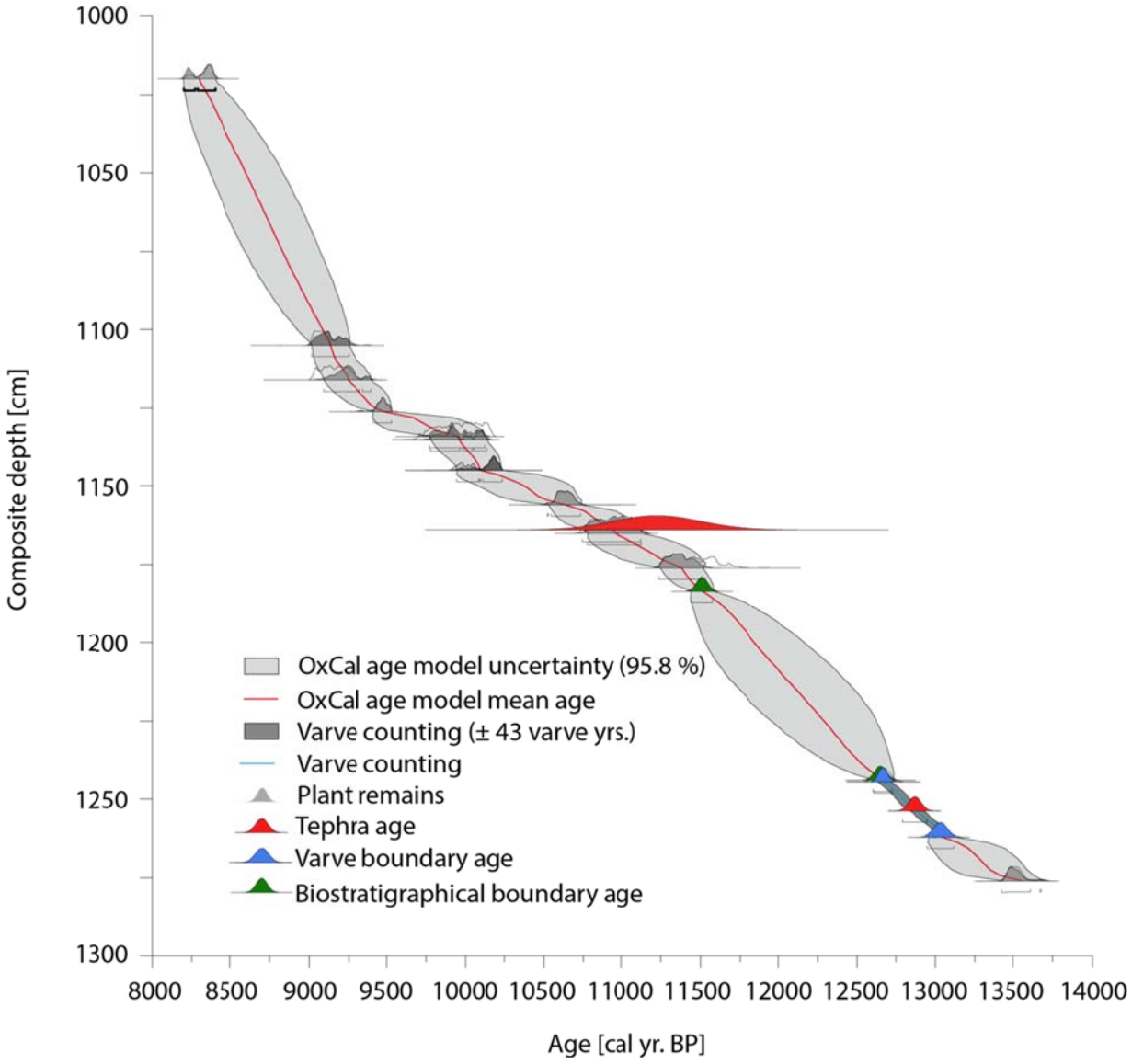

TRZ age model using the P_Sequence model (2,0.5,U(-2,2)) in OxCal v.4.2 (Bronk Ramsey, 2008; Bronk Ramsey and Lee, 2013) with the IntCal13 radiocarbon calibration dataset (Reimer et al., 2013). The information of 11 AMS 14C dates, two varve ages, two tephra ages and a biostratigraphy age (Table 1) have been implemented in the P_Sequence age model. The floating varve chronology has been anchored by means of the Laacher See Tephra age at 12,880 +/- 40 varve yrs. BP (Brauer et al. 1999) previously identified in the TRZ record (Wulf et al. 2013). The identification of the Askja-S cryptotephra allowed to transfer the age of 11228 +/- cal yrs BP as reported from the neighbouring Lake Czechowskie sediment record (Ott et al. 2016).