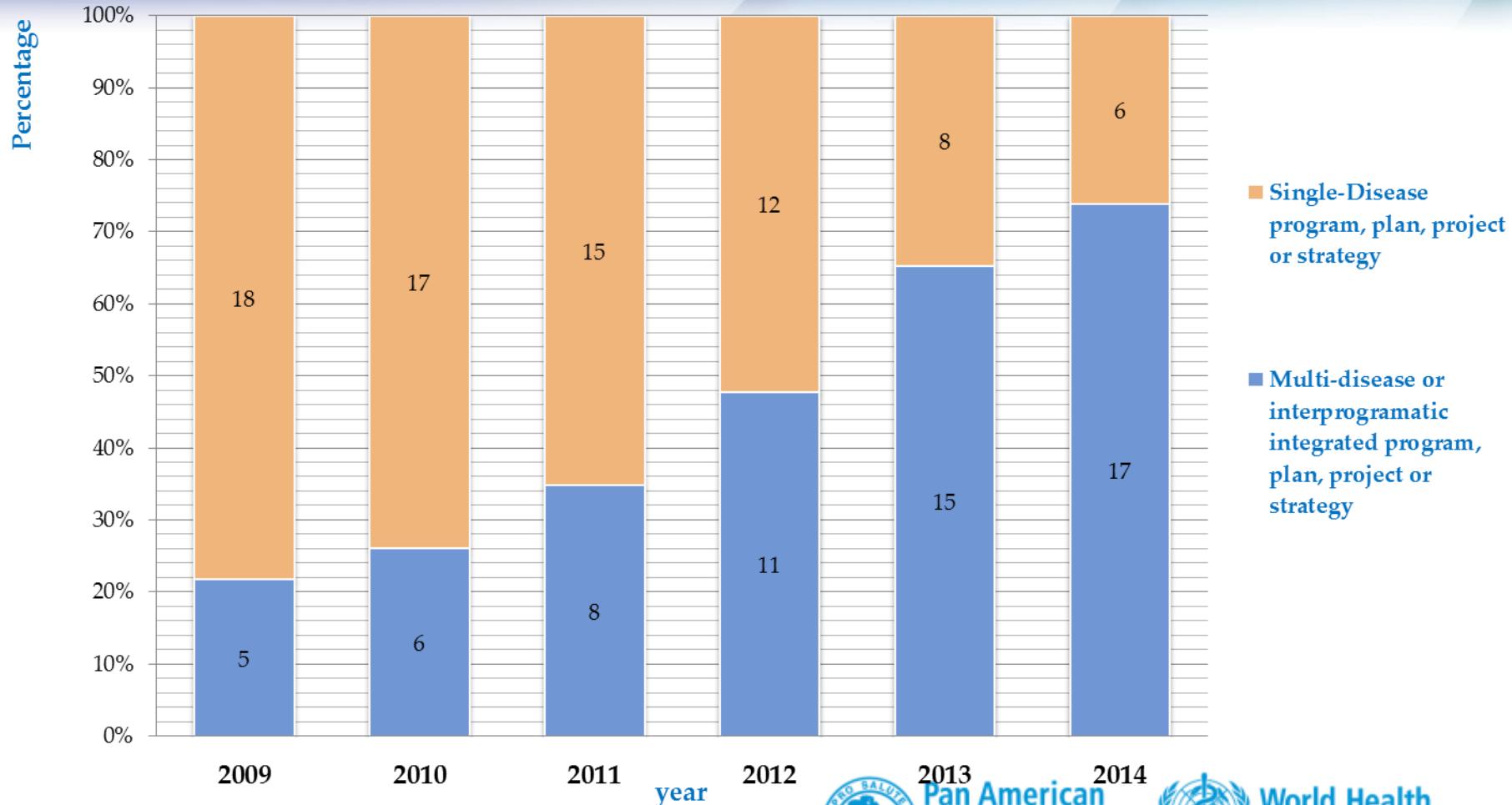
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NID control and elimination programs in AMRO, 2009-14

Number and proportion of countries with Single versus Multi –Disease integrated program, plan project or strategy in AMRO, 2009-14. *



*Total= 23 prioritized countries, 2010-2015

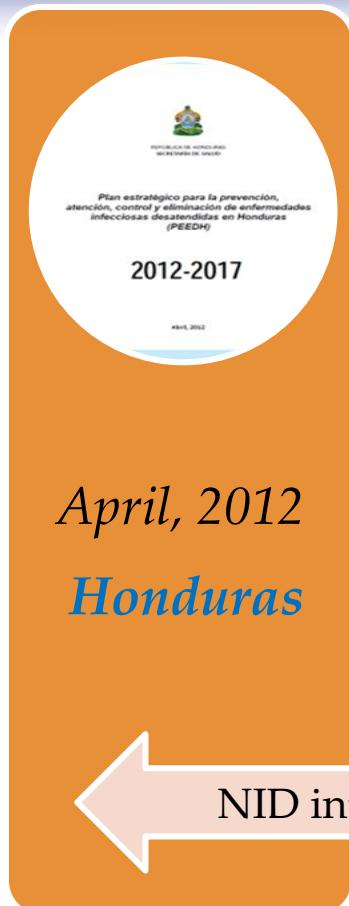


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NID control and elimination programs in AMRO, 2012-14



April, 2012
Honduras



July, 2012
Brazil



June, 2013
Colombia



August, 2013
Guatemala



November, 2014
Nicaragua

NID integrated plan of actions toward the control and elimination

Draft NID plans *SUR, GUY, ELS*



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Progress on treatment delivered for NID targeted for PC in LAC, 2012 – Regional overview

Fig. Classification of the MDA coverage reached in AMRO for 5 PC NID, 1995-2012

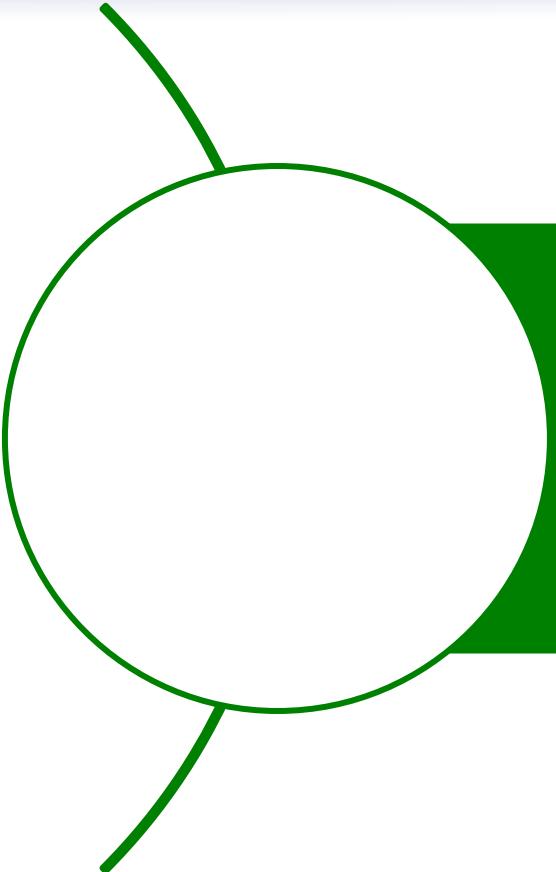
Year	STH		% SCH coverage	% LF coverage	TRA	ONCO *	
	% PSAC coverage	% SAC coverage				% Coverage 1st round	% Coverage 2nd round
1995	NA	NA	NA	NA	NA	54.5	26.3
1996	NA	NA	NA	NA	NA	47.2	22.2
1997	NA	NA	NA	NA	NA	51.2	21.5
1998	NA	NA	NA	NA	NA	62.4	28.1
1999	NA	NA	NA	NA	NA	63.5	31.9
2000	NA	NA	NA	NA	NA	84.0	59.4
2001	NA	NA	NA	1.8	NA	83.7	75.8
2002	NA	NA	NA	8.2	NA	86.0	87.0
2003	19.2	52.1	NA	17.1	NA	92.5	93.7
2004	23.4	52.0	NA	17.0	NA	93.7	94.5
2005	29.4	68.7	NA	19.8	NA	93.8	94.4
2006	22.8	43.1	10.1	3.2	NA	94.0	92.7
2007	6.9	33.7	8.1	8.9	NA	95.1	94.0
2008	12.5	40.5	5.0	22.1	NA	92.0	93.9
2009	19.0	44.2	2.0	29.6	0.1	92.9	93.3
2010	24.7	33.6	2.7	35.0	0.1	93.0	95.9
2011	28.9	33.3	1.7	72.5	0.1	92.9	95.3
2012	31.9	32.3	1.8	62.6	0.3	88.1	94.0

■ ■ ■ Minimum coverage required by disease: STH & SCH > 75%; LF >65%; TRA >80-100%; ONCO >85%

■ ■ ■ STH & SCH > 75%; LF <65%; TRA <80-100%; ONCO <85%

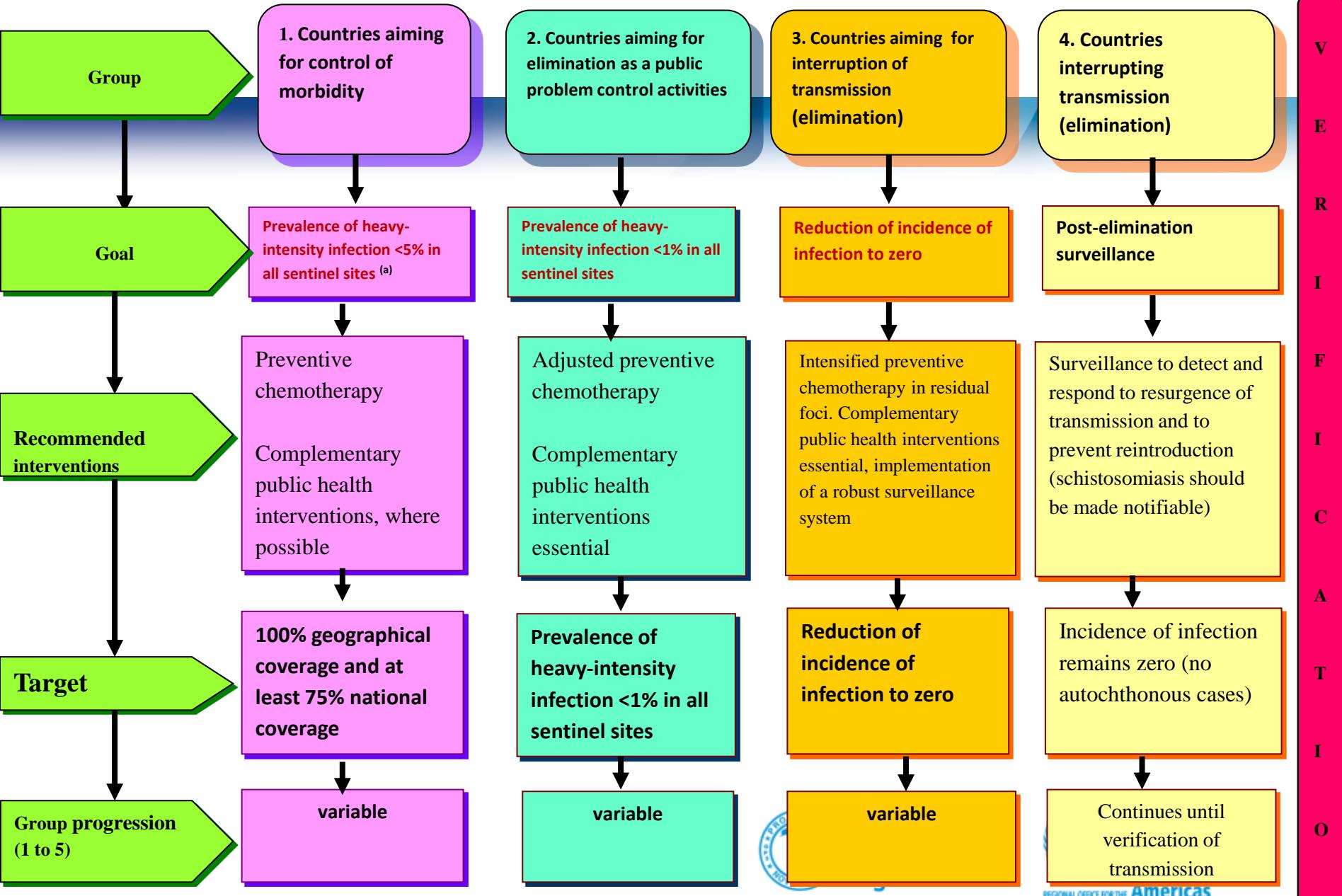
*Onchocerciasis elimination Program of the Americas -OEPA





Defining the road map towards SCH elimination in AMRO

Towards elimination of schistosomiasis



Source: Towards the elimination of Schistosomiasis procedures, criteria and strategies for the verification of interruption of transmission, WHO (Draft version)



Draft of the status towards the verification of elimination of SCH in AMRO, 2014

Control of morbidity	Enhanced control of morbidity	Interruption of transmission	Post-elimination surveillance	Verification
2	0	2	6	
Brazil? Venezuela?		Saint Lucia? Suriname?	Puerto Rico? Dominican Republic? Guadalupe? Puerto Rico? Montserrat? Antigua?	

WG1 SWOT analysis – Draft Challenges and opportunities

Challenges	Opportunities -Mitigation actions
Scale up and sustain MDA (Brazil and Venezuela)	Other NIDs MDA
Identify hot spots to enhance control (Suriname and Saint Lucia)	Inter programmatic approach
Post elimination surveillance	Partnership with academia and operational research organization and institutions
Verification criteria and process	Support of WHO, WG, STAG & others
Scale up and sustain the Morbidity Management and (MM)	Integrate MM into primary Health Care for universal coverage
Implement and sustain Integrated Vector Management	Inter-programmatic and intersectorial approach to implement more cost effective and sustainable interventions
Human and Financial resources	Resources mobilization
.....

WG 2 – Plan of action

Draft -Envisioning the end game of the SCH in AMRO

Thank you !



← *Melanoide tuberculata*
Saint Lucia, 2013

Marisa →
Dominican Republic, 2014

