

# Yellow Fever vaccine supply

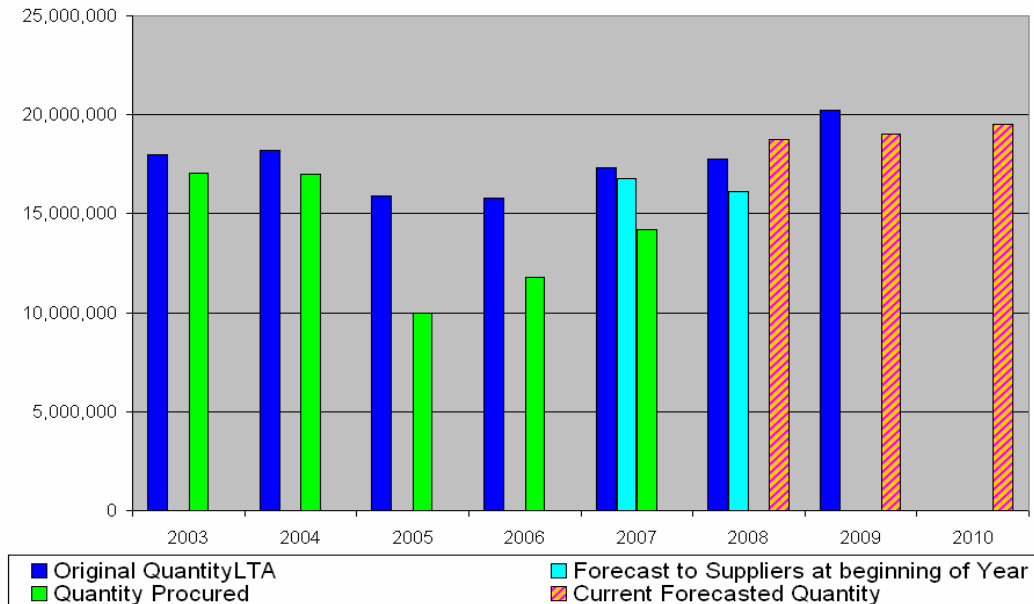
**Supplier meeting**

**UNICEF Supply Division 3-4 April 2008**

**Siri Bjornstad**

Yellow Fever vaccine	
<b>Demand Profile</b>	
Presentation	5, 10, 20 and 50 dose vials
Quantity	Routine: 16-20 mio ds, YF IC:++
Activity Split: Routine, Campaign	Routine, YF IC: Outbreak and Preventive campaigns
Demand Volatility: Urgency of Need, Reliability of Demand	<u>Routine</u> : Stable demand. <u>YF IC</u> : Preventive-Demand higher than anticipated, and increasing. Emergency outbreaks - urgency and stand-by capacity
Anticipated duration of Demand	Routine: Continuous, YF IC: => 2013 +
Trends	Marginal increase annually for routine. Substantial increase in demand under YF IC
<b>Market Profile</b>	
Development Stage	Maturing, yet fragile market
Market Status	3 WHO PQ products
Trends	More manufacturers seeking PQ
<b>Vaccine Security Status</b>	
Forecast Accuracy	Good
Funding Profile	Mainly GAVI
Contracting	3- year LTAs following RFP
Supply Status	Insufficient supply
Comments: ICGs important role in demand forecasts and timing	

# Routine programme – Procured quantities and future demand estimates



- Procure on behalf of 20 African countries

- Nigeria 48% (2007)

- 5 and 10 dose presentation preferred

- History: Increase with GAVI support from 2003. Supply issues and change in 1 country demand has decreased actual quantity procured (Nigeria in 2005 and 2006)**
- 2007: Supply issues alone responsible for actual quantity procured lower than LTA qty**
- LTAs covering 2007 – 2009 supply in place (3 manufacturers)**
- Stabilizing demand with slight annual increase (16-20 mio ds annually)**

# Stockpiles and Yellow Fever Investment Case (YF IC)

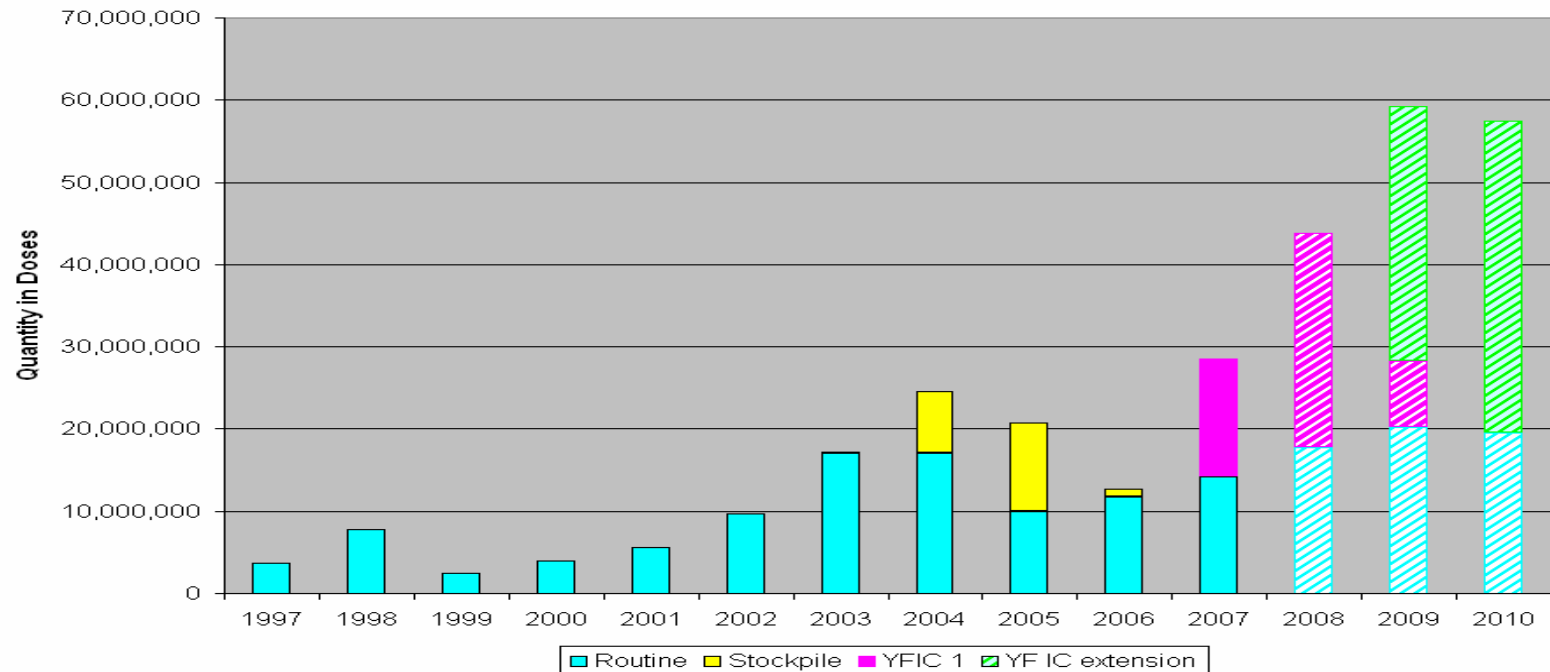
## 2003 - 2006: Annual stockpiles

- Annual GAVI financed stockpiles of 6 mio ds for outbreak response from 2003
- Quantity not used for outbreaks to be used for preventive campaigns the following year
- Firm, 1 year contracts

## 2007-2010: YF IC (GAVI)

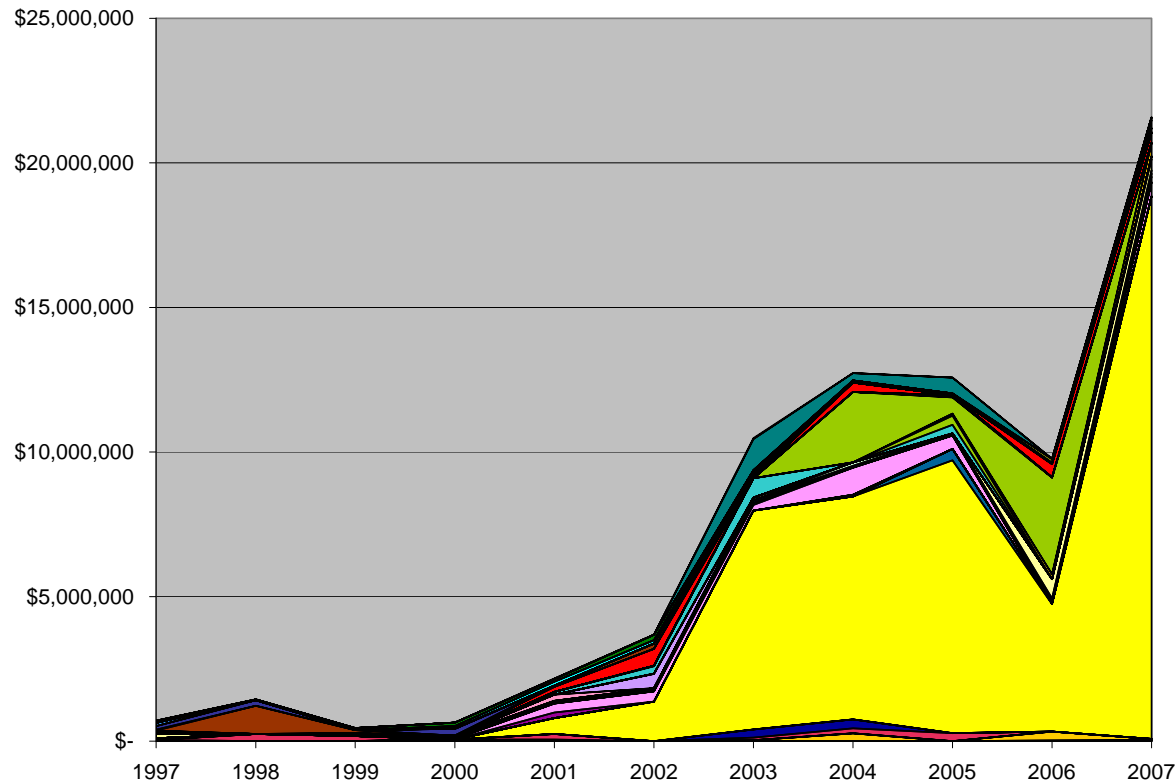
- Preventive campaigns + annual emergency stockpile of 6 mio ds.
- Emergency stockpile under firm contractual clause
- 48 million people in 12 West African countries, emergency response globally
- ICG plans preventive campaigns and approves request for vaccine (preventive and emergency)
- LTAs in place for YF IC I (Tender in Q4 2006 - 47 mio ds awarded for delivery 2007-2009)
- 10 and 20 dose presentations preferred

# Total YF demand – procured quantities and future demand estimates



- **Stable routine demand. Increase in YF IC demand 2009-2013**
- **YF IC I: Quantities on contract for 2008 and (partially) 2009**
- **Additional quantities under YF IC extension to be tendered for**

# Yellow Fever - Funding sources (US\$ Value)



Routine:  
75 % GAVI  
financed (=>  
2015)

Stockpile and YF  
IC vaccine 100%  
GAVI financed.  
YF IC IFFim  
funded

Nigeria

# Challenges

## Insufficient supply due to:

- **Substantial demand increase under YF IC**
- **Supply issues in 2007**
- **Brazil outbreak. Effect on Stockpile, and supply to Unicef, PAHO, Latin America**

**Main challenge: Build supply capacity prior to secure funding**

# Future opportunities

## Routine:

- **Forecast stable demand of 16-20 mio ds per year**
- **2010-2012 routine demand to be tendered for in upcoming EPI tender**

## YF IC:

- **2008 and (partial) 2009 quantities on contract and funded under YF IC I (demand higher than supply capacity)**
- **Additional demand of 150+ mio ds from 2009 until 2013 in YF IC Extension yet to be tendered for**
- **YF IC Extension being presented to GAVI at the June board meeting**
- **Tentative timing of tender is Q3 2008**

**Thank You**