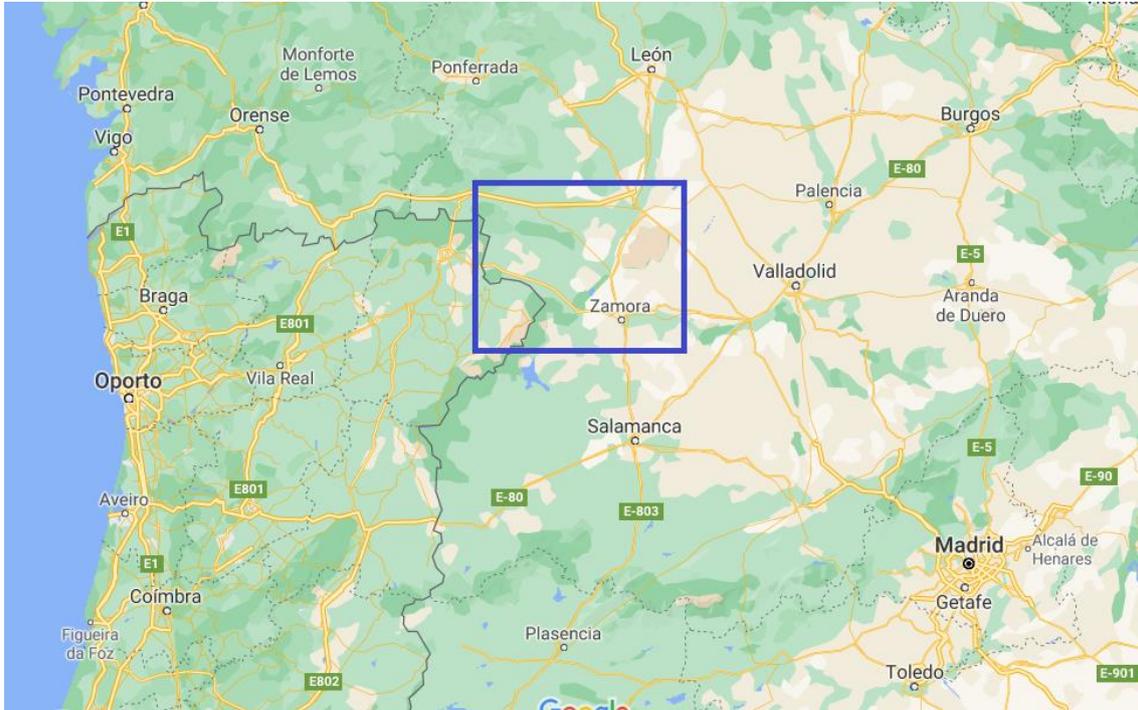


## First Steps in the International Appalachian Trail in Zamora Spain

This part of The IAT – Spain in Zamora it has been develop by the geologist Manuel Iglesias Aguirre. He is managing to proyects base on geoturism in the Zamora province  
<http://www.rutasgeologicaszamora.es/> and <https://www.todoestoeracampo.com/>

The province of Zamora it lies in the northwest of Spain, near the frotier with Portugal.

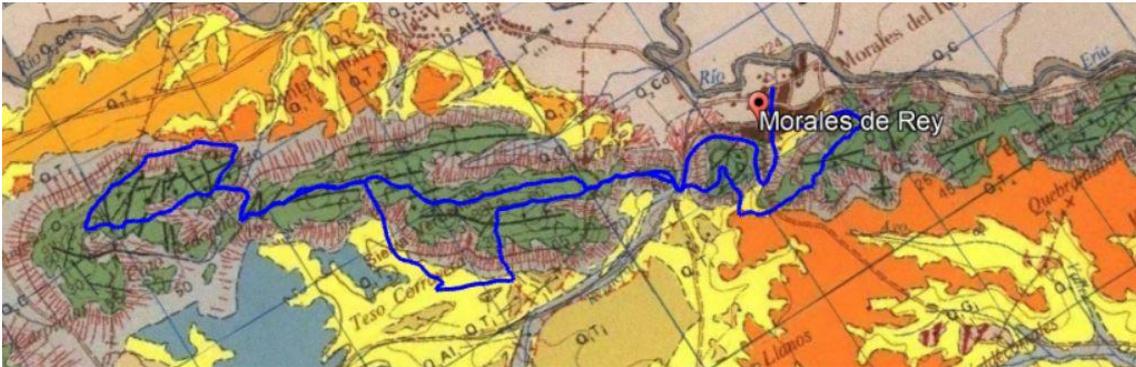


In this zone we have a very good representation of the Appalachian relief in Spain, in this article we are goin to talk about Sierra de Carpurias a trail of 10, 6 miles / 17 kilometres.

[http://www.rutasgeologicaszamora.es/comarcas/puntos\\_rutas/benavente/carpurias.html](http://www.rutasgeologicaszamora.es/comarcas/puntos_rutas/benavente/carpurias.html)

This trail takes the hiker to explore the mountains near the town of Morales del Rey, being able to apprecite a centenary cork oak, the splendid natural landscape and examples of synclines and the characteristic Appalachian relief. As you see in the next two pictures this route follows the lower Ordovician.

The Sierra de Carpurias belong geologically to the terrigenous series of the Sinforme de Alcañices. The Quartzites of the Appalachian relief are of the Arenigiense age and in Zamora they are called Fm. Peña gorda or Fm. Culebra in the Alcañices´ Sinforme



## LEYENDA

		CUATERNARIO									
ORDOVICICO	INFERIOR	LLANDEILOIENSE	O <sub>21-22</sub>								
		LLANVIRNIENSE	O <sub>21-22</sub>								
		ARENIGIENSE	O <sub>12</sub>								
		TREMADOCIENSE	O <sub>11-12</sub>								
	MEDIO										
	NEOGENO										
	TERC.										

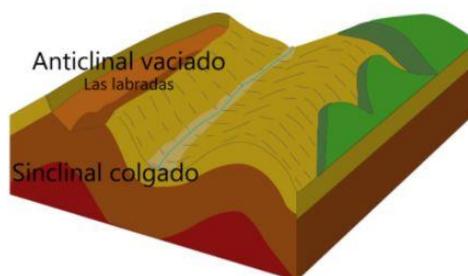
  

QAL	Aluviones recientes, arenas, arcillas y cantos rodados.
QT <sub>1</sub>	Terrazas, limos y cantos rodados.
QL	Aluviones, cantos de cuarcitas, pizarras y limos
QE	Arcillas y fragmentos de pizarras
QGL	Depósitos glaciares
T <sub>c</sub> <sup>a</sup>	Limos, arcillas, cantos rodados y conglomerados
O <sub>21-22</sub>	Alternancia de pizarras y areniscas
O <sub>21-22</sub>	Intercalaciones vulcanosedimentarias
O <sub>21-22</sub>	Pizarras
O <sub>12-21</sub>	Pizarras, areniscas y algún banco de cuarcitas
O <sub>12</sub>	Cuarcitas blancas
O <sub>11-12</sub>	Intercalaciones vulcanosedimentarias
q	Banco de cuarcitas blancas
O <sub>11-12</sub>	Pizarras, areniscas y cuarcitas

This mountain range that delimits the Tera Valley to the northeast is made up of quartzite alignments about 30 Kilometres long and 6 kilometres wide. Its direction, between Ayoó de Vidriales and Manganés de la Polvorosa, is typical of the Hercynian/Variscan structure.



It is without a doubt one of the best examples of the Appalachian modeling of the Zamora territory: a form of modeling in very old rocks that turn the relief into an erosion platform. As in the American Appalachians, reliefs of this type almost always occupy areas in the plains and in sedimentary basins and are made up of layers or strata that are very rarely horizontal



Modelo del relieve apalachense

As we are working in this zone, you will see soon more trails in this area that we will connect with Galicia in the following months, stay tuned!

Reference web pages

- <http://www.rutasgeologicaszamora.es/>
- <https://www.todoestoeracampo.com/>

- <http://info.igme.es/cartografiadigital/geologica/Magna50.aspx>
- <https://senderointernacionalapalaches.org/>

We have also used Google Maps and Google Earth