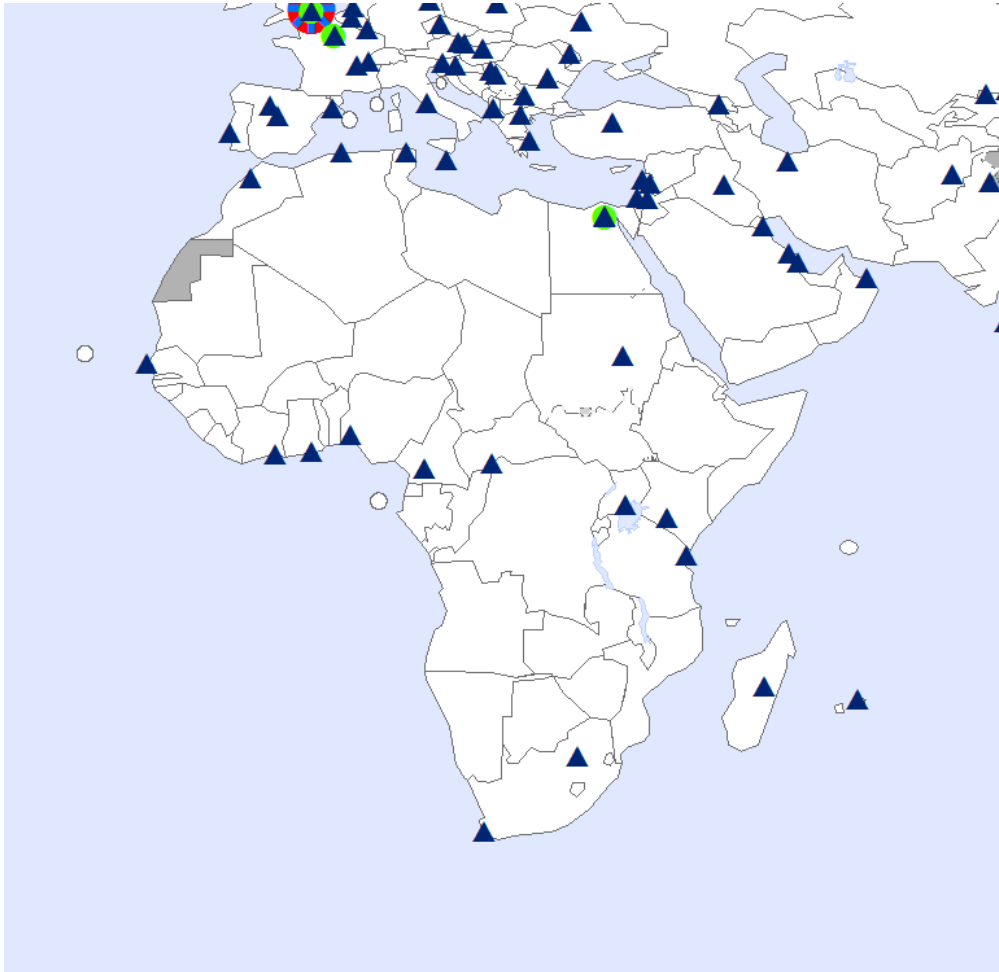


FLU SURVEILLANCE IN WHO - AFRO



NIC	15
Member States with NIC	13
Countries with Lab Capacity to Detect Influenza	30
WHO CC	0
H5 Reference labs	0

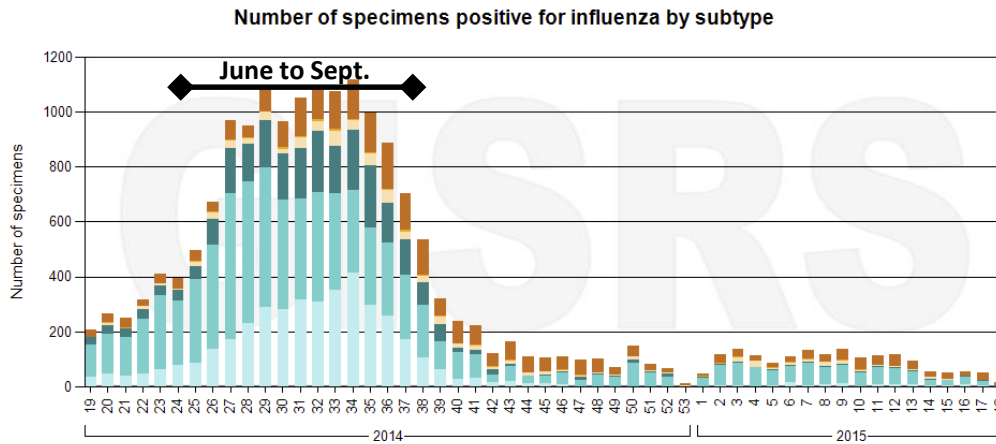
NATIONAL FLU CENTERS

- **Virus monitoring**
- **Laboratory diagnostics**
- **Research**
 - **flu disease burden studies inform vaccine policy;**
 - **avian flu at human-animal interface**
- **Capacity building, Communication and networking**

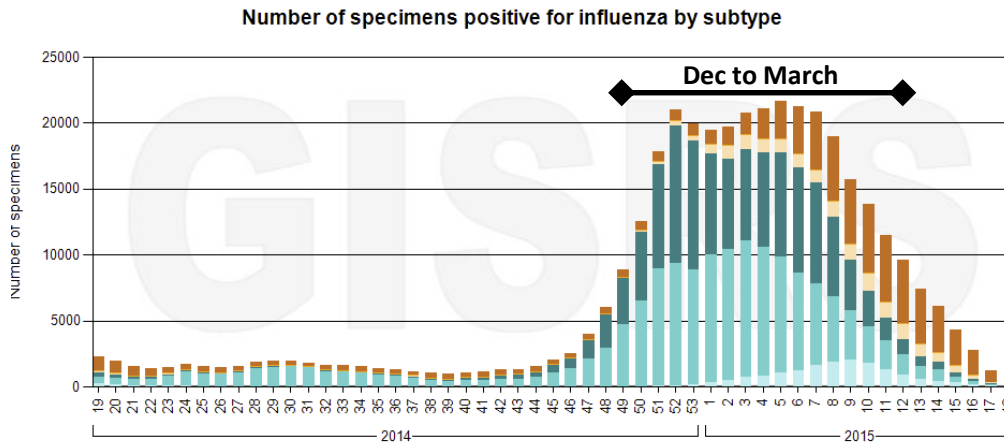
VIRUS SURVEILLANCE AND MONITORING

- **Annual surveillance of seasonal influenza viruses**
 - Data collection and sharing by NICs
 - Data analysis by WHO CCs
- **Detection and monitoring of unusual events**
 - H5N1, H7N9, H10N8, H5N8
- **WHO co-ordinates the sharing and analysis of virological data**

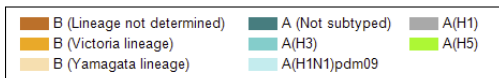
SEASONALITY OF INFLUENZA



Southern Hemisphere



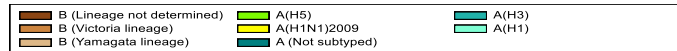
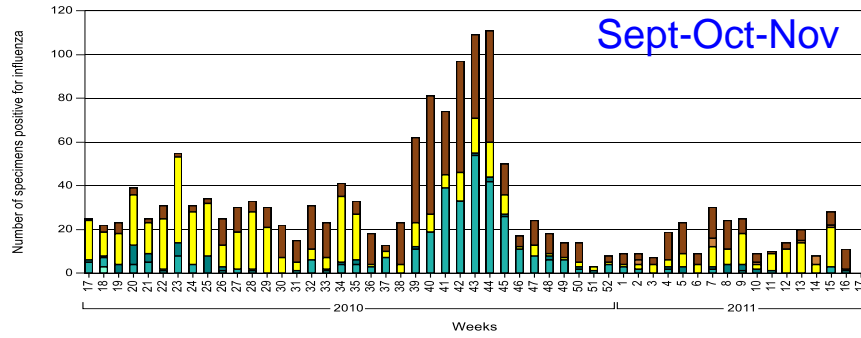
Northern Hemisphere



SEASONALITY OF INFLUENZA IN AFR

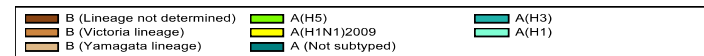
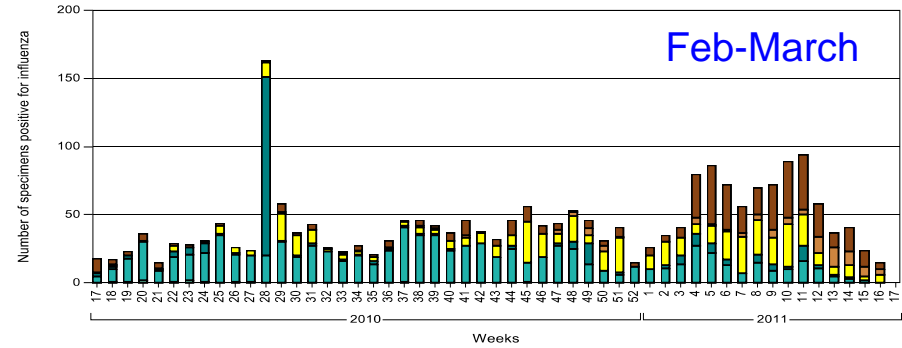
West

Number of specimens positive for influenza by subtypes



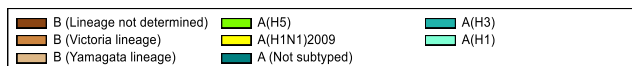
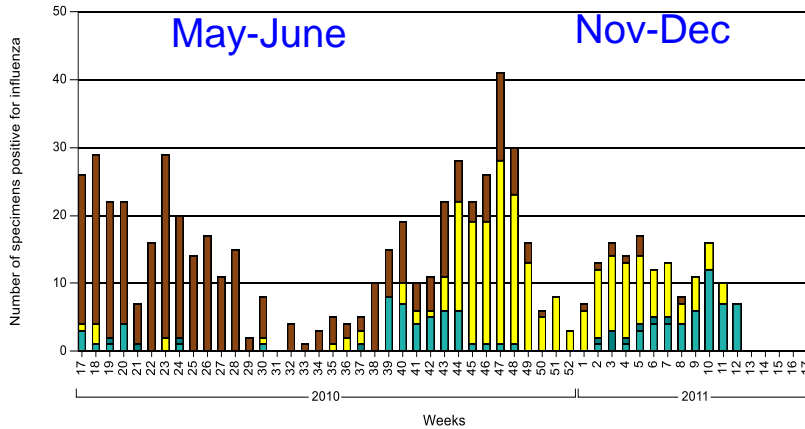
East

Number of specimens positive for influenza by subtypes



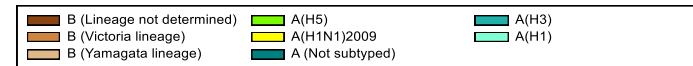
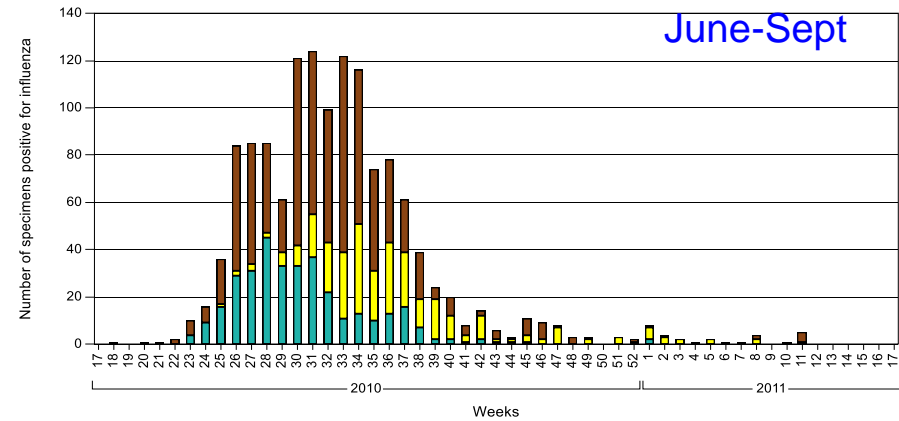
Central

Number of specimens positive for influenza by subtypes

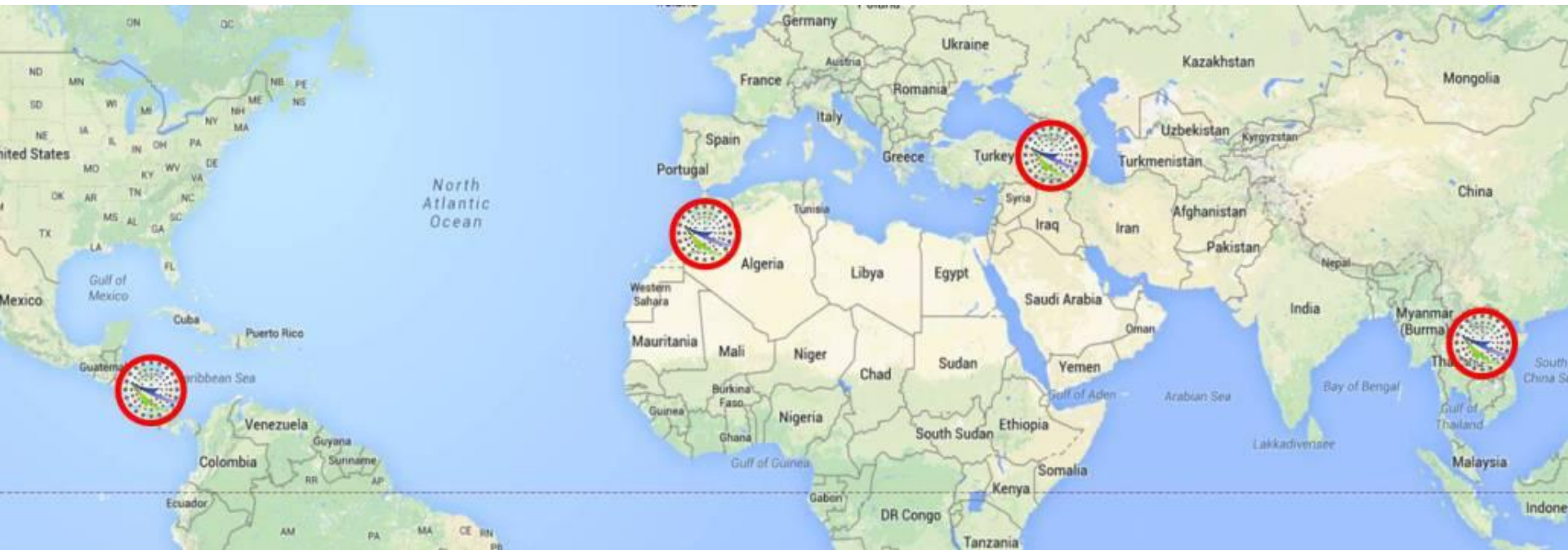


South

Number of specimens positive for influenza by subtypes



PARTNERSHIP FOR FLU VACCINE INTRO



**Morocco joined PIVA 2014/2015 NH flu season focus on
healthcare workers and persons with chronic diseases- diabetes
PIVI's first middle-income country
Cote D'Ivoire**

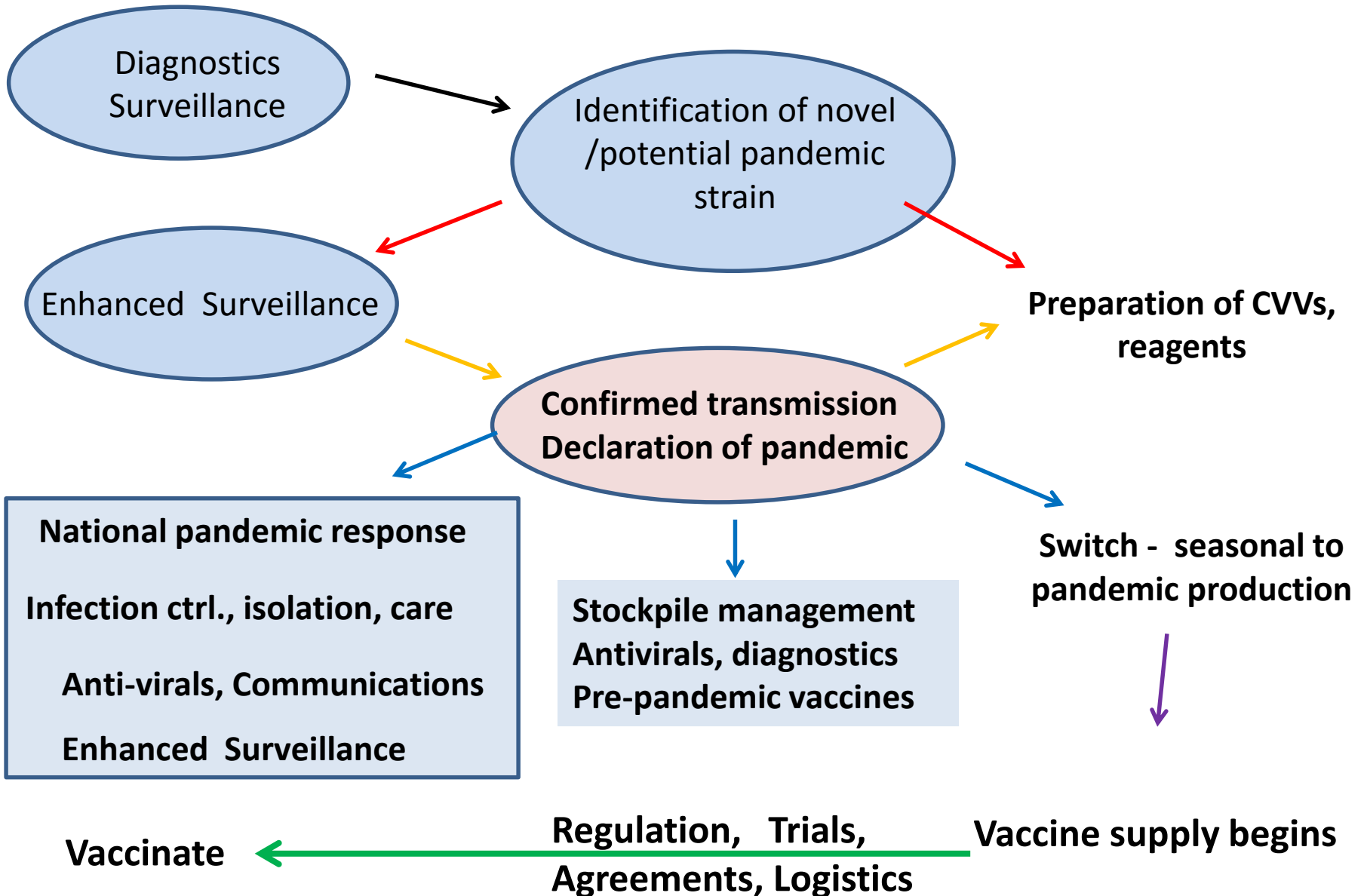
AFR COUNTRIES NOW CONDUCTING FLU SURVEILLANCE?

- Reasons - countries either do not offer routine flu immunization programs just begun recently

BARRIERS

- Low public perception of risk of contracting flu
- Flu vaccine effectiveness issues?
- Side effect of flu vaccine questions?
- Lack of national policies on influenza vaccination
- Cost and availability of the vaccine.

Pandemic Flu Situation



Flu vaccine response in a pandemic- GAPIII

Bottlenecks

- Production still short of global needs
- Switch complicated
- Production slow, will take several months
- Logistics complex
- Import/export permits and liability issues etc.
- Registration
- Delivery - weak health systems, hesitancy/acceptance by pop.
- Funding for R&D of better vaccines



The vaccine response to a pandemic- GAPIII

Opportunities

- PIP Framework
- Adjuvants
- Improved regulation - prequalification etc.
- Communication strategies
- Policy development
- Better vaccines - faster / broad spectrum

***The Forest not only Hides Man's Enemies
But its Full of Man's Medicine
Healing Power and Food***

