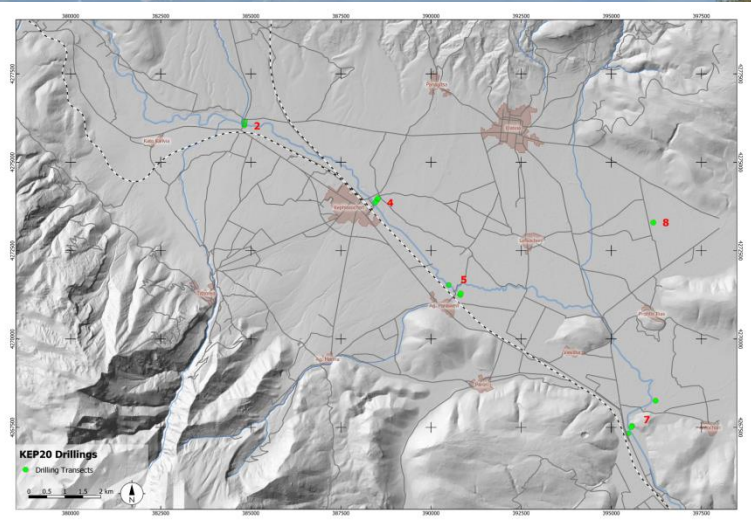


2020 “Paleoclimatic and paleohydrologic changes in Kephissos Valley during the Late Bronze Age to Late Antiquity”

Main aims of study:

- *Identification of the diachroneous changes of the river course*
- *Identification of potential settlement sites & bridgeheads*



Results: No diachroneous changes in the course of the river Kephissos
 Bridgeheads at Paliothiva and N of Agia Paraskevi (K. Sporn)
 Shallow flood channels close to the surface

2020 “Paleoclimatic and paleohydrologic changes in Kephissos Valley during the Late Bronze Age to Late Antiquity”

Field methods:

Surface surveys, georadar, percussion drillings, sedimentology (acc. to AG Boden 2005)

Laboratory methods:

General sedimentology (fe grain size, LOI), magnetic susceptibility, dating (OSL)

Problems in 2020:

Stiff sediments & gravel (equipment failure)

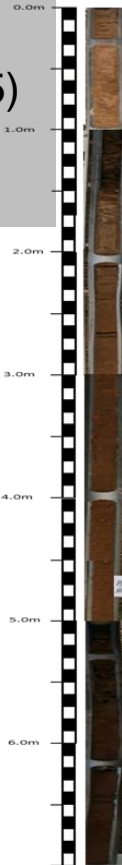
Flooding (17.9.2020 – 20.9.2020)



Problems in 2021:

Heavy equipment necessary

Corona virus



→ 2021 “Holocene Flooding in the Kephissos Fluvial System”

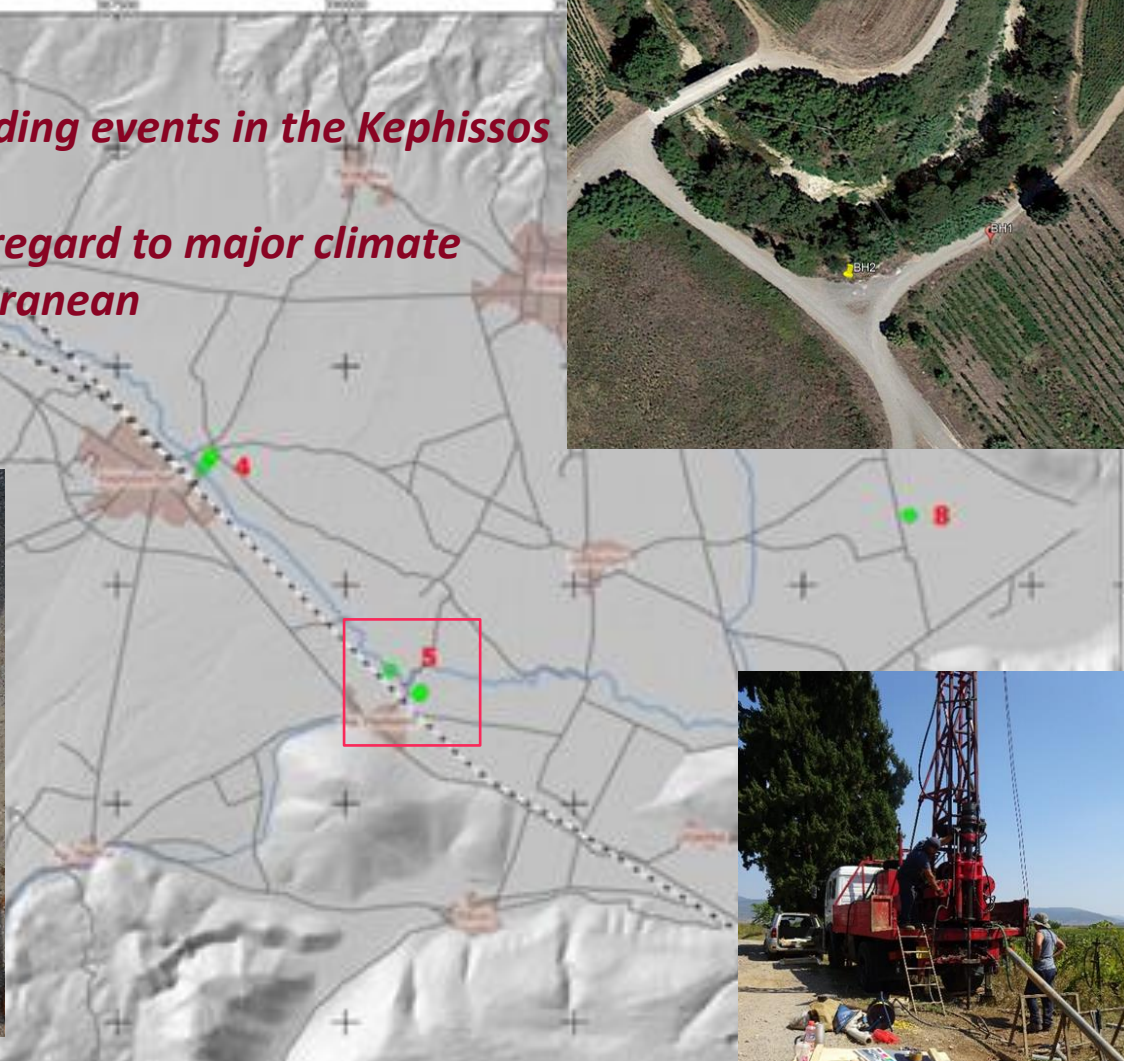
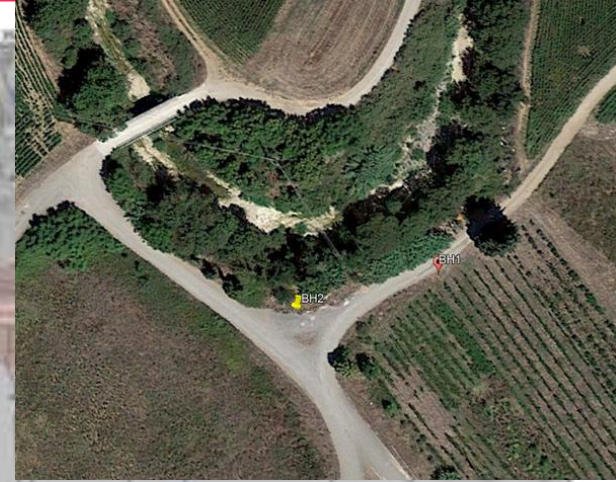
Coring: EDAFOS Engineering Consultants S.A. (G. Dounias & E. Lyberis)

OSL Dating: Dimokritos Center for Material Sciences (G. Bassiakos & E. Tsakalos)



Main aims of study:

- Identification of the major flooding events in the Kephissos Valley from 3.2-1.4 ka BP
- Correlation of the results with regard to major climate changes in the Eastern Mediterranean



**Results: Last great flood at 1.0 kabp (results from 2020)
Current work: Sedimentology, dating**