> 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 FigShare folder.

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

lin_interp_age

lin reg age

BChron_age

Bacon_age

OxCal_age

copRa_age

Bacon_age_uncert_pos Bacon_age_uncert_neg

OxCal_age_uncert_pos

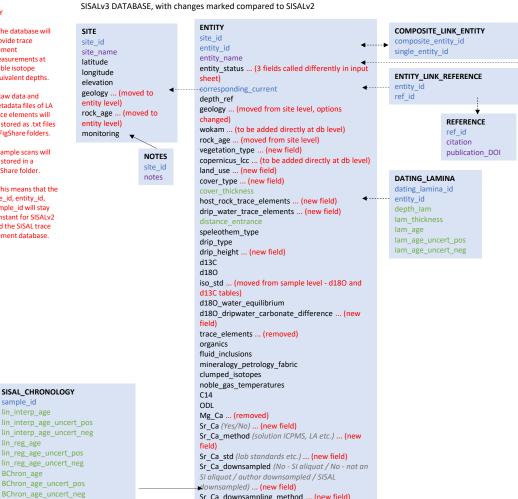
OxCal age uncert neg

copRa_age_uncert_pos

copRa_age_uncert_neg StalAge age

StalAge_age_uncert_pos

StalAge_age_uncert_neg



 $Sr_Ca_downsampling_method \ ... \ (new \ field)$

Mg_Ca_downsampling_method ... (new field)

Ba_Ca_downsampling_method ... (new field)

Mg_Ca ... (new field)
Mg_Ca_method ... (new field)

Ba_Ca_method ... (new field)

U_Ca_method ... (new field) U_Ca_std ... (new field)
U_Ca_downsampled ... (new field) U_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)

Mg_Ca_downsampled ... (new field)

Ba_Ca_std ... (new field)
Ba_Ca_downsampled ... (new field)

Mg_Ca_std ... (new field)

Ba_Ca ... (new field)

U_Ca ... (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)

contact

DATING entity id date type depth_dating dating_thickness lab num material dated min weigl max_weight uncorr_age uncorr_age_uncert_pos uncorr_age_uncert_neg 14C correction calib used date_used 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



Sr_Ca ... new table 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

data DOI URL hiatus GAP SAMPLE sample id entity id gap sample_id sample_thickness ORIGINAL_CHRONOLOGY sample_id mineralogy interp age arag_corr interp_age_uncert_pos _uncert_neg U_Ca ... new table age_model_type ann Iam check sample_id dep_rate_check U_Ca_measurement U_Ca_precision P Ca ... new table sample_id P_Ca_measurement P_Ca_precision

Sr isotopes ... new table

Sr_isotopes_measurement

Sr_isotopes_precision

sample_id

HIATUS