6 - 7 febbraio 2009

2^e Giornate Triestine utenti di gvSIG



"extMDB" Estensione di gvSIG per l'accesso ai dati in formato GeoMedia[®] MDB

Stefano Orlando (orste@libero.it) Independent GIS & IT Security Consultant

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È un estensione per gvSIG per l'accesso ai dati in formato GeoMedia[®] MDB (non è tecnicamente un driver, ma costituisce un'estensione in forma di plugin)
 Nasce come fork di una libreria scritta in java per convertire le geometrie definite nel formato blob di GeoMedia[®] nel modello spaziale dei dati della JTS Topology Suite di Vivid Solutions Inc. (GeoTools - <u>http://sourceforge.net/projects/geotools</u> - ha fornito un primo approccio embrionale)

Non richiede l'installazione di GeoMedia[®], accedendo direttamente alle basi di dati *.mdb* e convertendo le geometrie nel modello spaziale di gvSIG (con le relative funzionalità di visualizzazione, analisi, ecc.)



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Si integra nel wizard "Add Layer" di gvSIG

😔 gvSIG 1.9 alpha:Senza titolo					
File Mostra Finestra Vista Aiuto Red TIN Layer					
i 🐚 😰 🛃 i 🌿 🦧 🔄 🛥 🖉 🔜 i 🖼 🎭 i 🕰 - 🎇 i 💷					
🚭 Gestore di progetto 🗖 🔀					
Tipo di documento Aggiungi Layer					
Vista Tabella	Aggiungi				
Vista Senza titolo - 0 Vista : Senza titolo - C	Alto Basso				



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Come è supportato il formato GeoMedia[®] MDB?

Aggiungi Layer	×				
File GeoDB WFS MDB WCS WMS ArcIMS	5 Annotazione				
Warehouse					
	Cerca				
Feature Classes					
Importa Nome	Tipo di Geometria Sistema di Riferimento				
Imposta il Sistema di Riferimento per le Feature Class selezionate (vista corrente: EPSG:3004)					
Nota: per ogni Feature Class, se il Sistema di Riferimento non viene espressamente definito viene impostato automaticamente il Sistema di Riferimento della vista corrente					
	Accetta Cancella				

GeoMedia[®] organizza i dati in Warehouse che conservano sia i dati geometrici (grafici) che gli attributi (non grafici)

Le Feature Class sono collezioni di oggetti geografici che condividono lo stesso tipo di geometria, gli stessi attributi e lo stesso sistema di riferimento (concettualmente simili ai Layer di gvSIG)

Il sistema di riferimento, seppure definito in GeoMedia[®] per ogni Feature Class, deve essere espressamente impostato per ogni layer



Estensione di gvSIG per l'accesso ai dati in formato GeoMedia® MDB

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L'interfaccia per la selezione dei dati

	Sistema di Riferimento		asses	Feature Cla	
~	Sistema di Riferimento				
<u> </u>		Tipo di Geometria	Nome	Importa	
	USR:1	Area	GC_ACQUA		
	<vista corrente=""></vista>	Area	GC_EDIFICIO		
1	<vista corrente=""></vista>	Area	GC_FOGLIO		
1	<vista corrente=""></vista>	Line	GC_LIBRETTO		
	<vista corrente=""></vista>	Line	GC_LINEA GC_LINEACOLLACQUA GC_LINEACOLLEDIFICIO		
	<vista corrente=""></vista>	Line			
	<vista corrente=""></vista>	Line			
	<vista corrente=""></vista>	Line	GC_LINEACOLLFOGLIO		
	<vista corrente=""></vista>	Line	GC_LINEACOLLPARTICELLA		
	<vista corrente=""></vista>	Line	GC_LINEACOLLSTRADA		
	USR:1	Area	GC_PARTICELLA		
	<vista corrente=""></vista>	Point	GC_PUNTOFIDUCIALE		
	<vista corrente=""></vista>	Area	GC_QUADRO_UNIONE		
	<vista corrente=""></vista>	Area	GC_RASTER		
		Point	GC_SIMBOLO		
	<vista corrente=""></vista>				
	<vista corrente=""> USR:1</vista>	Area	GC_STRADA	✓	
		Area Text	GC_STRADA GCN_CENTROIDEPARTICELLAR		
	<vista corrente=""></vista>	Area	GC_RASTER GC_SIMBOLO		

Aggiungi Layer 🛛 🔀							
File	GeoDB	WES MOB WCS WMS ArcIMS	Annotazione				
Warehouse							
C:\D	C:\Documents and Settings\Stefano\Desktop\MDBs\SITI.mdb						
Feat	ure Cla	asses					
Im	porta	Nome	Tipo di Geometria	Sistema di Riferimento			
	 Image: A set of the set of the	AMBITI_SERVITI	Area	EPSG:3004	^		
	 Image: A set of the set of the	AREESCOLONULLO	Area	EPSG:3004			
	 Image: A set of the set of the	BACINI	Area	EPSG:3004			
	 Image: A set of the set of the	BACINIAMM	Area	EPSG:3004			
	 Image: A set of the set of the	BACINISCOLOMECC	Area	EPSG:3004			
	~	CASELLIMAGAZZINI	Area	EPSG:3004			
	~	COLLEGAMENTI	Line	EPSG:3004			
	~	CORSIACQUA	Line	EPSG:3004			
	~	IMPIANTI	Area	EPSG:3004			
	~	LAGHI	Area	EPSG:3004			
	~	NODI	Point	EPSG:3004			
	~	PRESASOTT	Point	EPSG:3004			
	 Image: A set of the set of the	PRESASUP	Point	EPSG:3004			
	~	SBARRAMENTI	Line	EPSG:3004			
Imposta il Sistema di Riferimento per le Feature Class selezionate (vista corrente: EPSG:3004) Nota: per ogni Feature Class, se il Sistema di Riferimento non viene espressamente definito viene impostato automaticamente il Sistema di Riferimento della vista corrente							
Accetta Cancella							

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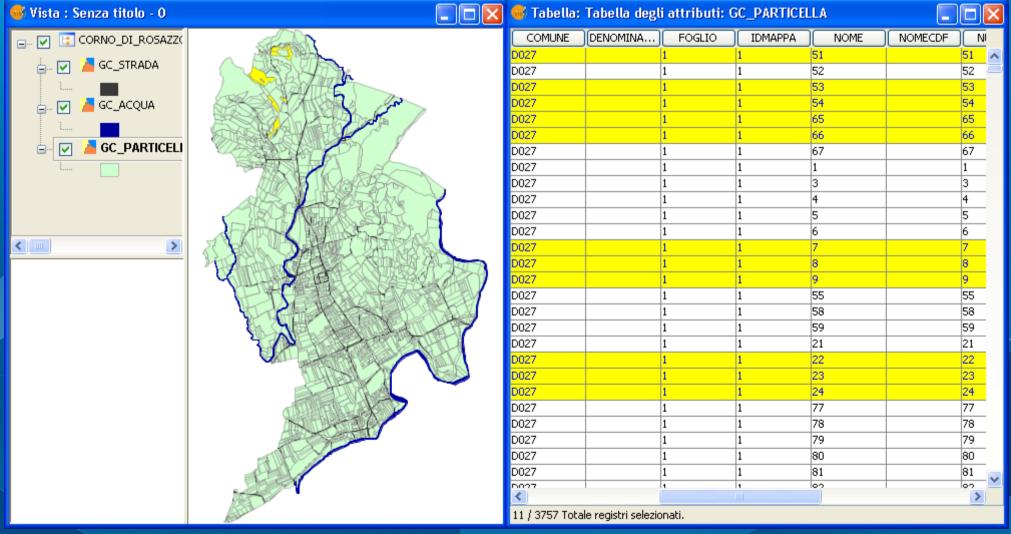


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La definizione del sistema di riferimento e il processo di importazione dei dati

CRS and T	ransformat	ion			Importazione in corso 🛛 🔀
CRS and Transformation Type: Recent Recent CRSs:				Warehouse: CORNO_DI_ROSAZZO_D027.mdb Feature Class [2/3]: GC_PARTICELLA Lettura della base di dati completata Conversione dei dati	
Font	Code	Nome	Transformation		Annulla
EPSG	3004	Monte Mario / Italy zone 2	No transformation		
USR	1	no_name	No transformation		
EPSG 23030 ED50 / UTM zone 30N No transformation				il processo opera in un thread separato rispetto all'interfaccia grafica e quindi risulta interrompibile	
		viene sfrutta	ta la finestra di dialogo standard di j	gvSIG	Importazione COMPLETATA
					Warehouse: CORNO_DI_ROSAZZO_D027.mdb Feature Class [3/3]: GC_STRADA
Select Tan	sformation:	No transformation			Lettura della base di dati completata Conversione dei dati completata
		Cancella	Anteriore Seguente	Finish	ОК

6 - 7 febbraio 2009 6-7 6. in 7. abrua Estensione di gvSIG per l'accesso Tržački 2° Giornate Triestine Triestine dnevi ai dati in formato GeoMedia® MDB Utenti di utenti di gvSIG gvSIG gvSIG-a I dati visualizzati in un progetto di gvSIG 🚭 Tabella: Tabella degli attributi: GC_PARTICELLA - 🗆 🗙 -CORNO DI ROSAZZO COMUNE DENOMINA... FOGLIO **IDMAPPA** NOME NOMECDE N D027 51 51 1

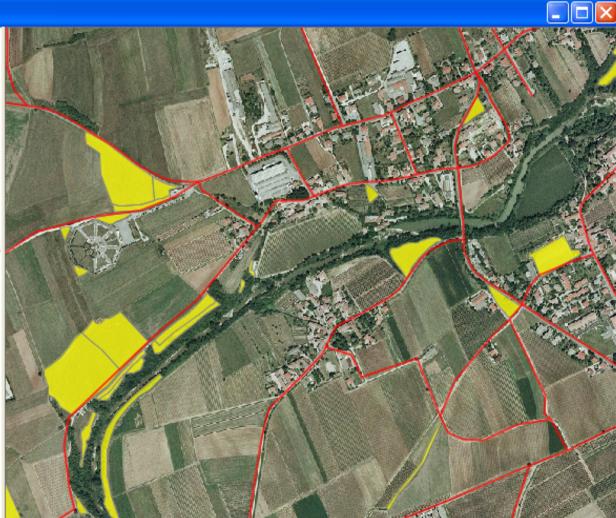




Vista : Senza titolo - 0

<

Dati del "Catalogo dei dati ambientali e territoriali" della Regione Autonoma FVG sovrapposti ad una mappa aerea

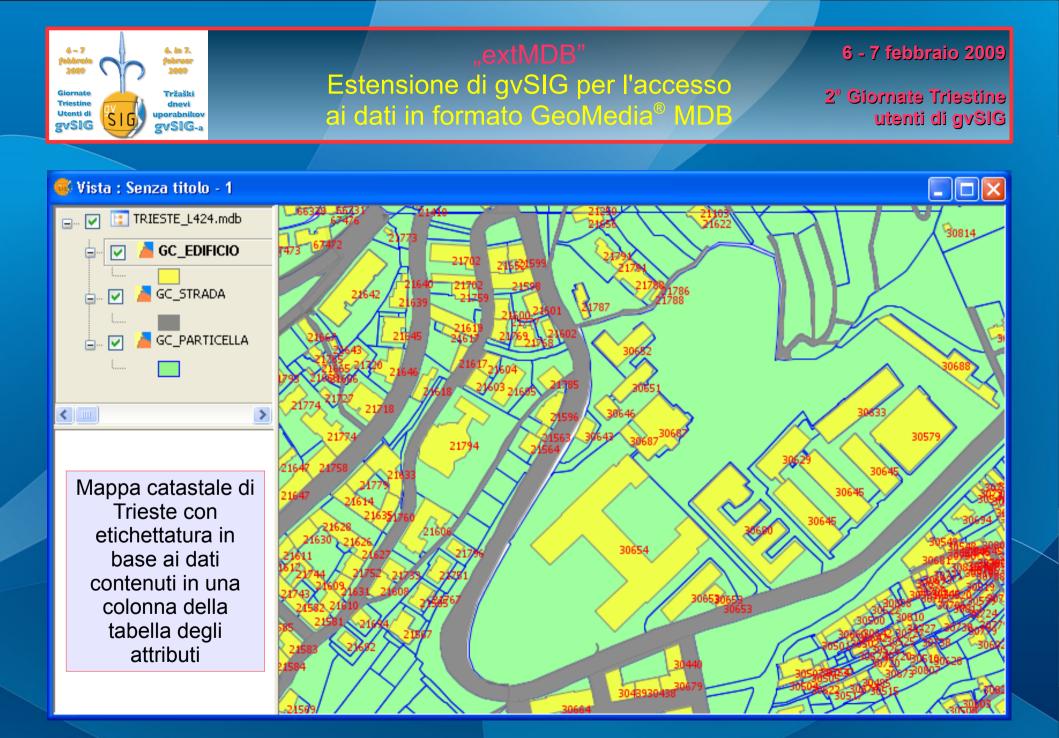


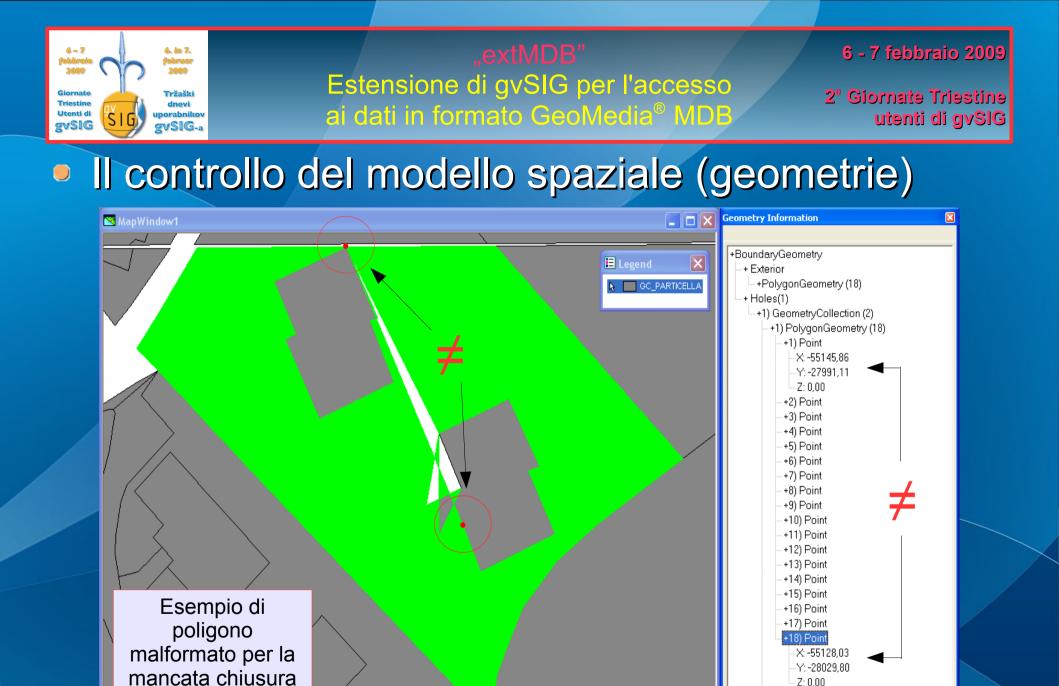


💕 Tabella: Tabella degli attributi: c5000_edificato

nome_sotto	codice_sott	codice_sott	elemento	tipo	ID	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	55	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	56	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	57	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	58	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	59	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	60	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	61	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	62	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	63	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	64	
EDIFICIO CI	4A1A0ED	4A000ED	110101	CONFERMATO	65	
0 / 8974 Totale registri selezionati.						

Carta Tecnica Numerica della Regione Autonoma FVG (strato informativo dell'edificato, confrontato anche con shp file dei medesimi dati) sovrapposta ad una mappa rilevata da satellite





Z: 0.00

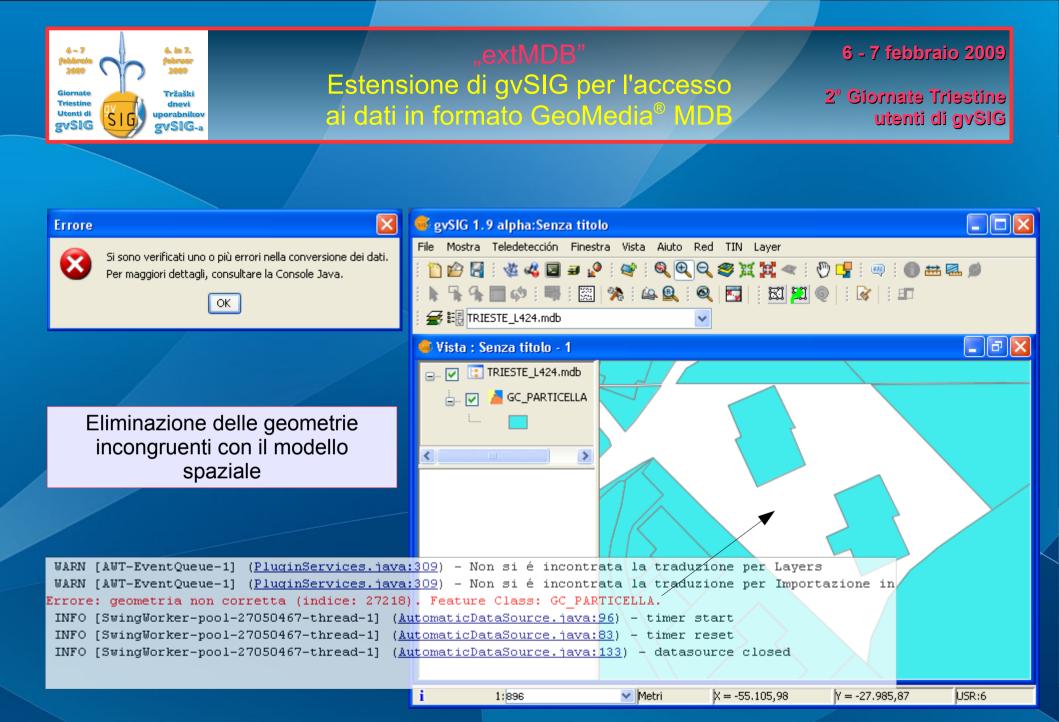
Options.

+2) PolygonGeometry (4)

Cancel

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di un'isola interna





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TO DO

- L'accesso ai dati è in sola lettura
- I tipi di geometria "text" e "image" non sono supportati e vi sono alcuni limiti sulla complessità delle geometrie
- Non è implementata la conversione automatica dei sistemi di riferimento
- È supportato (per ora) solo il sistema operativo Windows
- È supportata dalla versione 1.9 alpha di gvSIG
- Può contenere … Contiene sicuramente bug!
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