Matchmaker Exchange

Matchmaker Exchange Service Requirements

To become a Matchmaker Exchange (MME) service, each new site must achieve the following:

1. Require users to deposit case data to undertake a federated query across the MME service providers

2. Establish a minimum of two point-to-point API connections to other MME services

3. Contain content that is considered by the MME Steering Committee (SC) to be useful for matching, including the flagging of, or ability to prioritize, candidate genes

4. Successfully implement matching algorithms using test data

5. Notify submitter (querier) and depositor (queried) of matches according to user expectations (http://www.matchmakerexchange.org/assets/files/MME_Matching_Protocols_and_Notification_Method_2017-04-03.pdf)

6. For each database to which a MME service is connected by an API, the connected database's disclaimers should be posted on the MME service's website and displayed with query results. Disclaimers can be found on GitHub (https://github.com/ga4gh/mme-apis)

7. Store queries sent and received between MME sites only for the purpose of auditing, defining query statistics, and following up queries to understand rates of validated gene discovery

8. Attest to the Security Technology Infrastructure defined by the Global Alliance for Genomics and Health (GA4GH) Security Working Group (https://genomicsandhealth.org/work-products-demonstration-projects/security-infrastructure)

9. Advance the goals of the MME project through active participation in meetings and conference calls including defining a representative for the MME SC

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