Motivation and interest for countries to contribute with data

Alena Skrahina, Minsk, Belarus
45th Union World Conference on Lung Health
Barcelona, Spain
Belarus TB epidemiology

TB

TB mortality

MDR-TB

TB/HIV
Our experience with gene sequencing

  Drug resistance-related mutations in multidrug-resistant Mycobacterium tuberculosis isolates from diverse geographical regions
  *International Journal of Mycobacteriology, Volume 1, Issue 3, Pages 124-130, September 2012*

• Zalutskaya A., Wijkander M., Skrahina A., Hoffner S.
  Results of spoligotyping of M. tuberculosis strains isolated in Belarus

• Aksana Zalutskaya, Maria Wijkander, Pontus Jureen, Alena Skrahina, Sven Hoffner
  Multidrug-resistant Myobacterium tuberculosis caused by the Beijing genotype and a specific T1 genotype clone (SIT266) is widely transmitted in Minsk
  *International Journal of Mycobacteriology, IJMYCO 86, 6 September 2013, in press*

• Participating to the multi-country surveillance project on pyrazinamide and moxifloxacin resistance coordinated by WHO (2013-2015)
Available data in addition to sequencing

- Phenotypic strain characteristics (first- and second-line)
- Personal
- Social
- Clinical (pulmonary, EPTB, rapidly progressive etc.)
- Radiology (Ch-X-Ray, CT, MRI)
- History
- Risk factors
- Current treatment details
- Previous treatment details
- Detailed info on anti-TB drugs use
- HIV detailed info

Belarus is interested and ready to contribute to a global sequencing database
Requirements for data sharing

1. Signed agreement between NTP and those receiving data

2. NTP to be involved in any publications related to the data shared

3. NTP to receive support on interpretation of sequencing data for clinical and programmatic use

4. Early access to any diagnostic tools developed with shared data at preferential price
Thank you for your attention