

FAIR genomes: a national guideline to promote optimal (re)use of NGS data in research and healthcare

Update WP1: Unifying workflow and manual to promote FAIRness of NGS data & 1+MG

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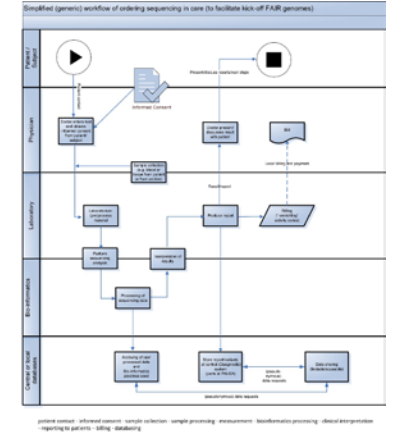




WP1:

Results so far:

- Work/process/data flow of NGS
- Contribution “Draft of Recommendations for WGS in genome diagnostics for rare disease”
- Best practices inventory: e.g. <https://www.ga4gh.org/genomic-data-toolkit/>
- Tools to ease implementation of (parts of) the guideline
 - iCRF generator (output from KWF TraIT2Health-RI project) : generate CRF(s) based on established and published codebooks @Nictiz
 - *All codebooks we produce: establish & publish @Nictiz?*
- 1+MG (co-lead of WG3 details later): contributions to (dynamic) roadmap (adopted yesterday)
- Participation in stream 1 & 2 FAIRgenomes
 - Results so far (clinical, sample, IC, ..): [shared google document](#)





WP1: next steps

Continue with unifying workflow and manual to promote FAIRness of NGS data

With subtopics (updates by):

- Guideline module informed consent: Daphne
- Guideline module (patient/subject to) sample to data: Joeri
- Guideline module from data to meaning: Peter-Bram+Gurnoor
- Guideline technical solutions/implementation(s): Jeroen Laros



1+MG:

- 1+MG is a EU-member state initiative (supported and financed by member states, incl NL)
 - *1+MG initiative receives no direct EU-funding*
- 1+MG has 10 working groups
- I have, on behalf of NL, been asked to co-lead WG3 “Common standards and min. dataset for clinical and phenotypic data”
 - co-lead Augusto Rendon Genomics England (Brexit???)
- Each country has or is setting up a national mirror group (NMG;mimicking 1+MG structure)
- ZonMW funded:
 - FAIRgenomes
 - NMG-NL received start funding to establish NL-1+MG-actionplan



1+MG:

- Last November we (ELIXIR coordination & large group from 1+MG) applied for CSA grant: SC1-HCC-06-2020: Coordination and Support to better data and secure cross-border digital infrastructures building on European capacities for genomics and personalised medicine
- Results FAIRgenomes:
 - FAIRgenomes is input from NL in 1+MG
 - Relevant output of 1+MG also input for our guidelines
- NMG-NL writing NL-1+MG-actionplan (being reviewed)
 - Rick van Nuland & Gert-Jan van Ommen & Ruben Kok
- Roadmap 1+MG 2020-2022 has been adopted (Feb 4)
 - Commission will use roadmap to plug 1+MG-topic into new EU Horizon program



1+MG: participation NL

- Gert-Jan van Ommen & Roger Lim from VWS NL-representatives
- Ruben Kok WG1 (Scope, stakeholders and governance)
- Jasper Bovenberg & Susanne Rebers & Marjanka Smit WG2 (Ethical, Legal, and Societal Issues (ELSI))
- Jeroen WG3 (Common standards and min. dataset for clinical and phenotypic data)
- Edwin Cuppen WG4 (Good sequencing practice)
- Morris WG5 (Federated, secure, interoperable and privacy-respecting framework and access governance)
- Ilse Custers WG6 (Health economics and outcome research)
- Gijs Santen & Lisenka Vissers WG8 (Use case - Rare diseases)
- Edwin Cuppen WG9 (Use case - Cancer)
- Marian Beekman WG10 (Use case - Common and complex diseases)



Questions suggestions? Let us know!

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