QGIS Application - Feature request #4078
Enable CRS conversion in field calculator

2011-07-14 12:27 AM - Alister Hood

Status:	Closed		
Priority:	Low		
Assignee:			
Category:	Vectors		
Pull Request or Patch supplied:	No	**Resolution:**	fixed/implemented
Easy fix?:	No	**Copied to github as #:**	14061

Description

When using functions like $x, $y, xat(n) and yat(n) the coordinate is returned in the layer CRS.
It would be useful to also be able to get these in the Project CRS or another specified CRS. I understand this is a very popular ability in Mapinfo ;)

I'm assigning low priority because I think it is currently possible to workaround it by making a copy of the file in the other CRS.

History

#1 - 2011-09-01 04:27 PM - Alister Hood

- Pull Request or Patch supplied set to No

this would also apply to the area and length functions

#2 - 2011-12-16 02:11 PM - Giovanni Manghi

- Target version set to Version 1.7.4

#3 - 2012-02-28 02:01 PM - Alister Hood

Also see #4857: Add unit type to $area calculation

#4 - 2012-04-15 10:09 AM - Giovanni Manghi

- Target version changed from Version 1.7.4 to Version 2.0.0

#5 - 2012-10-06 02:24 AM - Pirmin Kalberer

- Target version changed from Version 2.0.0 to Future Release - Nice to have

#6 - 2015-11-10 07:15 AM - Médéric RIBREUX

- Resolution set to fixed/implemented

- Status changed from Open to Closed

Hello, bug triage...

there is now a transform function in QGIS expressions that make the CRS conversion. You can use it like this to get the x coordinate of a point converted from EPSG:4326 to EPSG:2154:

```
x(transform($geometry, 'EPSG:4326', 'EPSG:2154'))
```

For xat (which is replaced with point_n):

```
x(transform(point_n($geometry, 3), 'EPSG:4326', 'EPSG:2154'))
```

I am now closing this feature request as there is a way to make the CRS conversion directly from the expression dialog.