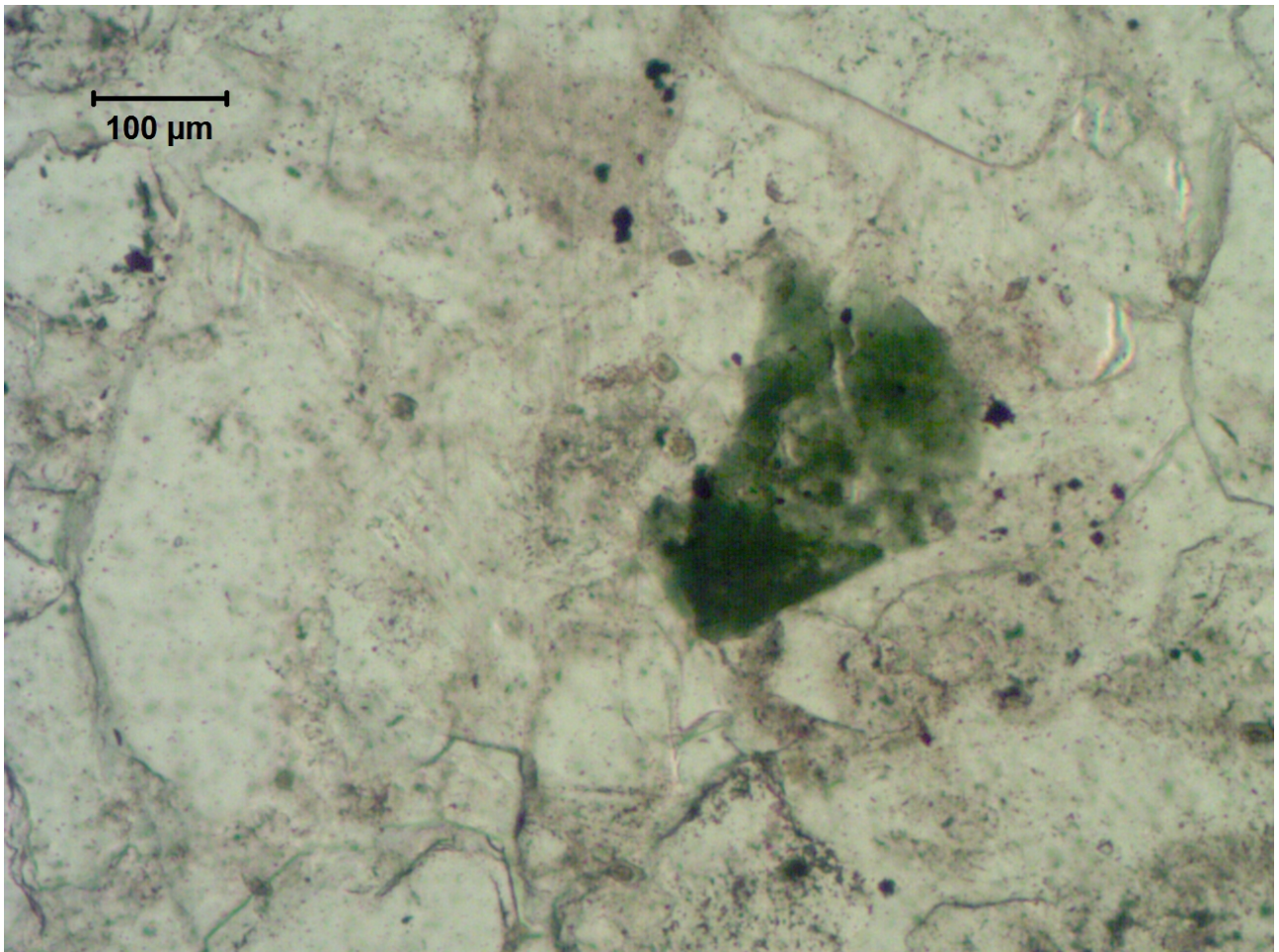
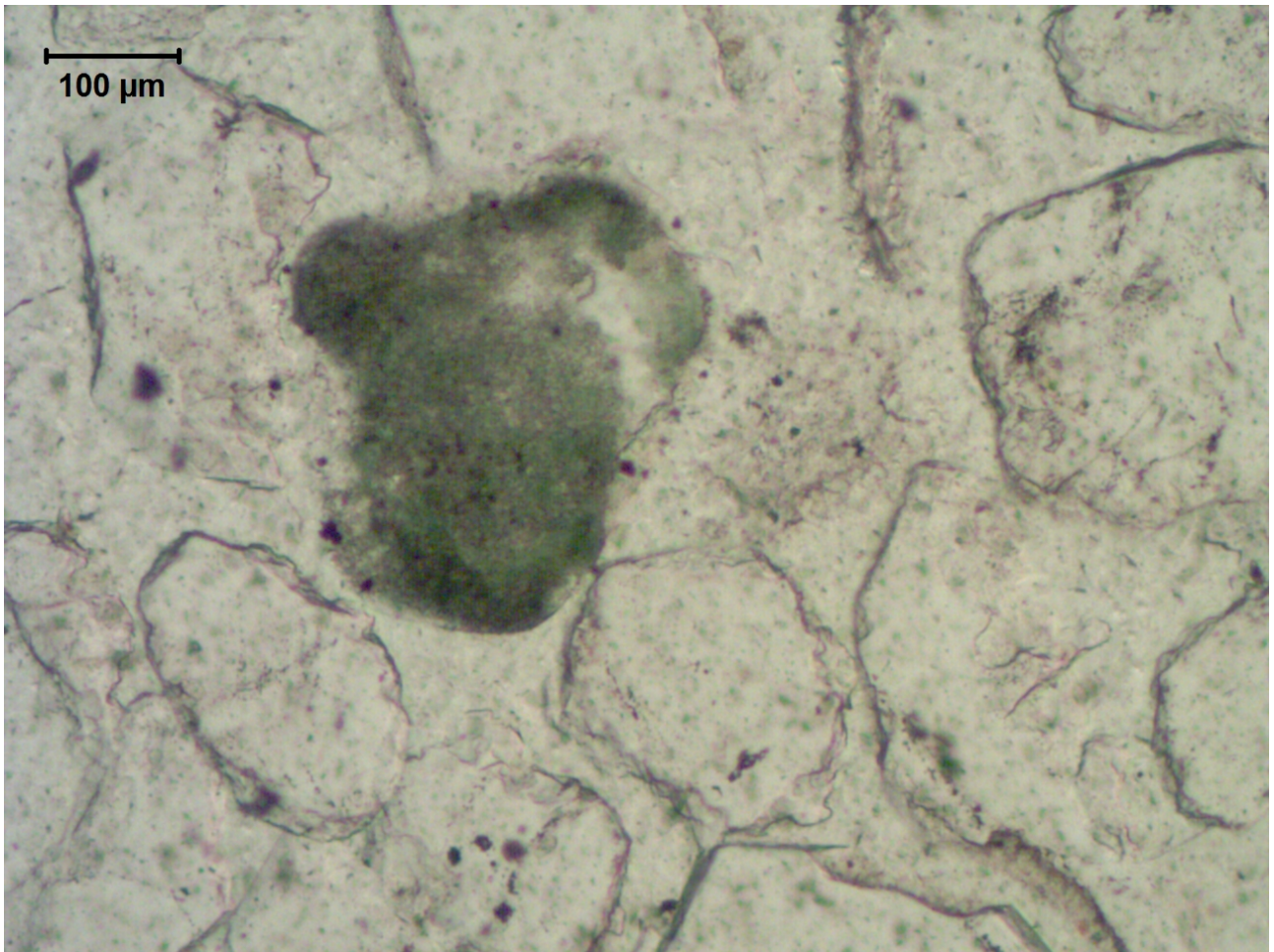


# **Intertwined fates of iron-bearing, authigenic minerals during early diagenesis of sandy marine deposits: glauconite, pyrite and magnetite as a eeting memory of the early days**

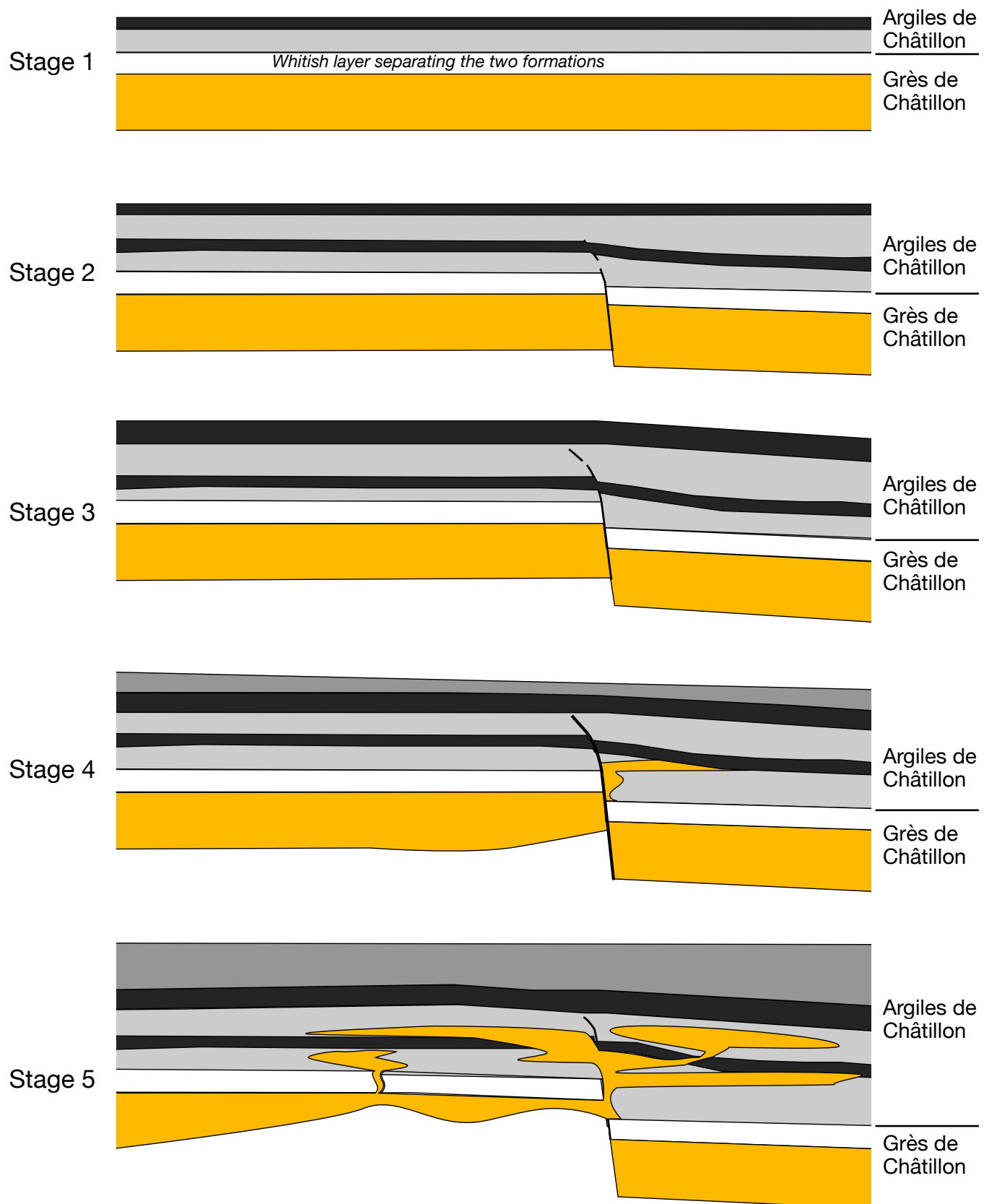
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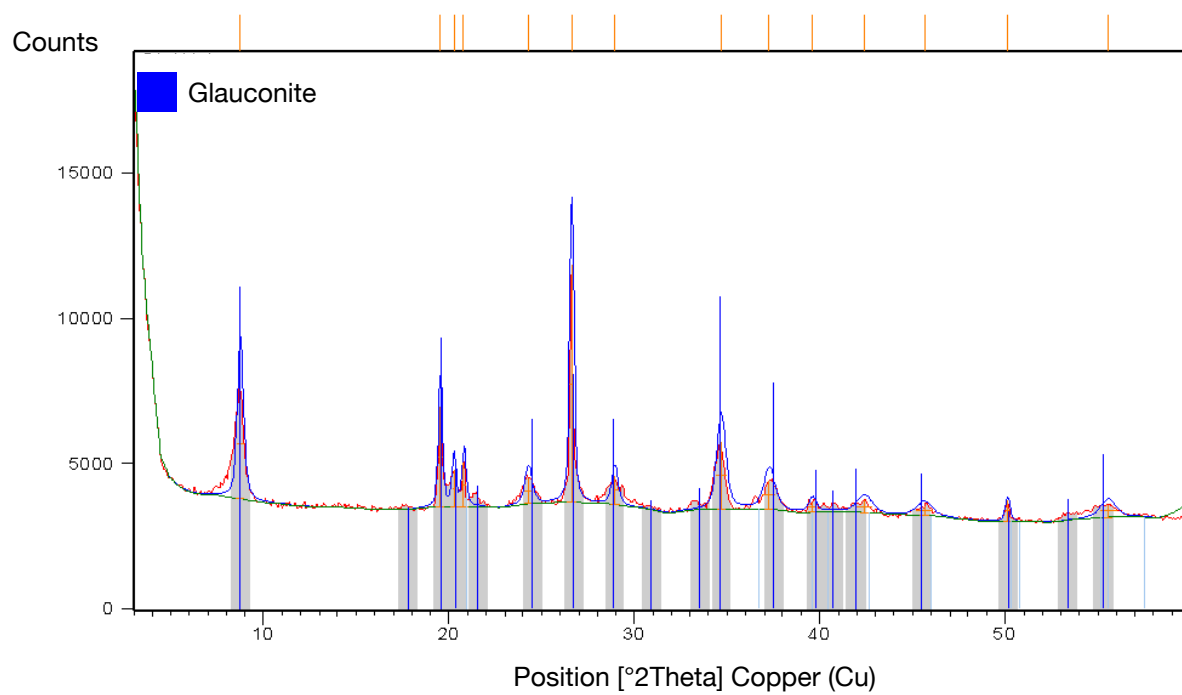
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Supplementary material Figure S1. Two pictures through platonic microscope of the early lithified sandstones of the Cran du Noirda outcrop.



Supplementary material Figure S2. Reconstruction of the successive steps of the synsedimentary deformation undergone by the lower part of the Argiles de Châtillon Fm. Uncemented sand (yellow) is injected through the whitish bed separating the Grès de Châtillon and the Argiles de Châtillon formations (see Fig. 2), into the basal claystone level of the Argiles de Châtillon (grey-black). Modified from Averbuch and Gillot (2015).



Supplementary material Figure S3. Typical specimen of the glauconite diffractograms.