

GEOLOGIC MAPS PUBLISHED BY UNIVERSITY DE GIRONA'S unity OF GEODYNAMICS

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In 1978. University de Girona's Unity of Geodynamics started publishing geological maps, in **several** themes and scales, of various areas of the Province of Girona (fig. 1). So far, up to 38 maps, gathered in several collections, have been published.

The different series of the published maps are described here after, specifying in every case: the title of the map, publication year, authors and scale.

The Collection "El vulcanisme de les Comarques Gironines" is centred specifically on lithological and geomorphological mapping of the volcanic outcrops of the neogenic and the quaternary. The maps are published in colour, and in the scales 1:50.000 or 1:25.000. So far, 3 maps have been published (fig. 2):

- I. La Garrotxa. 1981. Pallí, L., scale 1:25.000.
- II. Gironès. 1995. Pallí, L. and Roqué, C, scale 1:50.000.
- i III. Alt i Baix Empordà. 1996. Pallí, L. and Roqué, C., scale 1:50.000.

The "Cartografia Temàtica de les Terres Gironines" Collection (The thematic mapping of the lands of the Province of Girona), as its name points out, is centred in the region of Girona and includes maps of various themes but always related to geology. The maps are published in colour on the scale of 1:200.000. The set is composed of 9 published issues and 3 issues under preparation:

1. Topografia (Topography). 1993. Brusi, D. and Pallí, L., scale 1:200.000.
2. Unitats de Relleu (Relief units). 1995. Pallí, L., Roqué, C. and Brusi, D., scale 1:200.000.
3. Unitats Cronoestratigràfiques (Chrono-stratigraphic units). 1993. Pallí, L. and Maestro, E., scale 1:200.000.
4. Estructura (Structure). 1994. Pallí, L., Maestro, E., Capellà, I., Roqué, C. and Martínez, A., scale 1:200.000.
5. Morfologia (Morphology). 1993. Pallí, L. and Roqué, C., scale 1:200.000.
6. Litologia (Lithology). 1994. Pallí, L., Roqué, C. and Brusi, D., scale 1:200.000.
7. Edafolitologia (Edapho-lithology). 1993. Roqué, C. and Pallí, L., scale 1:200.000.
8. Roques Industrials (Industrial rocks). 1995. Pallí, L., Capellà, I. and Roqué, C., scale 1:200.000.
9. Hidrografia (Hydrography). 1996. Vehí, M., Brusi, D. Pallí, L. and Roqué, C., scale 1:200.000.

Maps under preparation: Aqüífers (Aquifers); Patrimoni Geològic (Geological heritage); Riscos Naturals (Natural hazards).

The Geological maps of municipal terms collection (fig. 3) is composed of 16 maps published in colour, mainly on the scale 1:10.000, and 2 maps under preparation. The maps do not follow a concrete order if not that every map is centred in the geology of one municipal term of the Province of Girona. In some cases, these maps contain géomorphologie and tectonic schemes and geologic sections:

Mapa Geològic de (Geologic map of) Sant Feliu de Guíxols. 1978. Pallí, L., scale 1:10.000. It contains some géomorphologie data.

Mapa Geològic de (Geologic map of) Castell d'Aro-Platja d'Aro. 1980. Pallí, L., scale 1:10.000. It contains some géomorphologie data.

Mapa Geològic de (Geologic map of) Cassà de la Selva. 1982. Pallí, L. and Trilla, J., scale 1:10.000. It contains a white and black géomorphologie scheme on the scale of 1:50.000.

Mapa Geològic de (Geologic map of) Girona. 1982. Pallí, L., scale 1:20.000. It contains a white and black géomorphologie map on the scale of 1:50.000.

Mapa Geològic de (Geologic map of) Maçanet de la Selva. 1983. Pallí, L., Trilla, J. and Estalrich, J., scale 1:10.000. It contains a white and black géomorphologie map on the scale of 1:50.000.

Mapa Geològic de (Geologic map of) Santa Cristina d'Aro. 1985. Pallí, L., scale 1:10.000. It is composed of 3 sheets and contains a white and black géomorphologie map on the scale of 1:25.000

Mapa Geològic de (Geologic map of) Palamós. 1987. Pallí, L. and Brusi, D., scale 1:10.000.

Mapa Geològic de (Geologic map of) Palafrugell. 1990. Pallí, L. and Roqué, C., scale 1:10.000.

Mapa Geològic de (Geologic map of) Regencós. 1991. Pallí, L. and Roqué, C., scale 1:5.000.

Mapa Geològic de (Geologic map of) Tossa de Mar. 1991. Pallí, L. and Roqué, C., scale 1:10.000.

Mapa Geològic de (Geologic map of) Begur. 1991. Pallí, L. and Roqué, C., scale 1:10.000.

Mapa Geològic de (Geologic map of) Pals. 1992. Pallí, L. and Roqué, C., scale 1:10.000.

Mapa Geològic de (Geologic map of) Mont-ras. 1992. Pallí, L. and Roqué, C., scale 1:10.000.

Mapa Geològic de (Geologic map of) Calonge. 1992. Pallí, L. and Roqué, C., scale 1:10.000. It is composed of 2 sheets.

Mapa Geològic de (Geologic map of) Santa Coloma de Farners. 1993. Pallí, L., Roqué, C. and Capellà, I., scale 1:10.000. It is composed of 2 sheets.

Mapa Geològic de (Geologic map of) Besalú. 1997. Pallí, L., Roqué, C. and Capellà, I., scale 1:5.000. Géomorphologie information is superimposed. It contains geologic sections.

Maps under preparation: Mapa Geològic de (Geologic map of) Roses; Mapa Geològic de (Geologic map of) Lloret de Mar.

The collection: Geomorphological maps of municipal terms (fig. 3) is composed of 4 maps published in colour or white and black on the scale of 1:10.000. These map, as the precedent ones, do not follow a concrete order. They are as follows:

Mapa Morfològic de (Morphological map of) Palamós. 1987. Pallí, L., Brusi, D., Trilla, J. and Estalrich, J., scale 1:10.000. It is published in white and black.

Mapa Morfològic de (Morphological map of) Tossa de Mar. 1993. Pallí, L. and Roqué, C., scale 1:10.000. Published in colour. It has a topographic base.

Mapa Morfològic de (Morphological map of) Santa Coloma de Farners. 1994. Roqué, C. and Pallí, L., scale 1:10.000. It is composed of 2 sheets. It is published in colour and has a topographic base.

Mapa Morfològic de (Morphological map of) Sant Feliu de Guíxols. 1996. Pallí, L. and Roqué, C., scale 1:10.000. It is published in colour and has a topographic base.

The Geological cartography of relief units collection (fig. 2). This set contains 6 maps published in colour or white and black on the scale of 1:25.000. The themes dealt with are varied. It includes geologic, lithological and geomorphological maps. There is no specific order. The following maps have been published so far:

Mapa Morfològic de (Morphological map of) la Depressió de la Selva. 1983. Pallí, L., Trilla, J. and Estalrich, J., scale 1:25.000. It was published in white and black. It contains a geologic scheme on the scale of 1:100.000 and a tectonic scheme on the scale of 1:200.000

El Montgrí. 1983. Pallí, L., Llompart, C. and Estalrich, J., scale 1:30.000. It is composed of a geologic map in colour and a white and black geomorphological map.

Mapa Morfològic de (Morphological map of) la Conca del Ridaura. 1985. Pallí, L., Estalrich, J. and Trilla, J., scale 1:25.000. It was published in white and black. It contains a geological and tectonic scheme on the scale of 1:50.000.

Mapa Lito-morfològic de (Litho-morphological map of) la Plana del Baix Empordà. 1989. Pallí, L. and Mas, J., scale 1:25.000. It is a geomorphological map published in colour and contains some lithological data.

Mapa Lito-morfològic del (Litho-morphological map of) Massís de Begur. 1990. Pallí, L. and Roqué, C., scale 1:25.000. As the last map, it is a geomorphological map published in colour and contains some lithological data.

Mapa Litològic del (Litho-morphological map of) Massís de Begur. 1991. Pallí, L. and Roqué, C., scale 1:25.000. To complement the last map. It is published in colour.

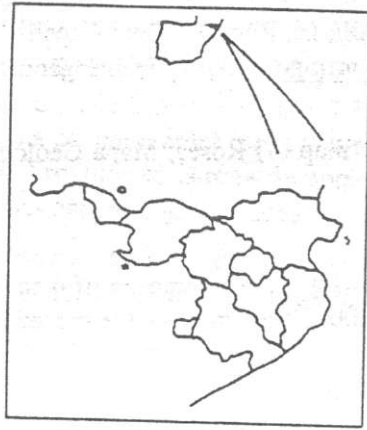


Figure 1. Localisation of the Province of Girona

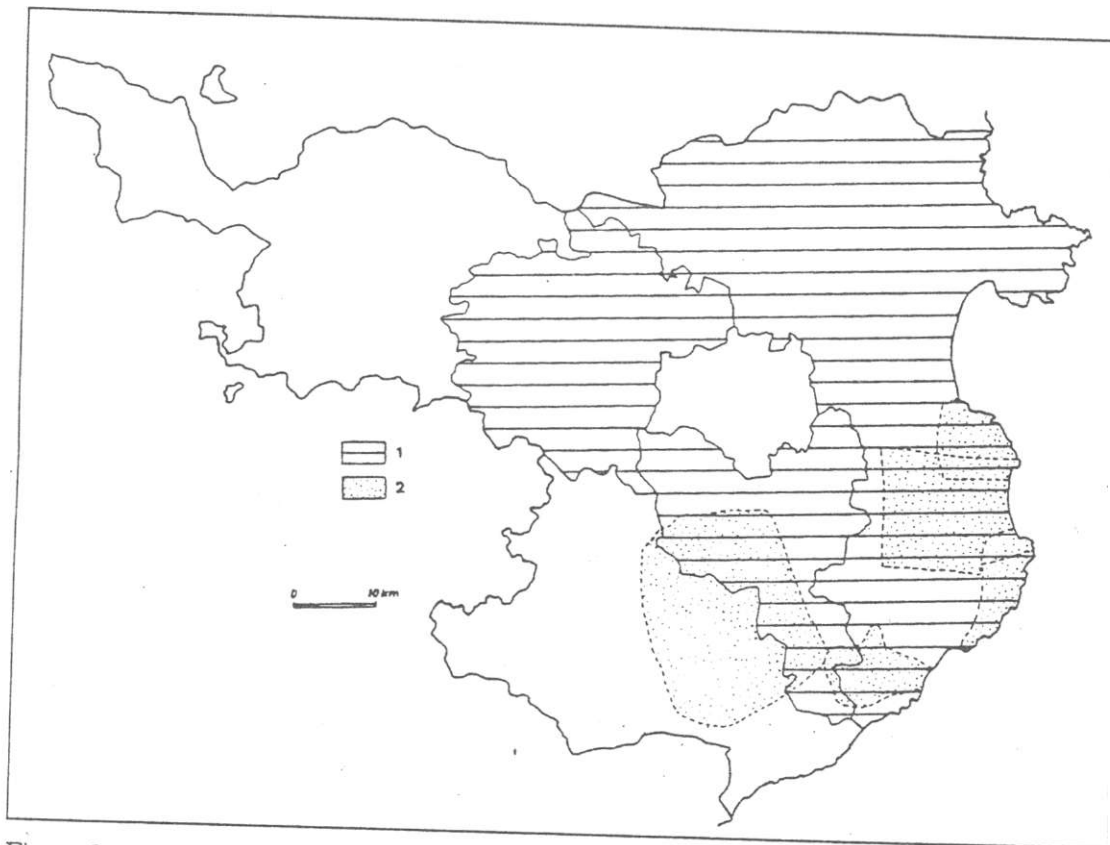


Figure 2. Areas mapped in the Collection: "El Vulcanisme de les Comarques Gironines" (1) and in The Geological cartography of relief units collection (2).

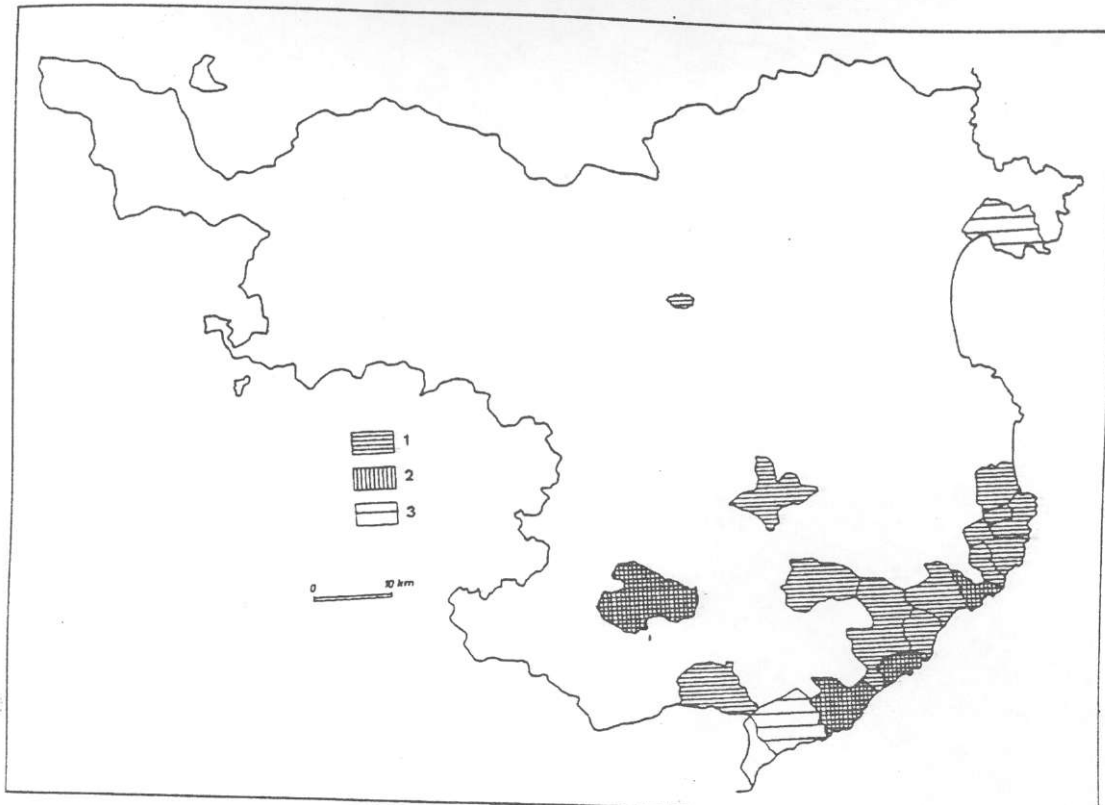


Figure 3. Municipal Terms mapped in the Geologic maps collection (1) and in the geomorphological maps collection (2), with an indication of those maps under preparation.