QGIS Application - Feature request #7706
Geometry constructors (EWKT/EWKB)

2013-04-25 08:35 AM - Denis Rouzaud

Status:	Open		
Priority:	High		
Assignee:			
Category:	Vectors		
Pull Request or Patch supplied:	No	**Resolution:**	
Easy fix?:	No	**Copied to github as #:**	16617

Description

Right now, only WKT/WKB can be used to import/export geometries.

It would be great to have EWKT and EWKB import/export methods, to avoid complex stuff as in [0]

[0] https://github.com/elpaso/quickwkt/blob/73870168d09589a9ab8d54f7d695e548c26e7751/QuickWKT.py#L144

History

#1 - 2013-04-26 02:18 AM - Matthias Kuhn

I discussed this topic a while ago on IRC with jef.

The main point for not including this was, that the SRID must not be lost within this process. When loading as geometry column in a layer, this information is preserved in the layer SRID, but the geometry itself has no such variable.
I see two approaches to this:

  - specifying the SRID as additional parameter for QgsGeometry::exportToEWk[t|b](int SRID) and passing an additional reference int& SRID to QgsGeometry::fromToEWk[t|b]() where the SRID will be written to.

  - creating a new class QgsReferencedGeometry (or QgsEGeometry as in *E*WKT) which inherits QgsGeometry and holds an additional variable for the SRID.

#2 - 2017-05-01 12:48 AM - Giovanni Manghi

- Easy fix? set to No