

Version 1

May 03, 2021

SARS-CoV-2 ENA submission workflow + guidance for structuring and releasing metadata V.1

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In Development

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PHA4GE

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ABSTRACT

PURPOSE:

This workflow provides an overview on the metadata specification recommended for SARS-CoV-2 sequence data and a series of protocols outlining the steps for ENA submission.

PHA4GE Contextual Metadata SOP

- This protocol provides step-by-step instructions for populating the template, and also addresses a number of ethical, privacy and practical considerations that should be discussed with your data steward prior to any type of data sharing.
- The appendices provide additional instructions and examples of how to curate sample type descriptions, and how to identify additional standardized terms should you need them.

SOP for populating EBI submission templates (ENA)

- Guidance for populating the ENA metadata template using PHA4GE fields and terms.

SARS-CoV-2 EBI submission protocol: ENA, BioSample, and BioProject

- Step-by-step instructions for establishing a new EBI (Webin) submission account and for creating and linking a new BioProject to an existing umbrella effort.
- SARS-CoV-2 raw data submission to ENA (European Nucleotide Archive) and metadata to BioSample.

SARS-CoV2 EBI assembly submission protocol

Required: established BioProject and BioSamples

- Submit SARS-CoV-2 assemblies (consensus sequences) to ENA linking to existing BioProject, BioSamples, and raw data.

THIS COLLECTION ACCOMPANIES THE FOLLOWING PUBLICATION

Griffiths, Emma J., Ruth E. Timme, Andrew J. Page, Nabil-Fareed Alikhan, Dan Fornika, Finlay Maguire, Catarina Inês Mendes, et al. "The PHA4GE SARS-CoV-2 Contextual Data Specification for Open Genomic Epidemiology," August 9, 2020. <https://doi.org/10.20944/preprints202008.0220.v1>.

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[SOP for populating EBI submission templates \(ENA\)](#)

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[SARS-CoV2 EBI assembly submission protocol](#)



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FILES

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PHA4GE contextual metadata SOP
Version 1
by Ruth E Timme, US Food and Drug Administration
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SOP for populating EBI submission templates (ENA)
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