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**PhD project: Cretaceous Palynostratigraphic Scale: Application to the Galician Continental Margin**

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**Summary:** This Ph.D. thesis is focused on the study of the palynological microfossils yielded in the offshore sediments with a Cretaceous age, located in the NW of the Iberian Peninsula. In particular, in the Galician Bank (ODP sites: 638, 639, 640 and 641), in the Galician Interior Basin (ODP site: 398) and its correlation with other analog sediments in NW Spain. The importance of this thesis project is in the advance about the knowledge in the Galician Mesozoic geology. This knowledge is, nowadays limited due to the lacking of onshore sediments with this age. However, the existence of that kind of deposits is known, having a huge potential for the exploitation of energetic and geological resources, or even geological formations able to CO<sub>2</sub> capture and storage.

Therefore, the objectives of this thesis project are the followings:

- Dating the Cretaceous sediments present in the Galician offshore.
- The correlation of the Galician palynological assemblages with others from the Iberian Peninsula and the same age.
- The elaboration of a local palynostratigraphical scale for the Cretaceous.
- To provide information about the conditions of climate, environment and ecology of these deposits during the sedimentation.

