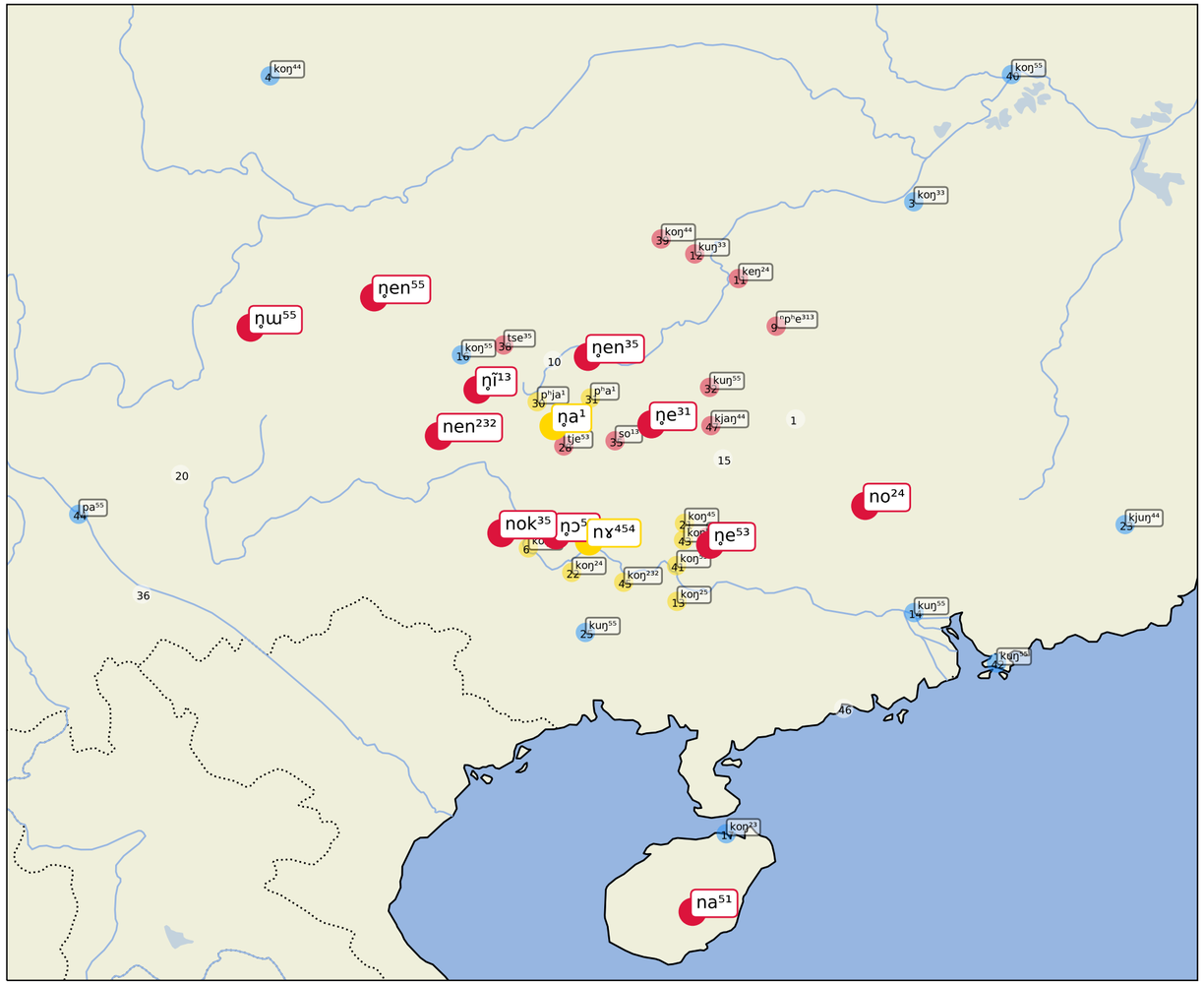concept-BOW-23