

# **Polio Eradication**

*Major developments since April Sage*

- SAGE April recommendations
- Current epidemiology/context
- Major issues for SAGE guidance

## SAGE (April)

- draft a 'GPEI Strategic Plan/Budget, 2013-18'
- pursue pre-eradication tOPV-bOPV switch
- develop low-cost ID & IM IPV options
- closely monitor polio emergency action plans

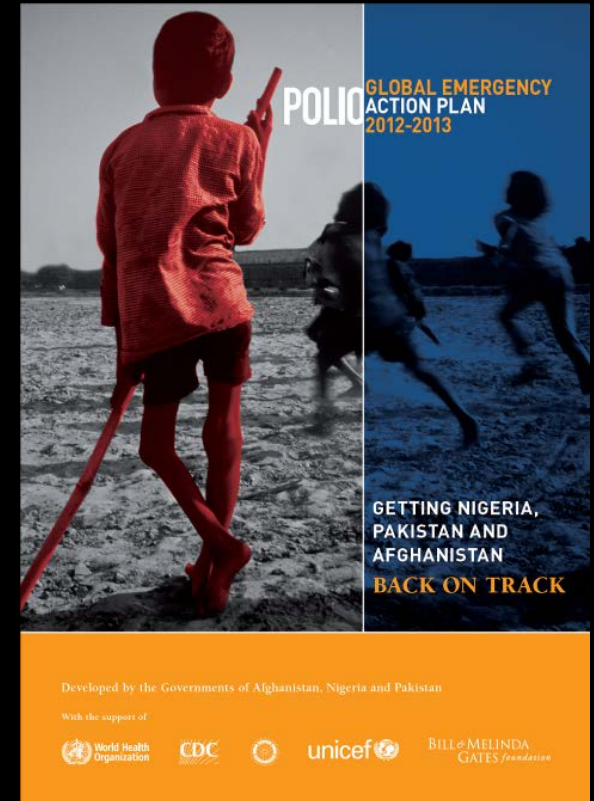
*Undertake broad consultations*

# *World Health Assembly*

*"DECLARES polio eradication an emergency for global public health...*

*...requests the Director-General to rapidly finalize a polio endgame plan, with a tOPV-bOPV switch".*

**25 May 2012**



Last type 2 wild poliovirus: 1999

*however.....*

**250-500 VAPP cases/year**

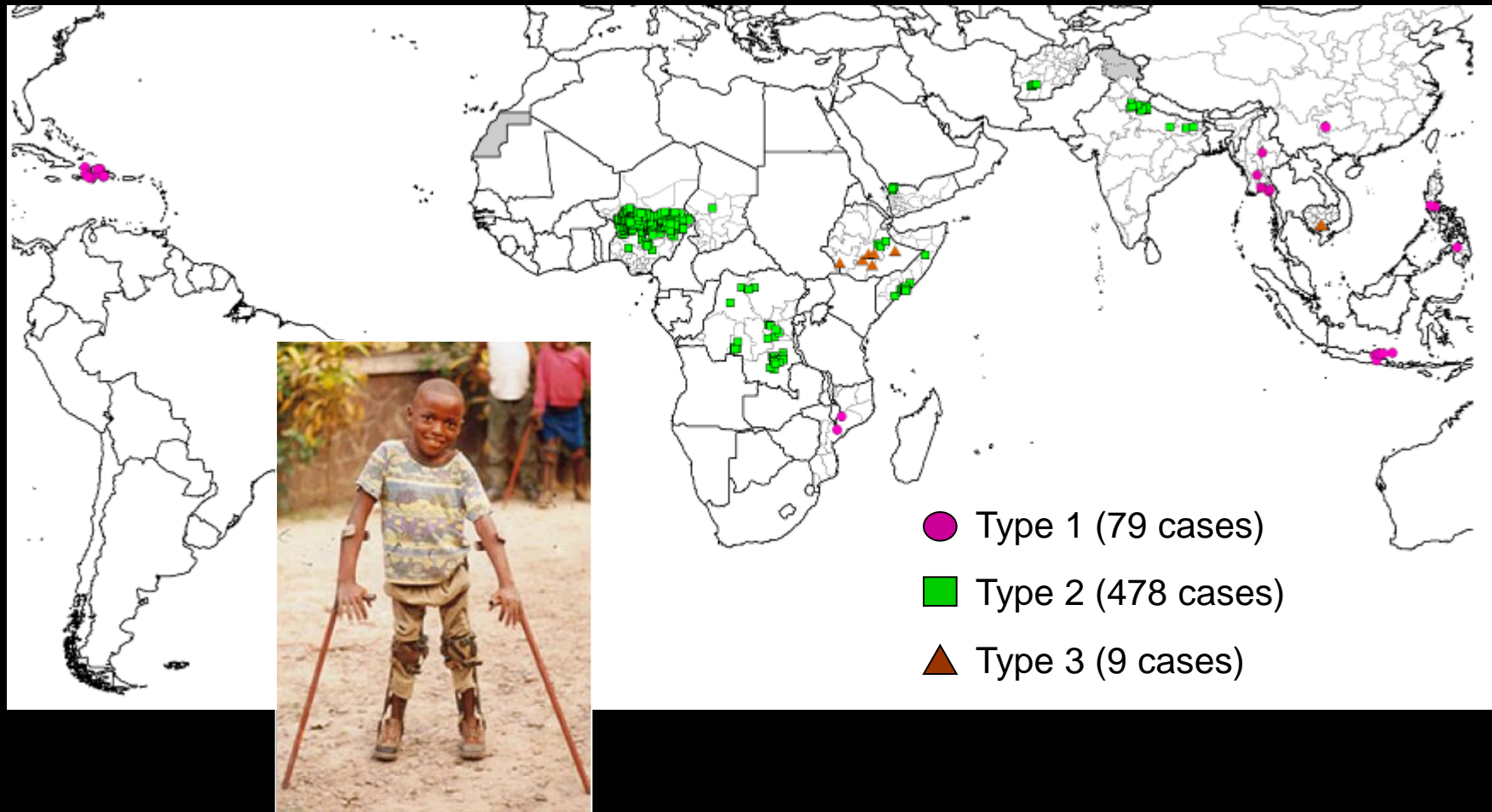
**(40% due to Sabin type 2)**



# Vaccine-derived polioviruses

- circulating (cVDPVs)
- 1° immunodeficiency (iVDPVs)

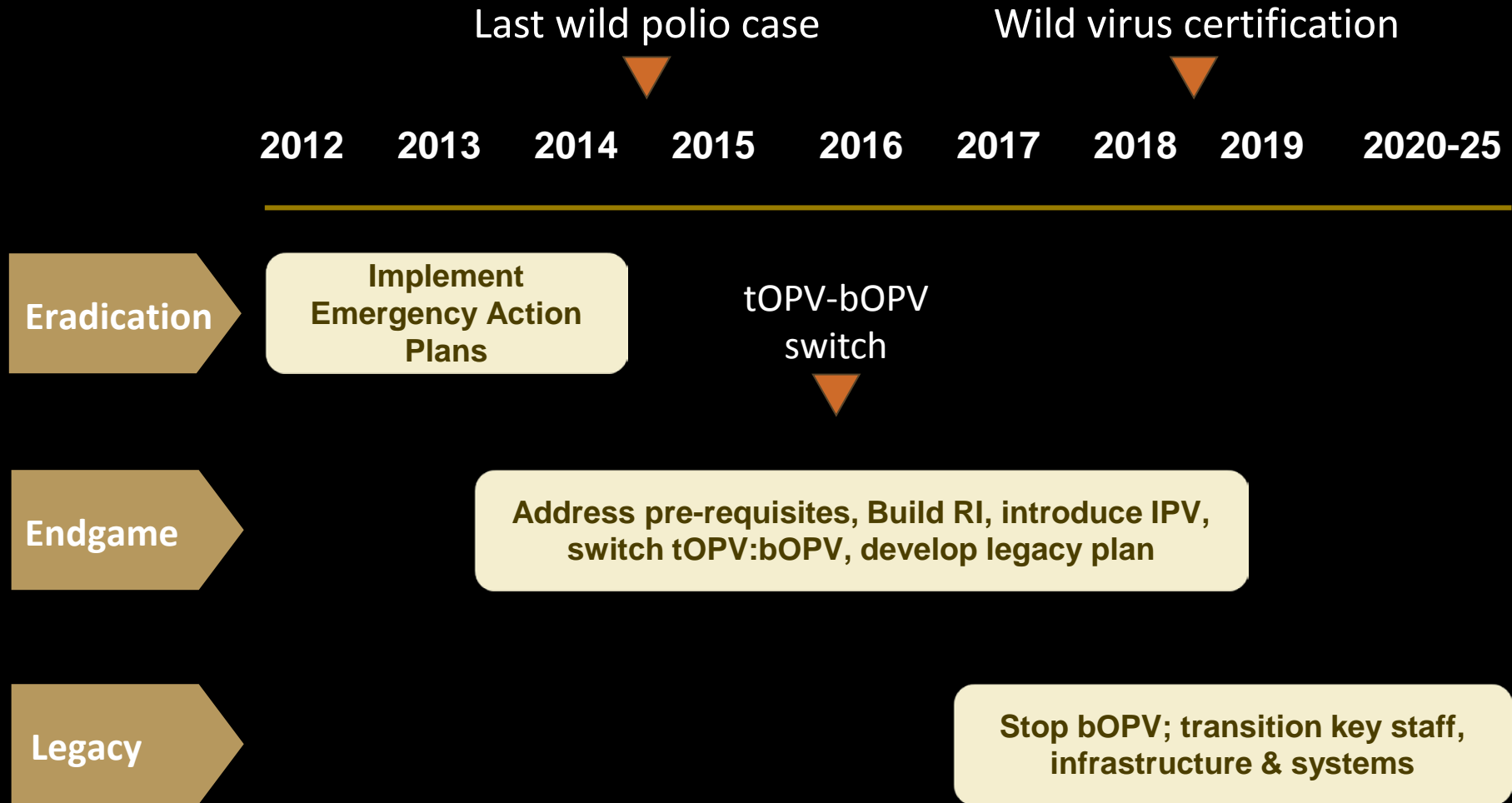
# *circulating Vaccine-Derived Poliovirus Outbreaks (cVDPVs), 2000-2011*





May	World Health Assembly
Jun	VDPV Expert Consultation
Aug	Global Certification Commission (GCC)
Aug/Nov	SEAR TAG, EMR TAG, PAHO TAG, AFR Expert Group
Aug	AFG/PAK Cross-Border Meeting; AFG Independent Evaluation
Sep	Nigeria Expert Review Committee (ERC)
Sep	SAGE Polio Working Group
Sep	IPAC
Sep	UN General Assembly Special Event
Sep/Oct	IPV Manufacturers Consultations
Sep/Oct	Independent Monitoring Board consultation
Sep/Nov	Polio Partners Group (PPG)
Oct	Regulatory agency consultations

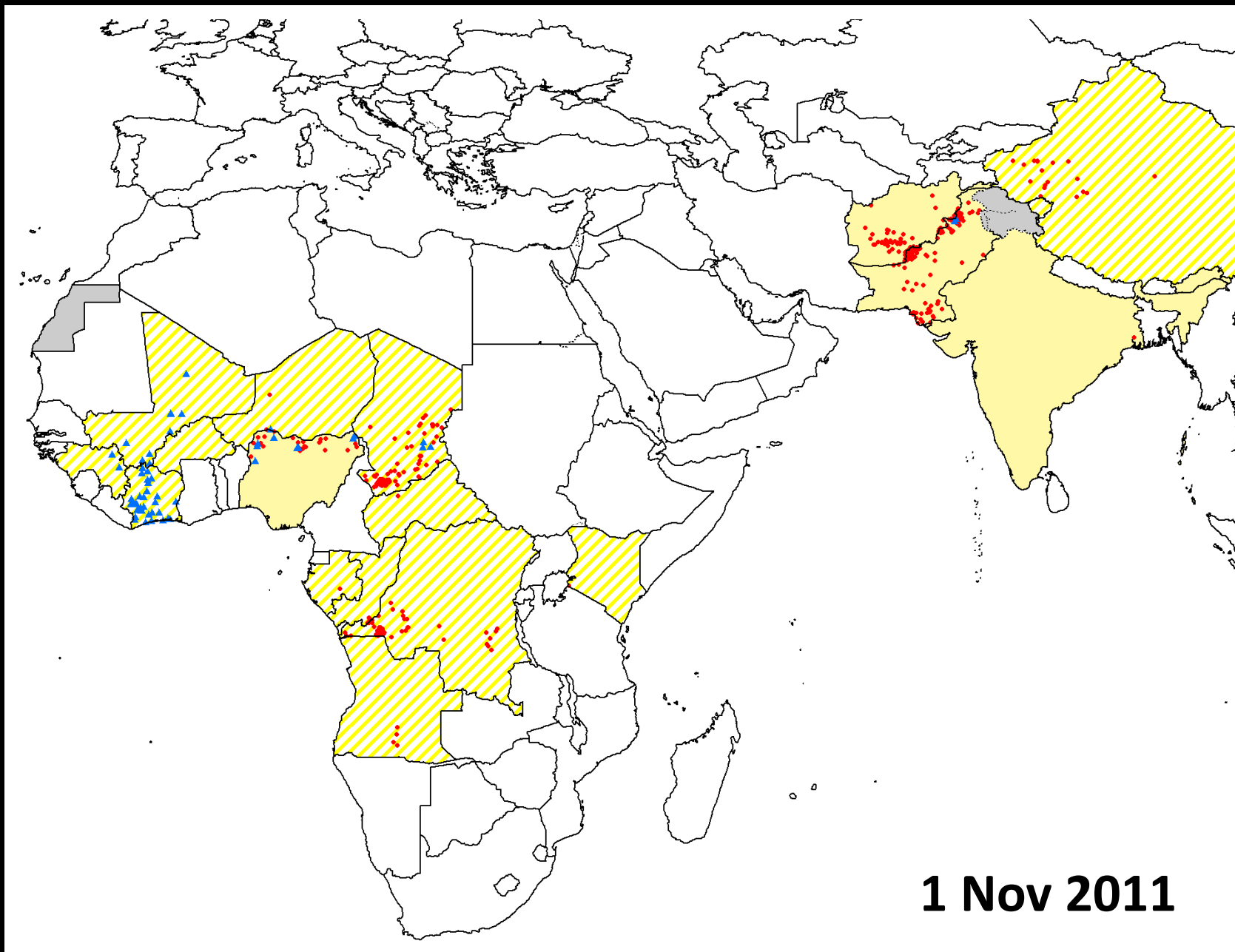
# ***Polio Eradication & Endgame Plan***

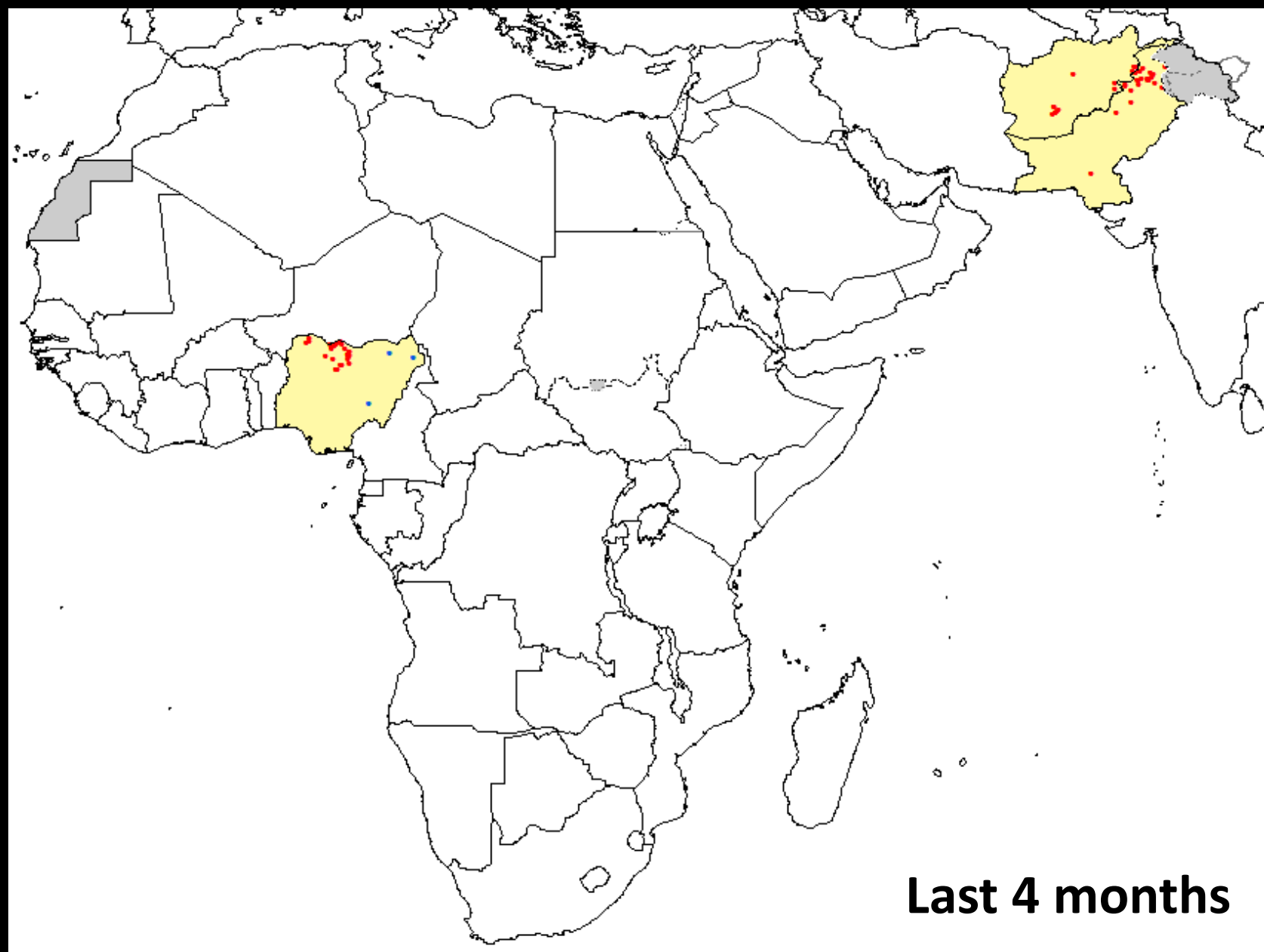


**Global Commission:** reaffirmed benefits of an early tOPV-bOPV switch; established process to 'conclude' type 2 eradication.

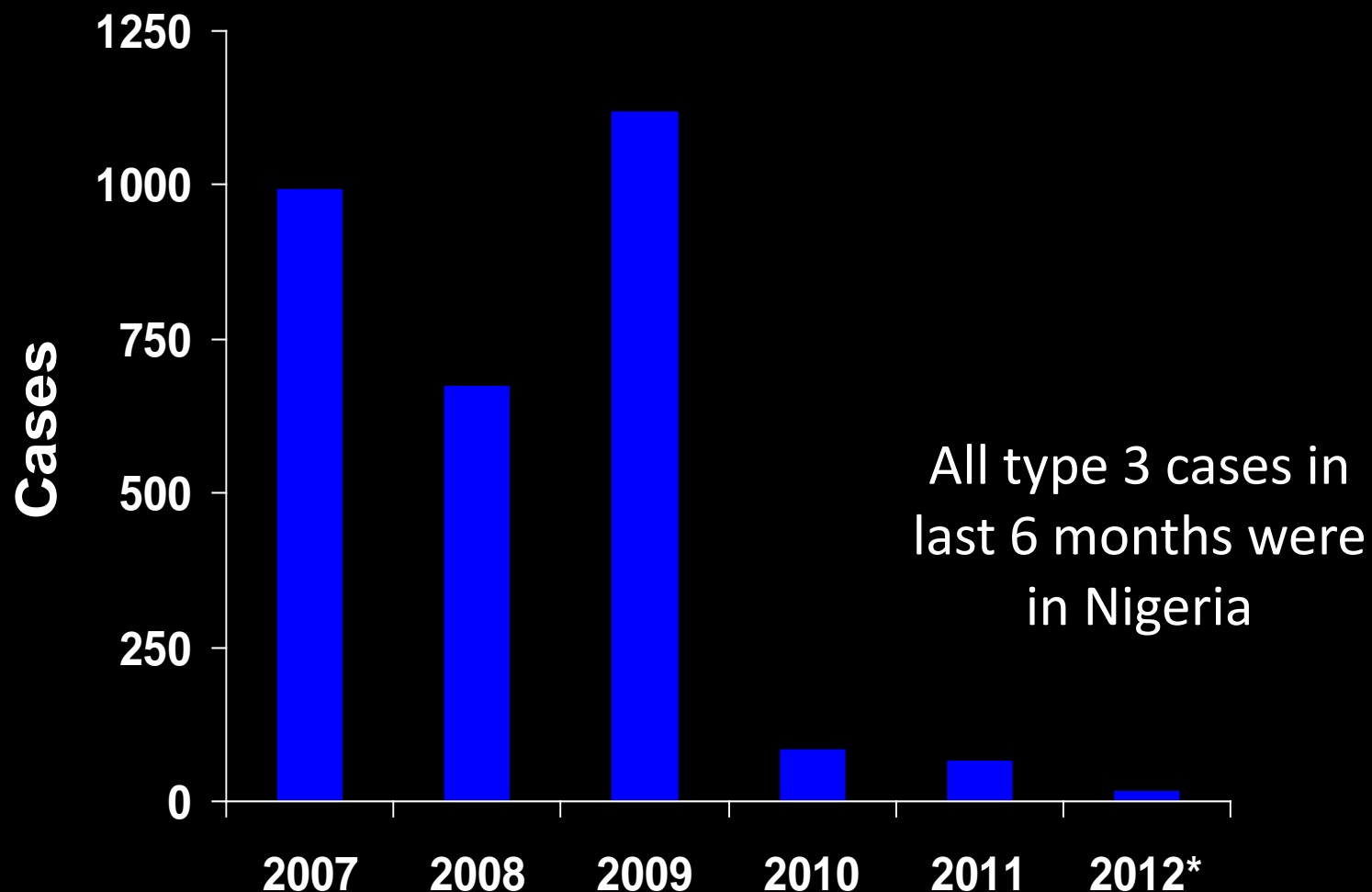
**Independent Monitoring Board:** expressed ongoing concern regarding the evidence that emergency action plans are having desired impact.

# **Current Epidemiology & Context**



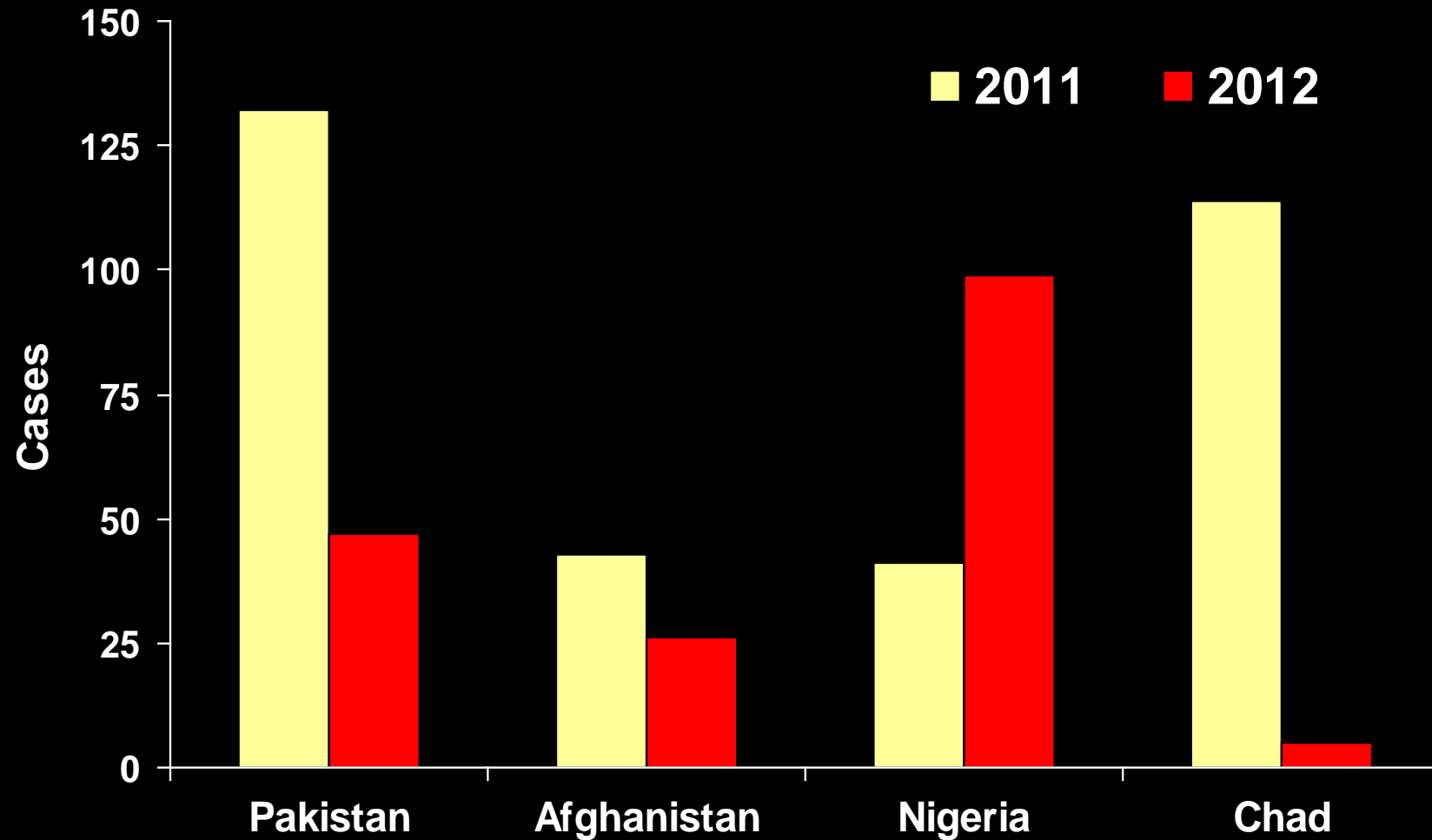


## *Polio, type 3 cases*



\* 29 Oct 2012: Nigeria = 17 cases (most recent 12 Aug); Pakistan = 2 cases (most recent 18 Apr)

## ***Polio-paralyzed children at 1 Nov 2011 vs. 2012***







**Muhammad Ishaq**

Polio Worker

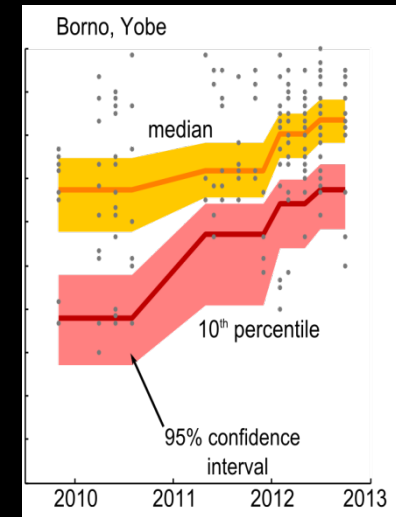
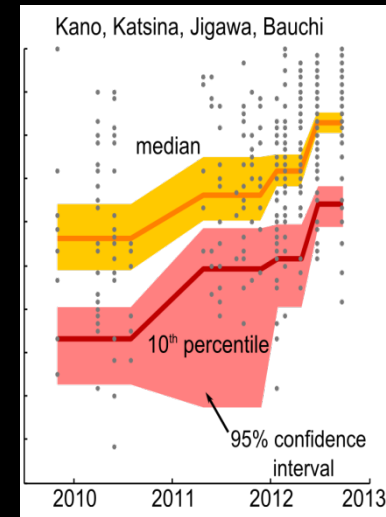
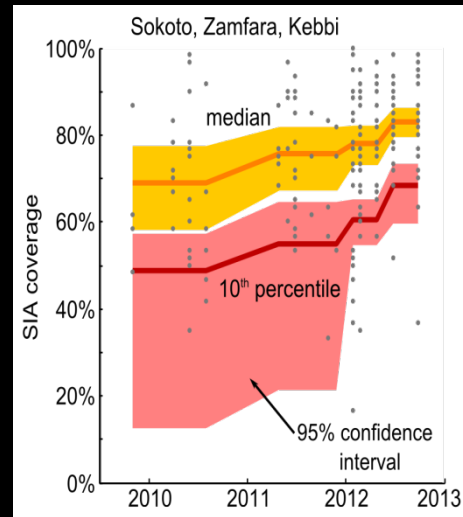
Died 19 July 2012

Gadap/Karachi, Pakistan

# Coverage Trends in Wild Virus Reservoirs

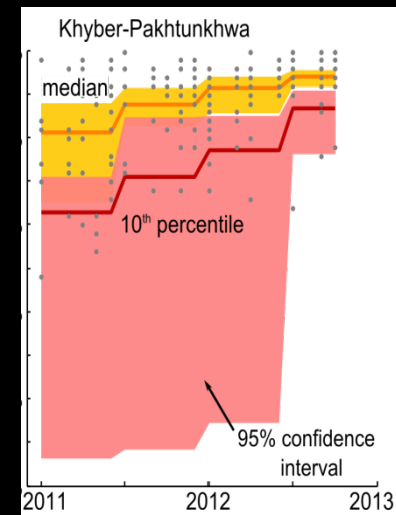
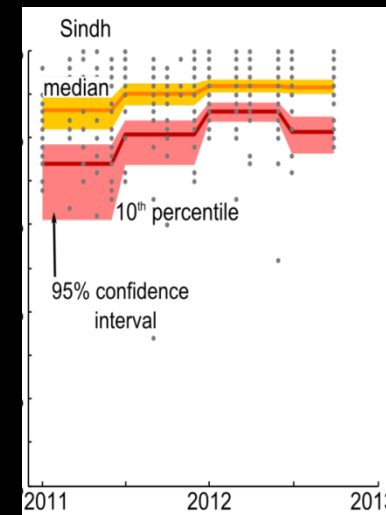
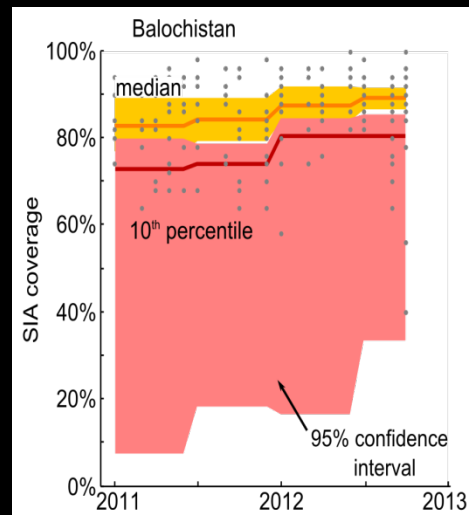
## Nigeria

LQAs analysis, worst-performing LGAs



## Pakistan

LQAs analysis, worst-performing districts



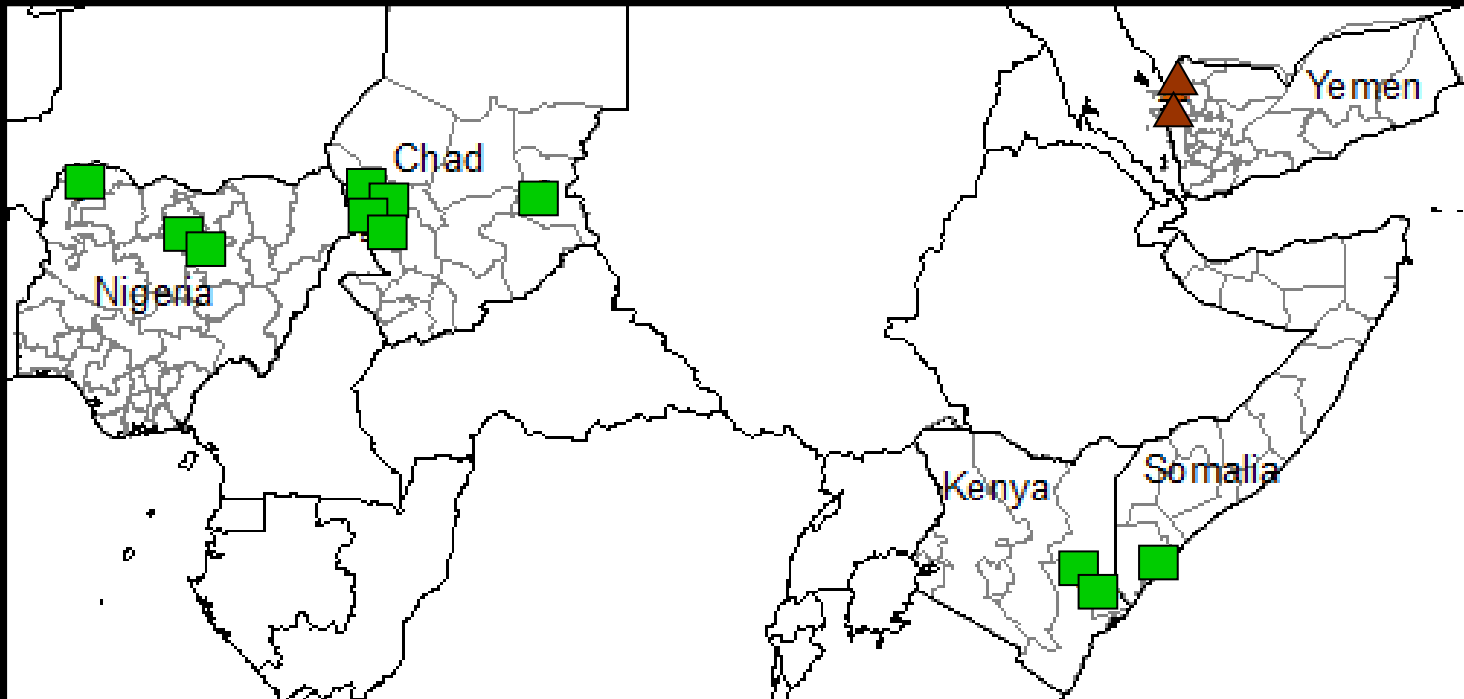
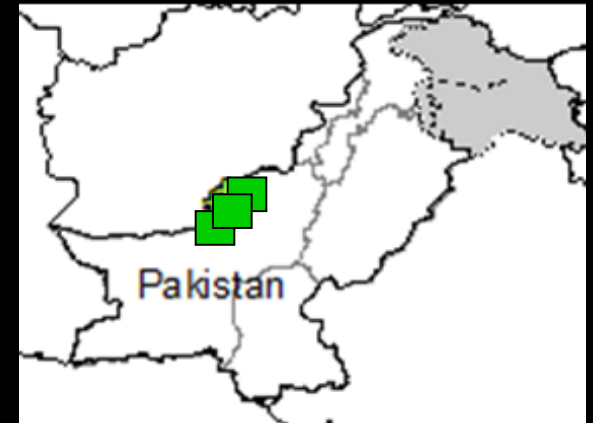


# UN General Assembly

Special Event on Polio,  
September 2012



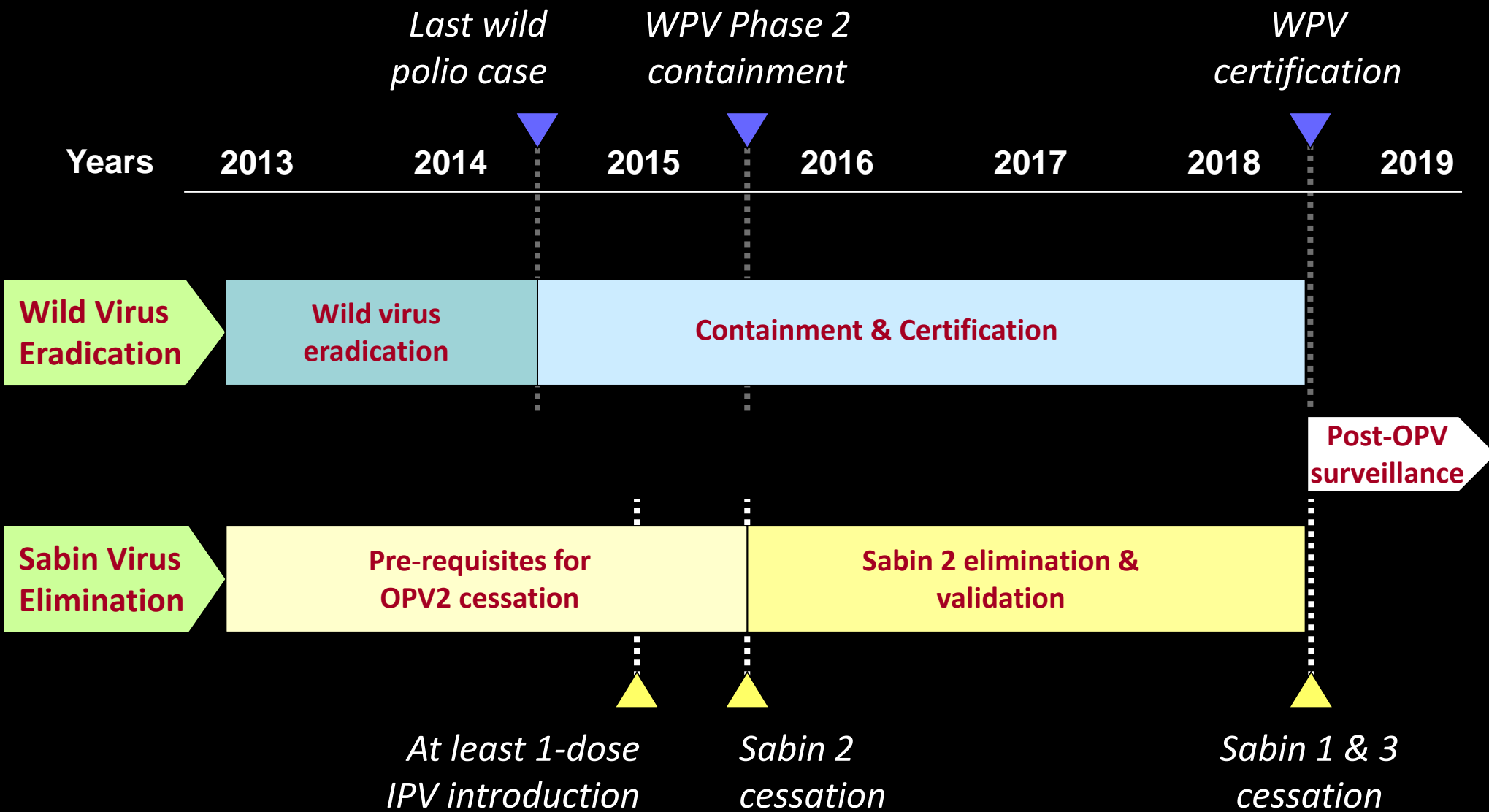
# *circulating Vaccine-Derived Poliovirus Outbreaks (cVDPVs) last 6 months*



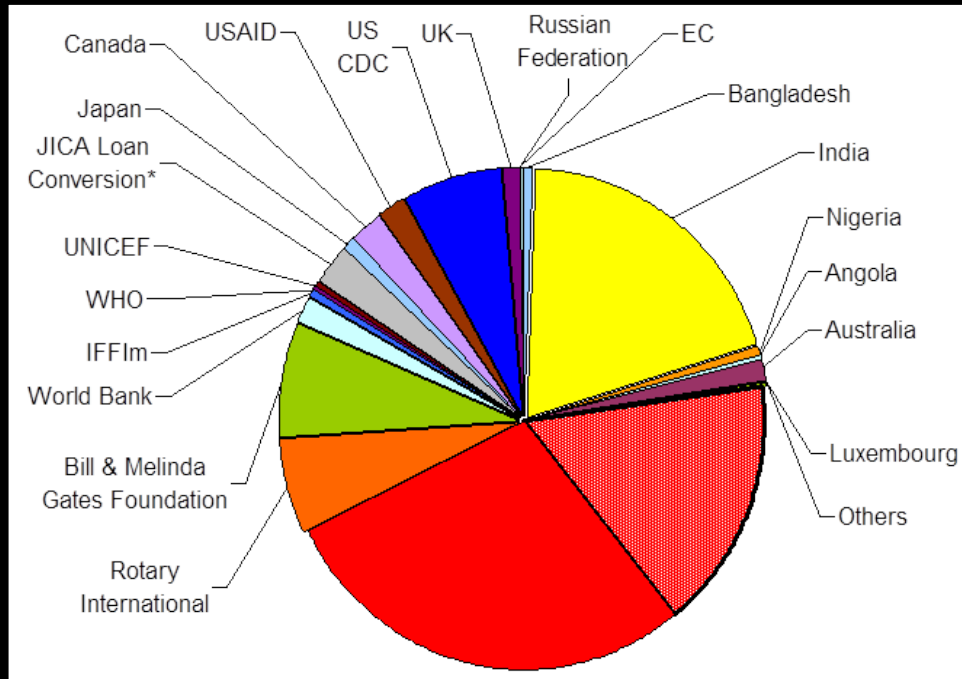
- Type 1 (0 cases)
- Type 2 (15 cases)
- ▲ Type 3 (2 cases)

# Strategic Plan: Major Objectives

- wild virus interruption
- Sabin 2 removal
- containment & certification
- legacy planning



# *Financing gap, 2012-13*



*OPV campaigns were cancelled in >25 high risk countries due to insufficient funds.*

<b>Current Gap:</b>	<b>US\$ 700 m</b>
<b><u>Firm Prospects:</u></b>	<b><u>US\$ 360 m</u></b>
<b><i>Best Case Gap:</i></b>	<b><i>US\$ 340 m</i></b>

# **Major Issues for SAGE Guidance**



- guidance on the Strategic Plan working draft & steps to revise it for Executive Board
- decision on IPV policy for a tOPV-bOPV switch
- advice on 'additional measures' to ensure timely completion of wild virus eradication