**Suggested changes to CRMgeo 1.2:**

**Deprecate classes SP5, SP14, SP12, SP15 because of new classes in CRM 7.2.1.:**

~~SP5\_Geometric\_Place\_Expression~~ replaced by E94\_Space\_Primitive

~~SP14\_Time \_Expression~~ replaced by E61\_Time\_Primitive

~~SP12\_Spacetime\_Volume\_Expression~~ replaced by E95\_Spacetime\_Primitive

~~SP15\_Geometry~~ replaced by geosparql:geometry

**Changed class hierarchies for SP6, SP10, geosparql:geometry, SP1**

Make SP6 Declarative Place and SP10 Declarative Time Span subclasses of SP7 Declarative Space Time Volume as the substance is not different as they are both E89 Propositional Objects

Make geosparql:geometry subclass of SP6 Declarative Place and SP7 Declarative Space Time Volume to inherit Properties from E53, SP6 and SP7

SP1 Phenomenal Spacetime Volume only superclass of E4 Period and not E18 anymore. Inherits from E92

**Deprecate properties Q10, Q14, Q16, Q12, Q17,Q18:**

~~Q10 defines place~~ replaced by P168\_place\_is\_defined\_by

[~~Q14~~](#_Q14_defines_time) ~~defines time~~ replaced by P170i\_time\_is\_defined\_by

~~Q16 defines spacetime volume~~ replaced by P169i\_spacetime\_volume\_is\_defined\_by

~~Q12\_approximates~~ replaced by P189\_approximates

~~Q17 is expressed in terms of~~ replaced by Q15\_time\_is\_expressed\_in\_terms\_of

~~Q18 is expressed in terms of~~ replaced by Q9\_place\_is\_expressed\_in\_terms\_of

**Change domains of properties Q9 and Q15 in order to be able to use the properties in RDF:**

Q9\_place\_is\_expressed\_in\_terms\_of

Change Domain from [E94](#_SP5_Geometric_Place) Space Primitive to SP7 Declarative Space Time Volume

Q15\_time\_is\_expressed\_in\_terms\_of

Change Domain from [SP14](#_SP14_Time_Expression) Time Expression to SP7 Declarative Space Time Volume

**Change labels Q11, Q13, Q9, Q15:**

Q11\_approximates with Q11\_approximates\_spacetime

Q13\_approximates with Q13\_approximates\_time

Q9\_is\_expressed\_in\_terms\_of with Q9\_place\_is\_expressed\_in\_terms\_of

Q15\_is\_expressed\_in\_terms\_of with Q15\_time\_is\_expressed\_in\_terms\_of

**Additional properties from Geosparql 1.1:**

Geosparql 1.1 introduces new Serializations for Geometries under the superproperty hasSerialization (asKML, asGeoJSON,…)

**Include WGS84 (**[**https://www.w3.org/2003/01/geo/**](https://www.w3.org/2003/01/geo/)**) Vocabulary**

Include WGS84 (<https://www.w3.org/2003/01/geo/>) Vocabulary to have properties for longitude(long) and latitude(lat) and define their domaine as geosparql:geometry.

Rational: WGS84 (<https://www.w3.org/2003/01/geo/>) is a are very often used Vocabulary and lat/long coordinates are used very often as well and very flexible in the usage and well defined with the WGS84 Ellipsoid (EPSG:4326)