The Spanish Upper Triassic vertebrate site of El Atance: an update

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The Upper Triassic site of El Atance (Sigüenza, Guadalajara Province, Central Spain) is the only Iberian fossil site where several partial skeletons of Triassic reptiles, preserved in three dimensions, have been recovered. However, scarce information on this relevant site had been published until recently. Thus, two new sauropterygian reptiles have been described in 2018, the placodont *Parahenodus atancensis* and the eosauropterygian *Paludidraco multidentatus*, both recognized as exclusive of this fossil site. *Paludidraco multidentatus* represents a bizarre and highly pachyostotic nothosauroid simosaurid. It has been identified as a filter-feeding form. The Henodontidae *Parahenodus atancensis* shares highly derived characters with the strange *Henodus chelyops*, from the Upper Triassic of Germany, but also retains some primitive states shared with other cyamodontoid placodonts. Both forms show adaptations to very specialized ways of life. The detailed study of the type specimens of these two taxa, as well as those of other remains from this site, allow a better knowledge about the fauna represented there. In fact, in addition to the finding of additional remains of *Paludidraco multidentatus*, several remains of a representative of a third clade, corresponding to an indeterminate nothosaur, are also identified. An update on the implications of the recorded diversity in El Atance, as well as on those related to the disparity and evolutionary history of each of the lineages identified in this site, are presented here.