Harmonization rules and mapping to ontologies

Harmonize this values so they can be reached through queries and or filters

	- BIOSAMPLE
	biosmple_type:
	biosample_type tags > tissue, env_medium, isolation_source
	biosample_type values > sample_attributes_values\$tissue, sample_attributes_values
	ev_{medium} , sample_attributes_values iol_{media} source[-c(5,6,10)] > Map to UBERON
	ontology
	blaf < - c ("Bronchoalveolar lavage fluid", "bronchoalveolar lavage fluid (BALF)", "Human")
	BALF sample") → "Bronchoalveolar lavage fluid" (UBERON:)
	cell_culture < - c("passage") → "cell culture isolate" (UBERON:)
	swab < - c("swab", "Oro-pharyngeal swab", "oropharyngeal swab") → "Oro-pharyngeal
	swab" (UBERON:)
	unknown < - c("missing", "unknown")
	culture_cell:
	culture_cell tags> Laboratory Host , passage_history
	culture_cell values > sample_attributes_values\$ Laboratory Host,
	sample_attributes_values\$passage_history > Map to CL ontology
	vero < - "A total of 4 passages; Vero (3) at CDC followed by Vero E6 (1) at BEI Resources"
	→ "Vero" (CL:)
	$vero_e6 < -c("Vero E6 cells (CRL-1586)", "A total of 4 passages; Vero (3) at CDC followed$
	by Vero E6 (1) at BEI Resources") → "Vero E6" (CL:)
	collection_date: different formats e.g "02-Jan-2020", "2020-02-14" , "2020",
	"2020-03" (homogenize to ISO 8601 international standard)
	collection_date tags> attributes_values\$collection_date
	colection_date_values in formats "%d-%B-%Y", "%Y-%m-%d", "%Y-%m", "%Y"
	-HOST/INDIVIDUAL
	host_taxon_id tags> sample_attributes_values\$host, sample_attributes_values
	\$env_broad_scale, sample_attributes_values\$host_description
	host_species_name values>
	human < - c("Homo sapiens", "Human", "Isolated from clinical sample from the first case of
	nCov in US from Washington State") → "9606"
	geo_origin:
	geo_origin tags > geo_loc_name, country, at_lon
	geo_origin_values > sample_attributes_values\$geo_loc_name, sample_attributes_values

\$country, sample_attributes_values\$at_lon
(different formats) e.g "USA:WI:Madison"/ "USA: CA, San Diego County"/ "30.52 N 114.31
E" > harmonise, map to GAZ ontology (geographic origin in default schema)