Parma, 26 February 2019

SIGMA Data Model

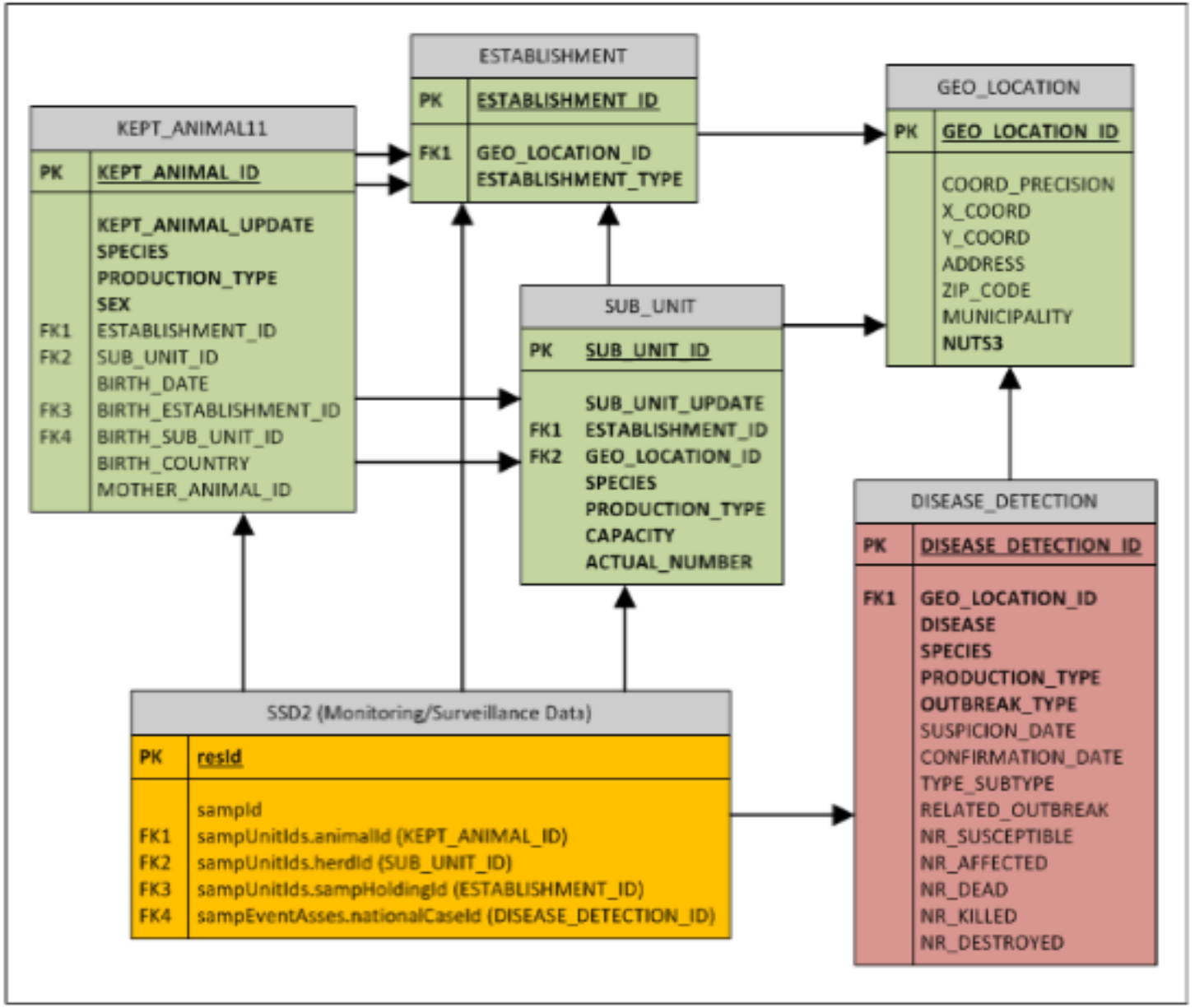
Gabriele ZANCANARO

Scientific Officer (AHAW team)

Trusted science for safe food

efsa
European Food Safety Authority

SIGMA Data Model



SIGMA Data Model – Establ

E	ATTRIBUTE NAME	DATA TYPE	M/O	ENUM VALUES	DESCRIP
E	ESTABLISHMENT_ID	xs:string(200)	M		Dummy id official ide (according visibility pc Establishm The standa change ac the nationa legislation
E	ESTABLISHMENT_TYPE	EstablishmentTypeEnum	M	Quarantine premises Assembly centre Market Exhibition Show Farm Genetic centre Hatchery Slaughtering Centre Health & Research centres Pasture/Co-pasture	Type of Es characteris specific air specific ep role

SU	SUB_UNIT_ID	xs:string(200)	M		Dummy identifier OR official identifier (according to the MS visibility policy) of the sub-unit. The standards may change according to the relevant national legislation
SU	SUB_UNIT_UPDATEY	xs:int(4)	M		Year – Date at which the information was generated (last update)
SU	SUB_UNIT_UPDATEM	xs:int(2)	M		Month – Date at which the information was generated (last update)
SU	SUB_UNIT_UPDATED	xs:int(2)	M		Day – Date at which the information was generated (last update)
SU	SPECIES	SpeciesEnum	M	Mammals (and all subcategories) Birds (and all subcategories)	The common name, the genus, the species and the breed of the sub-unit of concern. This is particularly relevant in the cases in which the single animals do not have an animal id
SU	PRODUCTION_TYPE	ProductionTypeEnum	M	Germinal products Breeders Meat/Fattening Milk Egg SPF Foie-gras Game	Type of final product of the Establishment OR aim for which the animals are kept and/or bred
SU	CAPACITY	xs:integer(6)	M		The capacity of the establishment, i.e. the permitted maximum number of animals that the establishment can host. For some species, it can be, as an example, number of cubicles or pen places
SU	ACTUAL_NUMBER	xs:integer(6)	M		Number of animals at the date the information was generated (last update)

SIGMA Data Model – Establishment & SubUnit

EGL	ESTABLISHMENT_ COORD_ PRECISION	CoordPrecisionEnum	O	Centroid admin Centroid generic Exact Estimated Unknown	Precision of the provided coordinates
EGL	ESTABLISHMENT_ X_COORD	xs:decimal			
EGL	ESTABLISHMENT_ Y_COORD	xs:decimal			
EGL	ESTABLISHMENT_ ADDRESS	xs:string(200)			
EGL	ESTABLISHMENT_ ZIP_CODE	xs:string(10)			
EGL	ESTABLISHMENT_ MUNICIPALITY	xs:string(200)			
EGL	ESTABLISHMENT_ NUTS3	NutsEnum			

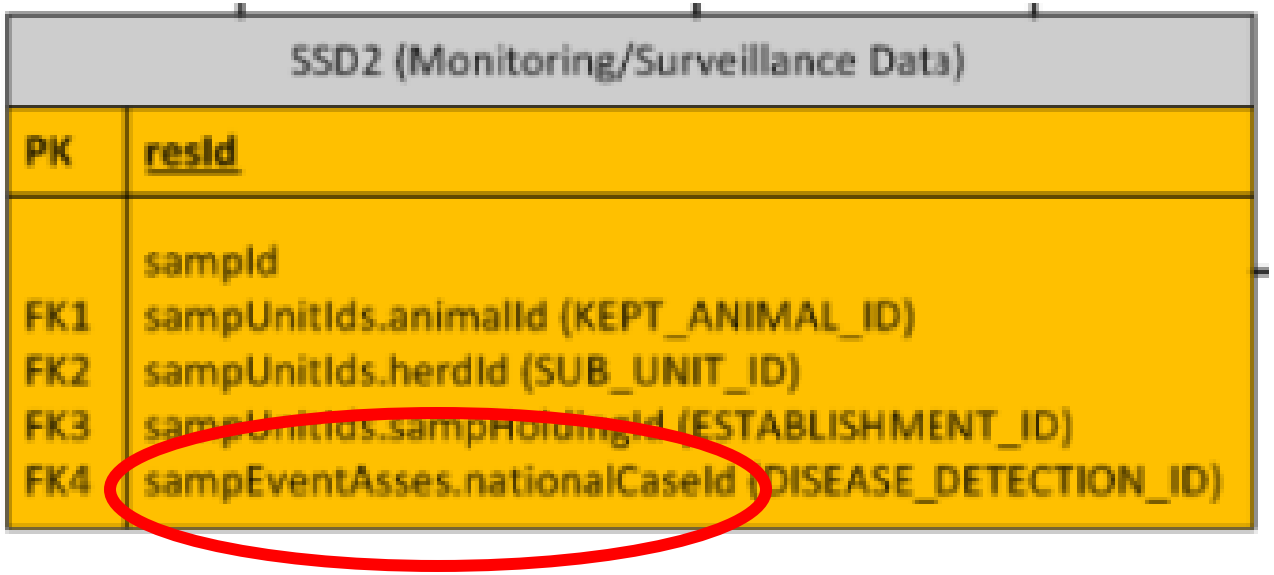
E	ATTRIBUTE NAME	DATA TYPE	M/O	ENUM VALUES	DESCRIPTION
SUGL	SUB_UNIT_COORD_ PRECISION	CoordPrecisionEnum	O	Centroid admin Centroid generic Exact Estimated Unknown	Precision of the provided coordinates
SUGL	SUB_UNIT_X_COORD	xs:decimal	O		Longitude (degrees) E/W
SUGL	SUB_UNIT_Y_COORD	xs:decimal	O		Latitude (degrees) N/S
SUGL	SUB_UNIT_ADDRESS	xs:string(200)	O		Address of the located entity
SUGL	SUB_UNIT_ZIP_CODE	xs:string(10)	O		ZIP code of the located entity
SUGL	SUB_UNIT_ MUNICIPALITY	xs:string(200)	O		Municipality of the located entity
SUGL	SUB_UNIT_NUTS3	NutsEnum	M	NUTS code, according to EUROSTAT. Information should be provided at least at NUTS level 3	NUTS code level 3 of the located entity

SIGMA Data Model – Sin

KA	KEPT_ANIMAL_ID	xs:string(200)	O	
KA	KEPT_ANIMAL_UPDATEY	xs:int(4)	O	
KA	KEPT_ANIMAL_UPDATEM	xs:int(4)	O	
KA	KEPT_ANIMAL_UPDATED	xs:int(4)	O	
KA	SPECIES	SpeciesEnum	O	Mammals (and all subcategories)

E	ATTRIBUTE NAME	DATA TYPE	M/O	ENUM VALUES	DESCRIPTION
KA	PRODUCTION_TYPE	ProductionTypeEnum	O	Germinal products Breeders Meat/Fattening Milk SPF	Type of final product of the Establishment OR aim for which the animals are kept and/or bred
KA	SEX	GenderEnum	O	Female Male Mixed females and males	Sex of the kept animal
KA	BIRTH_Y	xs:int(4)	O	Male	Year – Date of birth of the kept animal
KA	BIRTH_M	xs:int(2)	O	Mixed females and males	Month – Date of birth of the kept animal
KA	BIRTH_D	xs:int(2)	O		Day – Date of birth of the kept animal
KA	BIRTH_ESTABLISHMENT_ID	xs:string(200)	O		Dummy identifier OR official identifier (according to the MS visibility policy) of the Establishment where the kept animal was born. The standards may change according to the relevant legislation
KA	BIRTH_SUB_UNIT_ID	xs:string(200)	O		Dummy identifier OR official identifier (according to the MS visibility policy) of the Sub_unit where the kept animal was born. The standards may change according to the relevant legislation
KA	BIRTH_COUNTRY	xs:string(2)	O		ISO code of the country where the kept animal was born
KA	MOTHER_ANIMAL_ID	xs:string(200)	O		Dummy identifier OR official identifier (according to the MS visibility policy) of the mother of the individual kept animal (for the relevant species). The standards may change according to the relevant legislation

SIGMA Data Model – Samples



Slide Heading

Stay connected

Subscribe to
www.efsa.europa.eu/en/news/newsletters
www.efsa.europa.eu/en/rss

Engage with careers
www.efsa.europa.eu/en/engage/careers

Follow us on Twitter
@efsa_eu
@plants_efsa
@methods_efsa