



Ética y economía: ¿son viables los proyectos
geoespaciales de software libre?

20 años atrás



a remar!



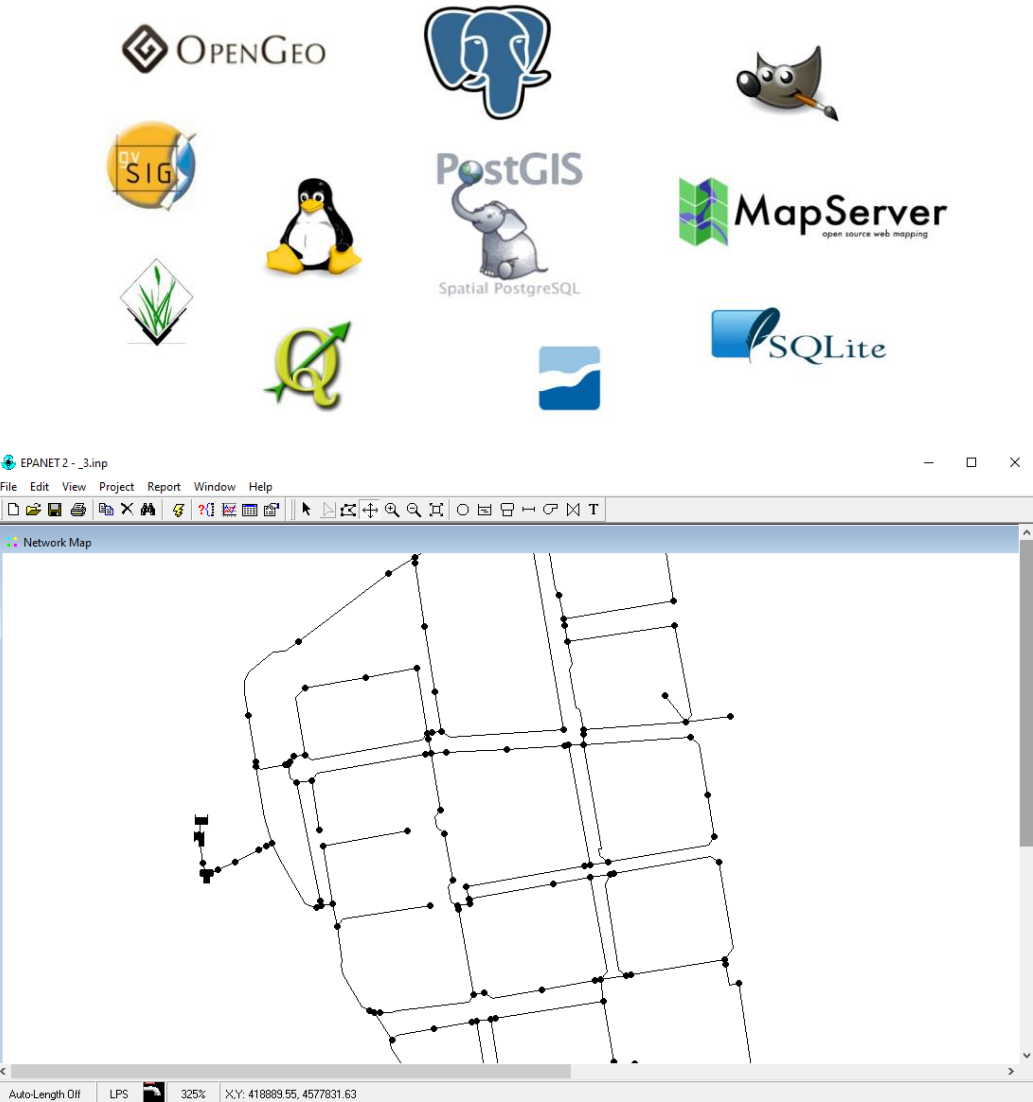
a seguir remando!



unos años más tarde ... intentando no perder el control



y entre proyectos y obras ... una idea



ENTERPRISE			PRIZE
GIS SOFTWARE			
ArcGIS	US	ESRI	\$60.000,00
Geomedia (Sisgraph)	US	INTERGRAPH CORPORATION	\$13.000,00
Small world	UK	GE ENERGY	*
Integrgraph	US	INTERGRAPH CORPORATION	*
Autocad Map	US	AUTODESK	\$3.000,00
DATABASE SOFTWARE			
Oracle spatial	US	ORACLE CORPORATION	\$90.000,00
Sql server	US	MICROSOFT	\$9.000,00
HIDRAULIC SOFTWARE			
Watercads	US	BENTLEY SYSTEMS, INC	\$20.000,00
Civilcad	MX	ARQCOM S.A.	\$9.000,00
DHI	DN	DHI	*
Infoworks	UK	INNOVYZE	\$60.000,00
PC SWMM	CA	CHI	\$20.000,00
XP Storm	AU	XP SOLUTIONS, INC	\$20.000,00

11 de marzo de 2014. Presentación oficial de la criatura



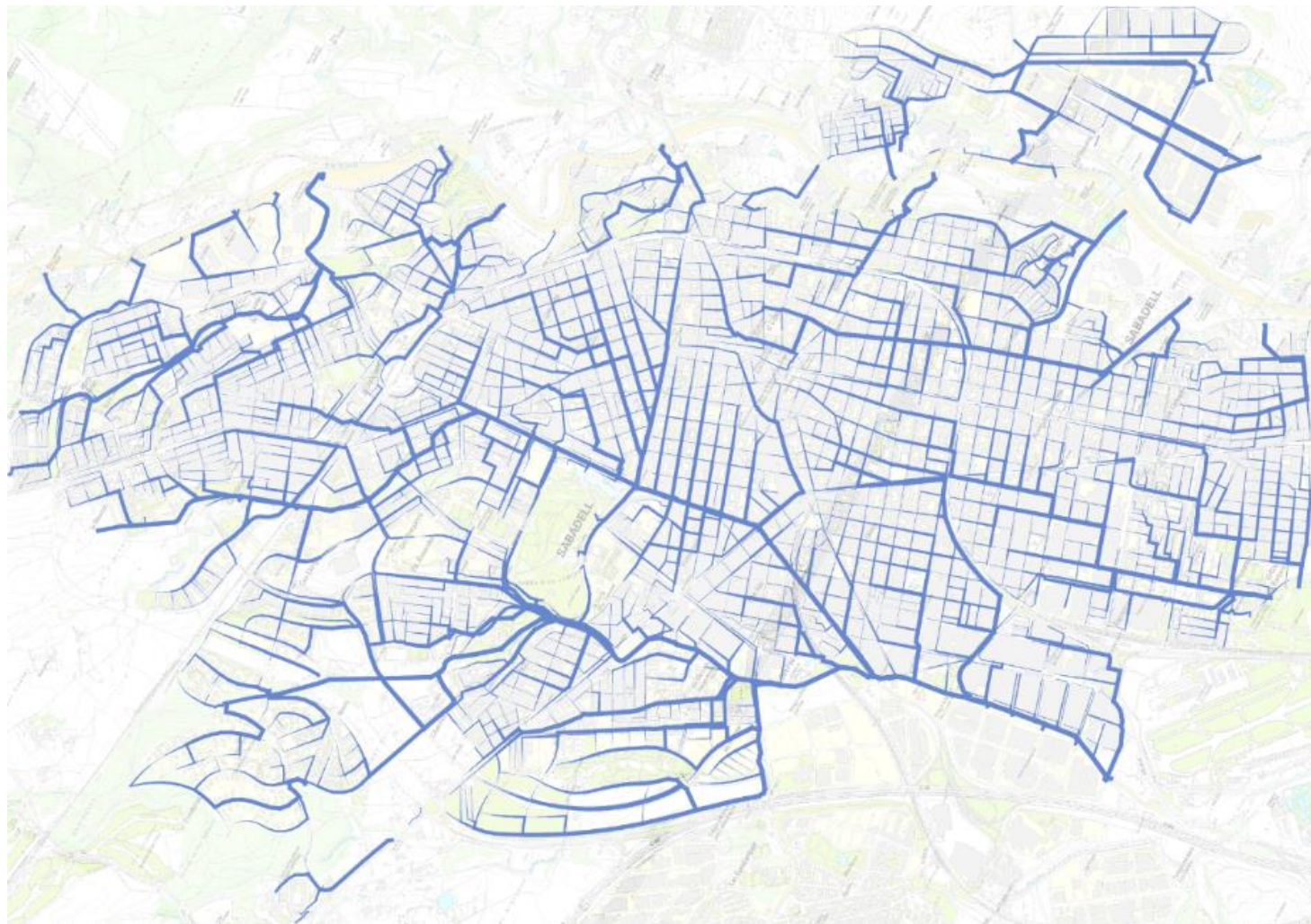
nuestras primeras Jornadas



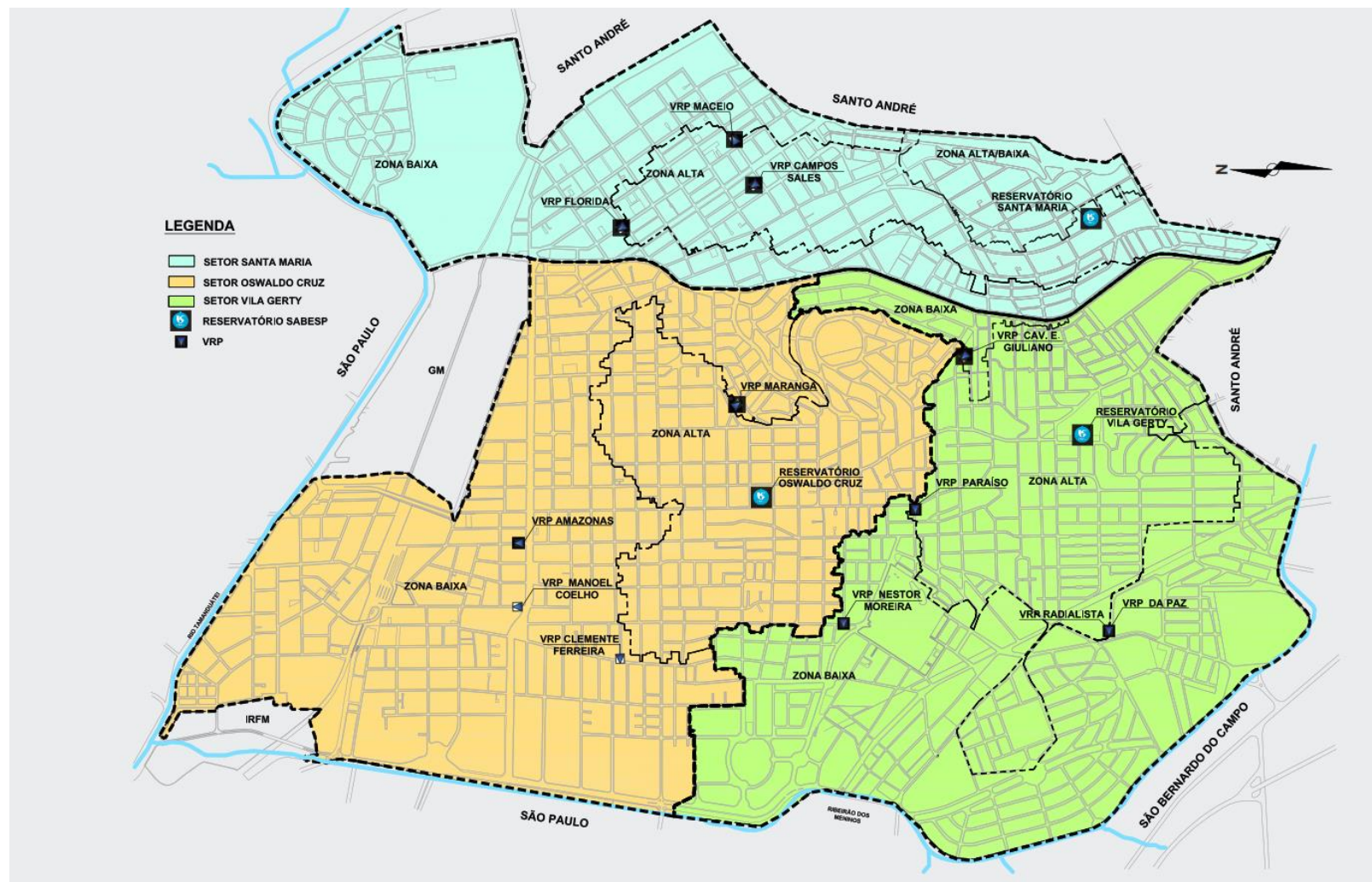
el primer creyente: Giswater 1.0



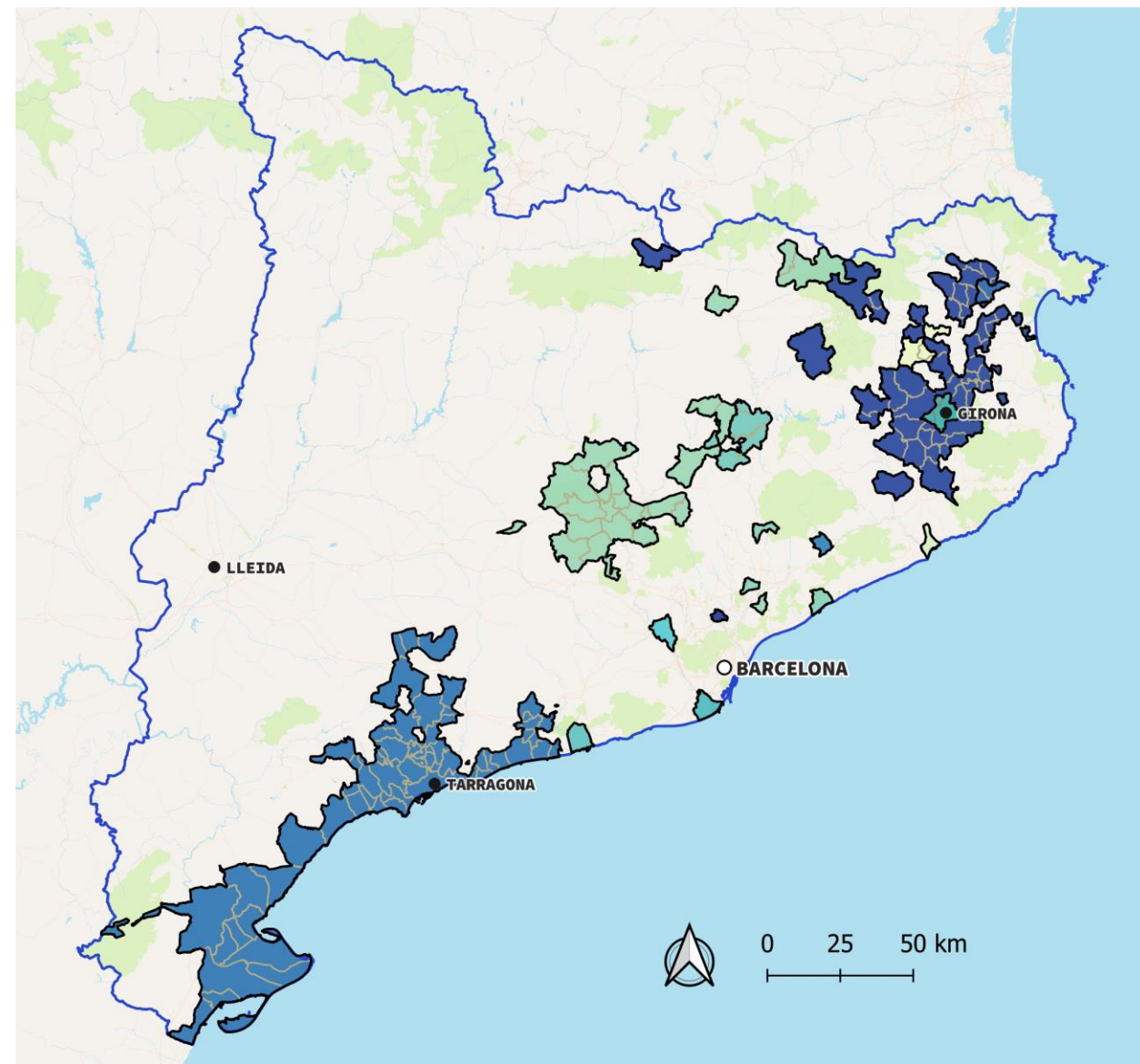
Ajuntament
de Sabadell



un segundo gran impulso: Giswater 2.0



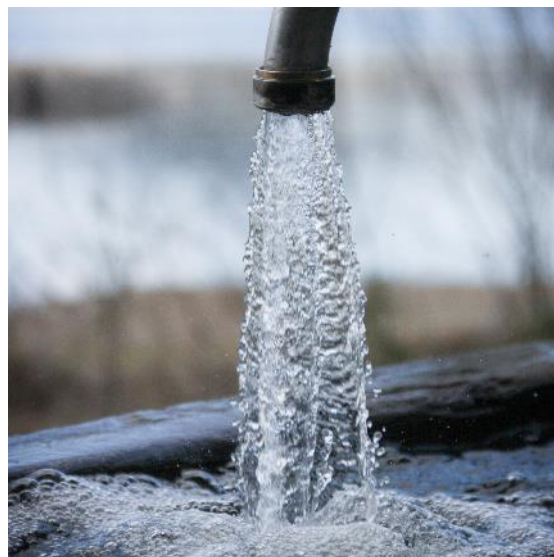
GISWATER ASSOCIATION. Nace Giswater 3.0



y fuera de la asociación...



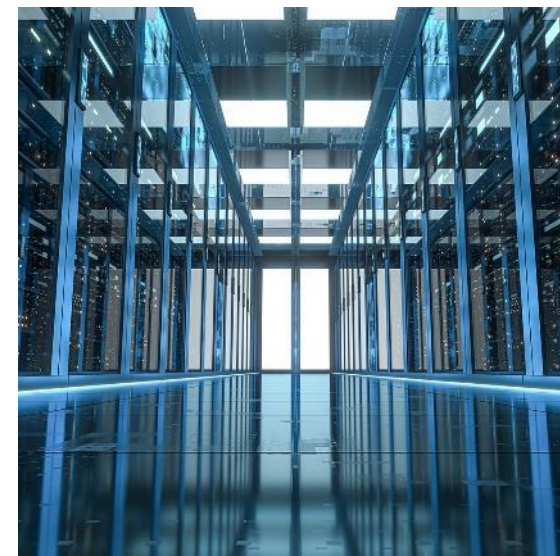
EL I+D NUESTRA RAZÓN DE SER



GISwater

GALATEA
BLUE GROWTH ACCELERATOR

ReWat

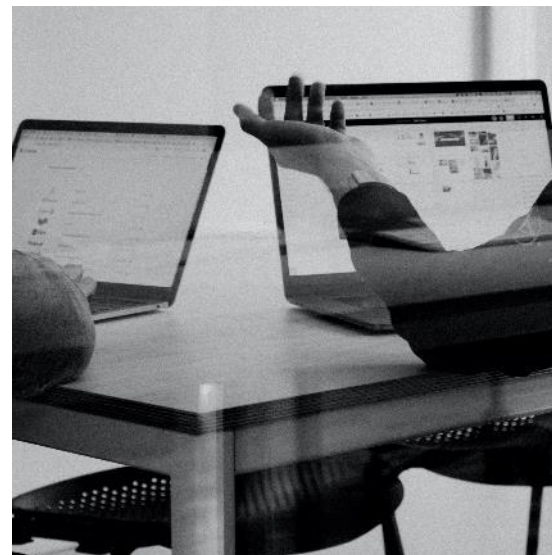


IMAQUA[®]
COMUNITAT AIGUA

senData

ATMOSPHERAIR I

HYDROLEAKS I & II



CORAL

CWP
CATALANWATERPARTNERSHIP

iber



Josep Lluís Sala



Xavier Torret



Sergi Muñoz



Albert Bofill



David Erill



Adrián Valenciano



Abel García



David Cano



Maria Guzmán



Daniel Marín



Sergi Maspons



Jordi Blanch



Elies Bertran



Pablo Marques



Cláudia Rodrigues



Ferran Martínez



Edgar Fusté



Veinte años atrás era una visión, ahora es una tecnología madura

- + 30 utilities
- + 400 municipios
- + 5 países
- + 8.000.000 habitantes servidos

https://github.com/Giswater/giswater_dbmodel

https://github.com/Giswater/giswater_qgis_plugin

CODE STATS

- + 50 committers
- + 50 years of effort (cocomo model)

In a Nutshell, Giswater QGIS plugin...

... has had 8,159 commits made by 38 contributors
representing 110,785 lines of code

... is mostly written in TypeScript
with a very low number of source code comments

... has a well established, mature codebase
maintained by a large development team
with decreasing Y-O-Y commits

... took an estimated 28 years of effort (COCOMO model)
starting with its first commit in January, 2016
ending with its most recent commit 6 days ago

In a Nutshell, Giswater Database model...

... has had 9,968 commits made by 34 contributors
representing 271,860 lines of code

... is mostly written in SQL
with a very well-commented source code

... has a well established, mature codebase
maintained by a large development team
with decreasing Y-O-Y commits

... took an estimated 72 years of effort (COCOMO model)
starting with its first commit in November, 2013
ending with its most recent commit 3 days ago



jlsala@bgeo.es

www.bgeo.es

T. +34 938 600 293

info@bgeo.es

