

Integrating genomic data into surveillance and multi-country outbreak investigation - French NRCs wishes and expectations

Stratégies de l'ECDC en matière de séquençage : attentes de quelques CNR impliqués

Muhamed-Kheir Taha, CNR Méningocoques et Haemophilus influenzae

Marc Lecuit, CNR Listeria

Jacques Izopet, CNR Virus des hépatites à transmission entérique (hépatites A et E)

Sylvie van der Werf, CNR Virus des infections respiratoires (dont la grippe)

Vincent Jarlier, CNR des Mycobactéries et de la résistance des mycobactéries aux antituberculeux

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- Networking with involved NRCs (or ad-hoc member state representatives) that have expertise in performing and analyzing NGS and epidemiological data
- Animating the networks in a **collegial management style** ensuring harmonious governance (**bottom-up approach**)
- Coordinating information exchanges within the networks
- Endorsing the medical, epidemiological & technical targets identified by the networks
- Promoting the conclusions produced by the networks and disseminating reports to EU/EA member states
- Helping harmonization of methods within the networks
- **Alternatively** to create new network, **supporting already existing networks** with similar expertise (e.g. EISN, former EISS/CNRL)

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- Helping the development of European technical guidance (e.g.: ERLN-TB handbook) or approving/endorsing already existing ones
- Helping to organize, and financing, quality assurance studies at European level such as inter-NRC proficiency testing and EQAs (e.g.: EQAs provided in the frame of ERLN-TB network)
- Promote technical workshops and/or working groups, e.g. to foster new methodological developments
- Promote the initiation of studies through a **bottom-up approach**
- Building capacity in countries that need it

Some other specific issues (not limited to)

- Data analysis pipelines
- Data storage and potential sharing formats
- Integration of medical, epidemiological & genomic data
- Relevance of NGS data for identifying phenotypic traits and evolutionary trends