

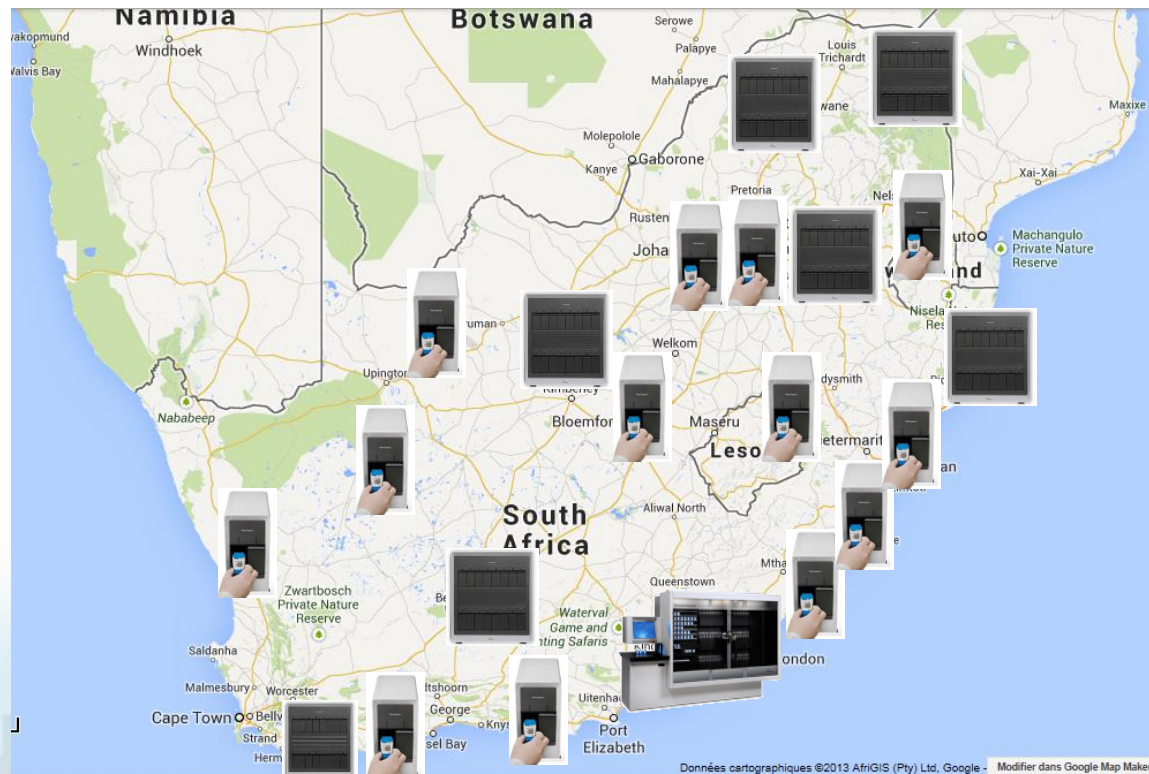
RemoteXpert program

Update April 2014



Xpert MTB rollout questions in High Burden countries

- **Initial requirement to monitor GeneXpert systems remotely:**
 - How many tests are being performed
 - Identify system or user training issues
 - Monitor disease / resistance treatment logistics



Pilot Package

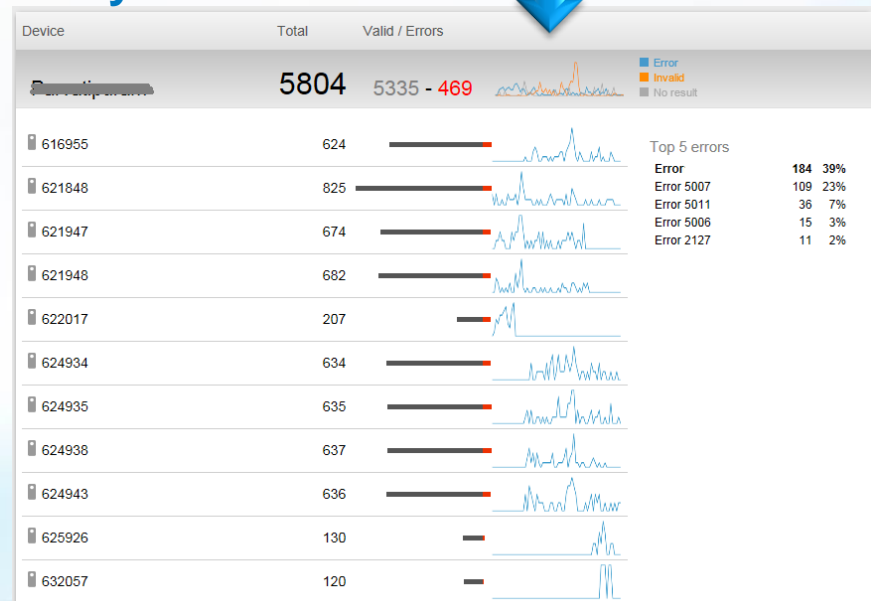
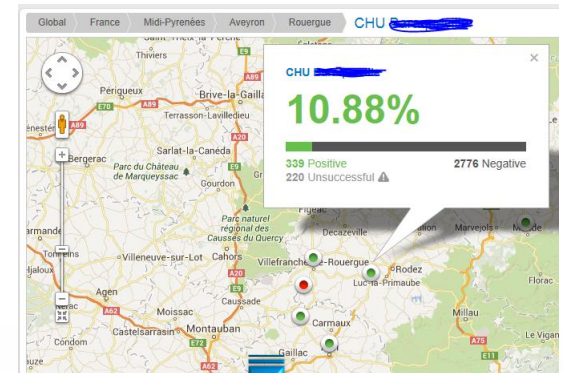
(tested by NHLS & FIND India today, 1,8M+ test results)

- **Functionalities**

- Geographical Disease Trending
- Error trending per GX operator and module
- Aggregate reports per region
- Export test results to Excel
- Control reporting for each GeneXpert system
- User access rights

- **Components**

- Pilot reporter software on the GX
- Pilot RUO web application

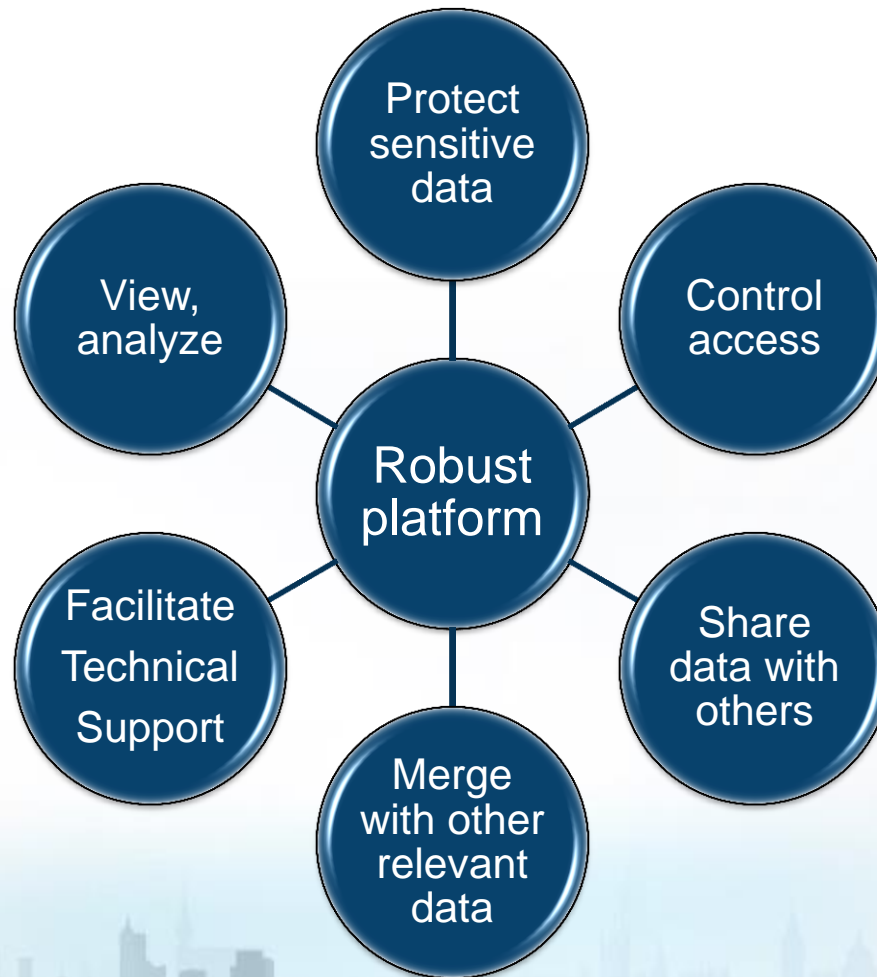


(simulated data)

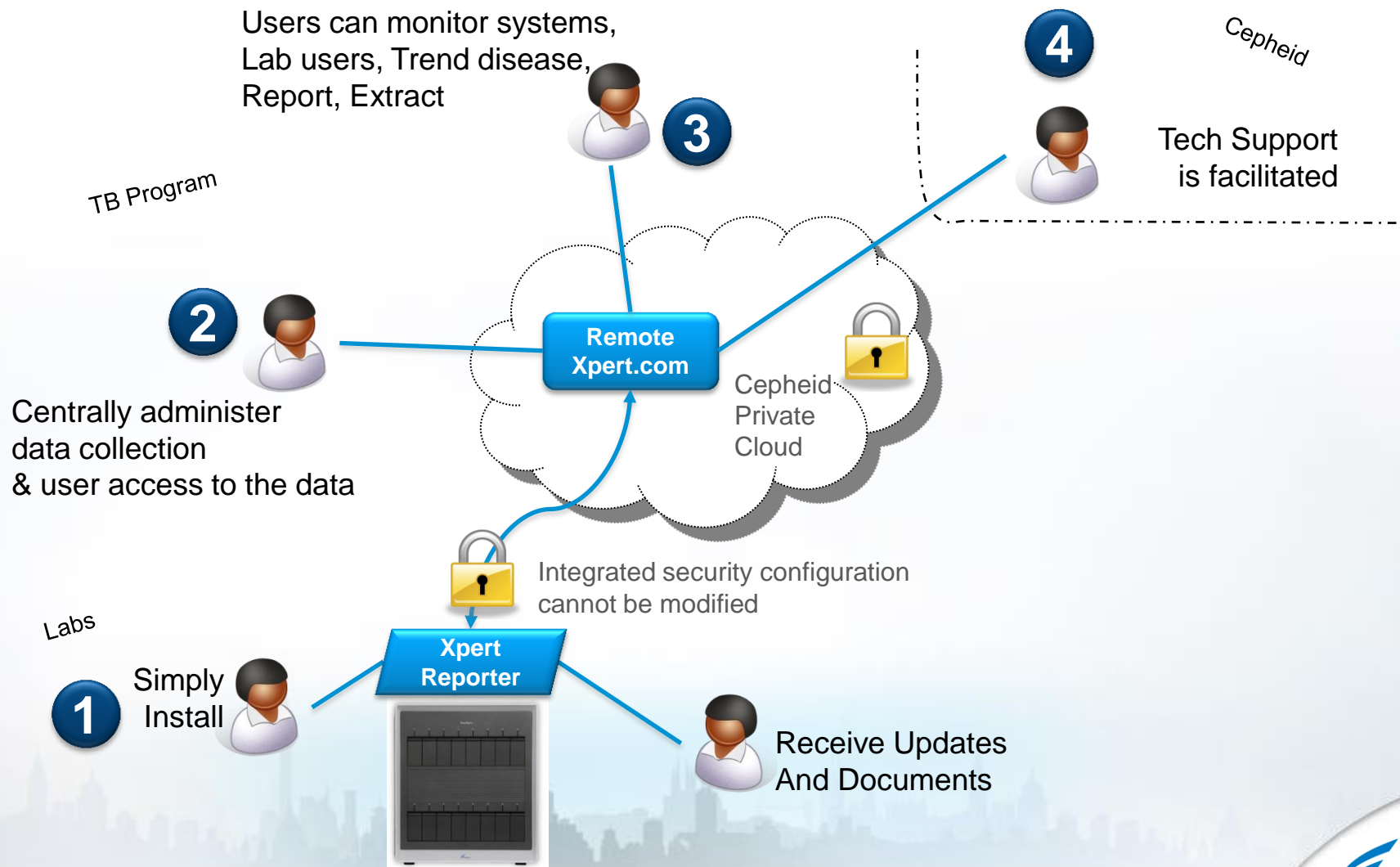
March 2014: 1,850,000 test results

Next step: product launch

RemoteXpert v.1 – Q3 2014



RemoteXpert v.1 – Q3 2014



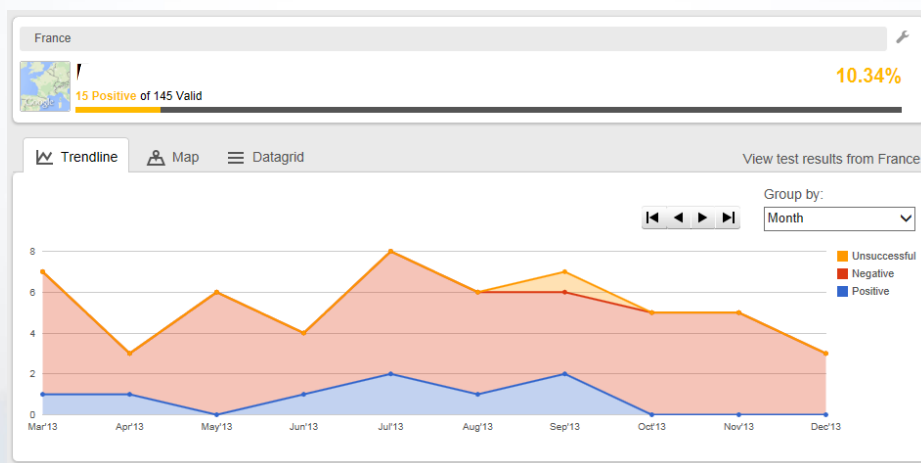
RemoteXpert v.1 - Q3 2014

Features:

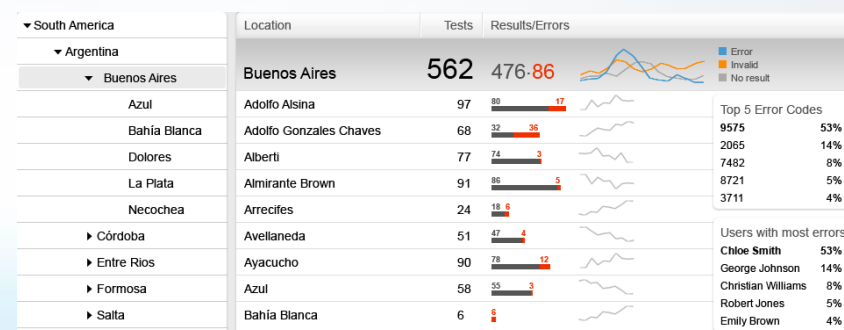
- **Collects and aggregates test results from GeneXpert systems**
- **The customer controls what is collected and who can access**
- **Automated, requires minimal user action on the GeneXpert**
- **Provides historical and geographic trending**
- **Provides error trending**
- **Append data to test results (demographics, algorithm used, ..)**
- **Share data with authorized institutions (full or summary level)**
- **Data export for authorised users**
- **Tech support tools for most frequent cases (logs, test data, ..)**
- **Push document to GX system (user training)**
- **Supports GX system replacement or relocation to a different lab**
- **Remote upgrade of the Reporter application**

Implementation steps

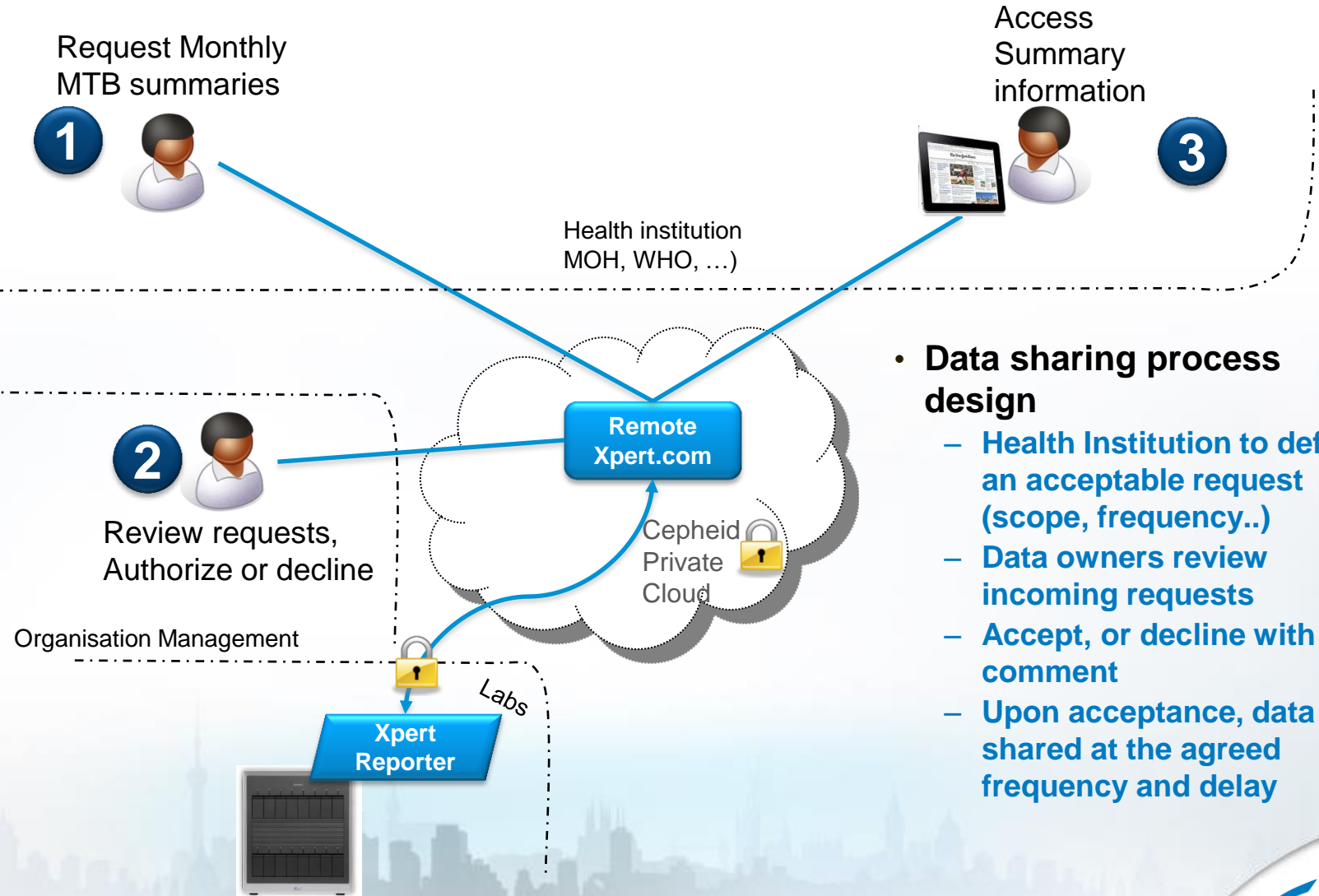
- Register to use RemoteXpert
 - Cepheid will train a data administrator in the customer organisation
- Define which data is collected
 - Which assays, timeline, detail level
- Install the Reporter on the GeneXpert systems
- Defines users in the organisation and their access rights
 - Define user's visibility: Regions / Labs
 - Allow data view types (medical, technical ...)
- Enjoy the views



(simulated data)



Data Sharing process



• Data sharing process design

- Health Institution to define an acceptable request (scope, frequency..)
- Data owners review incoming requests
- Accept, or decline with a comment
- Upon acceptance, data is shared at the agreed frequency and delay

RemoteXpert program

Thank you

