

KEY

> The database will provide trace element measurements at stable isotope equivalent depths.

> Raw data and metadata files of LA trace elements will be stored as .txt files in FigShare folders.

> Sample scans will be stored in a FigShare folder.

> This means that the site_id, entity_id, sample_id will stay constant for SISALv2 and the SISAL trace element database.

SITE
site_id
site_name
latitude
longitude
elevation
geology ... (moved to entity level)
rock_age ... (moved to entity level)
monitoring

NOTES
site_id
notes

ENTITY
site_id
entity_id
entity_name
entity_status ... (3 fields called differently in input sheet)
corresponding_current
depth_ref
geology ... (moved from site level, options changed)
wokam ... (to be added directly at db level)
rock_age ... (moved from site level)
vegetation_type ... (new field)
copernicus_lcc ... (to be added directly at db level)
land_use ... (new field)
cover_type ... (new field)
cover_thickness
host_rock_trace_elements ... (new field)
drip_water_trace_elements ... (new field)
distance_entrance
speleothen_type
drip_type
drip_height ... (new field)
d13C
d18O
iso_std ... (moved from sample level - d18O and d13C tables)
d18O_water_equilibrium
d18O_dripwater_carbonate_difference ... (new field)
trace_elements ... (removed)
organics
fluid_inclusions
mineralogy_petrology_fabric
clumped_isotopes
noble_gas_temperatures
C14
ODL
Mg_Ca ... (removed)
Sr_Ca (Yes/No) ... (new field)
Sr_Ca_method (solution ICPMS, LA etc.) ... (new field)
Sr_Ca_std (lab standards etc.) ... (new field)
Sr_Ca_downsampled (No - SI aliquot / No - not an SI aliquot / author downsampled / SISAL downsampled) ... (new field)
Sr_Ca_downsampling_method ... (new field)
Mg_Ca ... (new field)
Mg_Ca_method ... (new field)
Mg_Ca_std ... (new field)
Mg_Ca_downsampled ... (new field)
Mg_Ca_downsampling_method ... (new field)
Ba_Ca ... (new field)
Ba_Ca_method ... (new field)
Ba_Ca_std ... (new field)
Ba_Ca_downsampled ... (new field)
Ba_Ca_downsampling_method ... (new field)
U_Ca ... (new field)
U_Ca_method ... (new field)
U_Ca_std ... (new field)
U_Ca_downsampled ... (new field)
U_Ca_downsampling_method ... (new field)
P_Ca ... (new field)
P_Ca_method ... (new field)
P_Ca_std ... (new field)
P_Ca_downsampled ... (new field)
P_Ca_downsampling_method ... (new field)
Sr_isotopes ... (new field)
Sr_isotopes_method ... (new field)
Sr_isotopes_std ... (new field)
cave map ... (new field)
entity_scan (Yes/No) ... (new field)
trace_elements_datafile (especially for LA, datafile in Figshare Yes/No) ... (new field)
trace_elements_metadatafile (especially for LA, datafile in Figshare Yes/No) ... (new field)
contact
data_DOI_URL

COMPOSITE_LINK_ENTITY
composite_entity_id
single_entity_id

ENTITY_LINK_REFERENCE
entity_id
ref_id

REFERENCE
ref_id
citation
publication_DOI

DATING_LAMINA
dating_lamina_id
entity_id
depth_lam
lam_thickness
lam_age
lam_age_uncert_pos
lam_age_uncert_neg

DATING
dating_id
entity_id
date_type
depth_dating
dating_thickness
lab_num
material_dated
min_weight
max_weight
uncorr_age
uncorr_age_uncert_pos
uncorr_age_uncert_neg
14C_correction
calib_used
date_used
238U_content
238U_uncertainty
232Th_content
232Th_uncertainty
230Th_content
230Th_uncertainty
230Th_232Th_ratio
230Th_232Th_ratio_uncertainty
230Th_238U_activity
230Th_238U_activity_uncertainty
234U_238U_activity
234U_238U_activity_uncertainty
ini_230Th_232Th_ratio
ini_230Th_232Th_ratio_uncertainty
decay_constant
corr_age
corr_age_uncert_pos
corr_age_uncert_neg
date_used_lin_interp
date_used_lin_reg
date_used_BChron
date_used_Bacon
date_used_OxCal
date_used_copRa
date_used_StalAge

SISAL CHRONOLOGY

sample_id
lin_interp_age
lin_interp_age_uncert_pos
lin_interp_age_uncert_neg
lin_reg_age
lin_reg_age_uncert_pos
lin_reg_age_uncert_neg
BChron_age
BChron_age_uncert_pos
BChron_age_uncert_neg
Bacon_age
Bacon_age_uncert_pos
Bacon_age_uncert_neg
OxCal_age
OxCal_age_uncert_pos
OxCal_age_uncert_neg
copRa_age
copRa_age_uncert_pos
copRa_age_uncert_neg
StalAge_age
StalAge_age_uncert_pos
StalAge_age_uncert_neg

d13C
sample_id
d13C_measurement
d13C_precision
iso_std ... field moved to entity table
d18O
sample_id
d18O_measurement
d18O_precision
iso_std ... field moved to entity table

Sr_Ca ... new table
sample_id
Sr_Ca_measurement
Sr_Ca_precision

Mg_Ca ... new table
sample_id
Mg_Ca_measurement
Mg_Ca_precision

Ba_Ca ... new table
sample_id
Ba_Ca_measurement
Ba_Ca_precision

U_Ca ... new table
sample_id
U_Ca_measurement
U_Ca_precision

P_Ca ... new table
sample_id
P_Ca_measurement
P_Ca_precision

Sr_isotopes ... new table
sample_id
Sr_isotopes_measurement
Sr_isotopes_precision

HIATUS
sample_id
hiatus

GAP
sample_id
gap

ORIGINAL CHRONOLOGY
sample_id
interp_age
interp_age_uncert_pos
interp_age_uncert_neg
age_model_type
ann_lam_check
dep_rate_check

SAMPLE

entity_id
sample_id
sample_thickness
depth_sample
mineralogy
arag_corr