Botanical Macroremains from Slav Settlements on the River Elbe Floodplains in Comparison to On-Site and Off-Site Pollen Data

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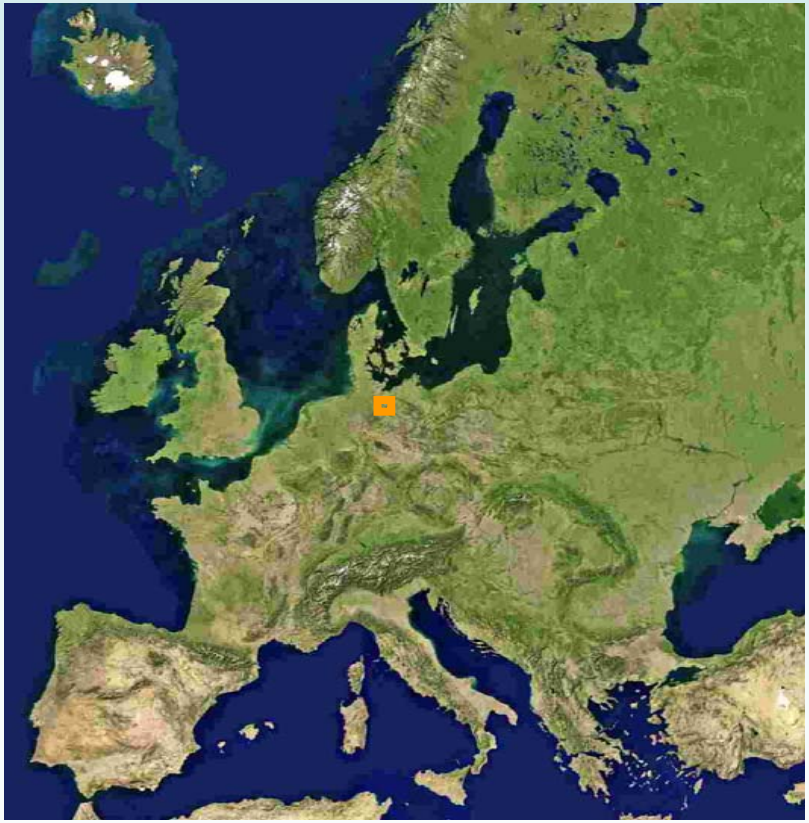
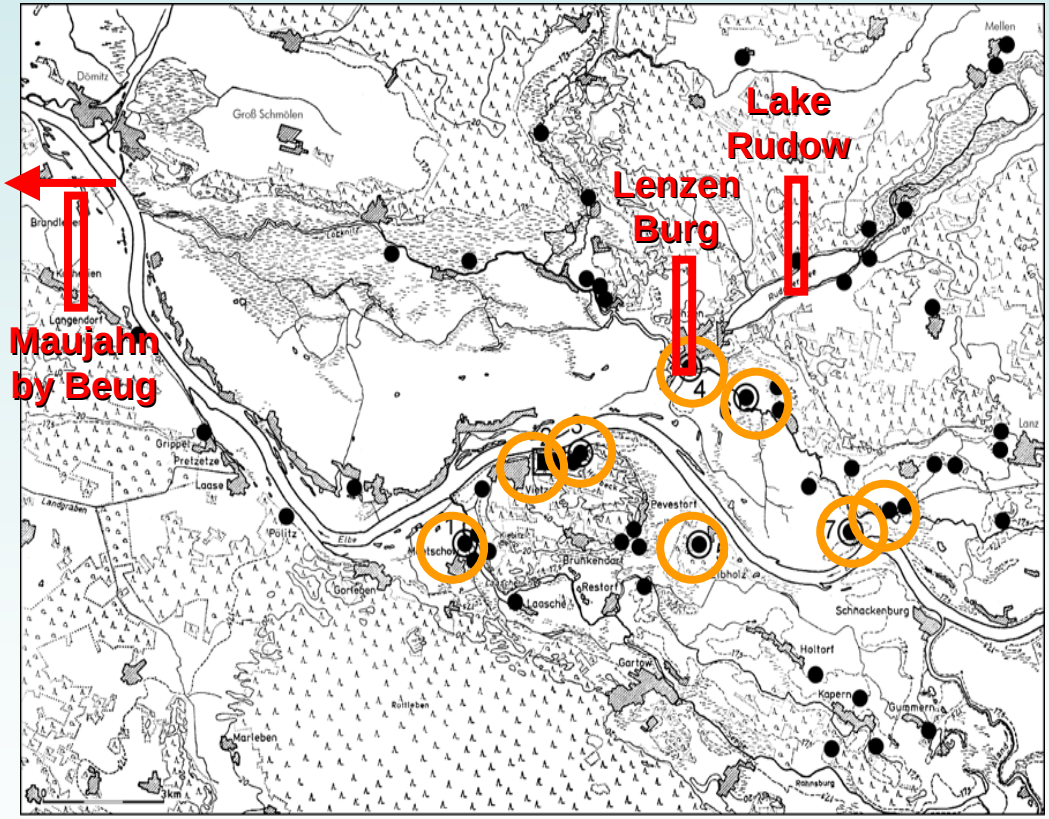
Location of the Slavic Sites on River Elbe Floodplains



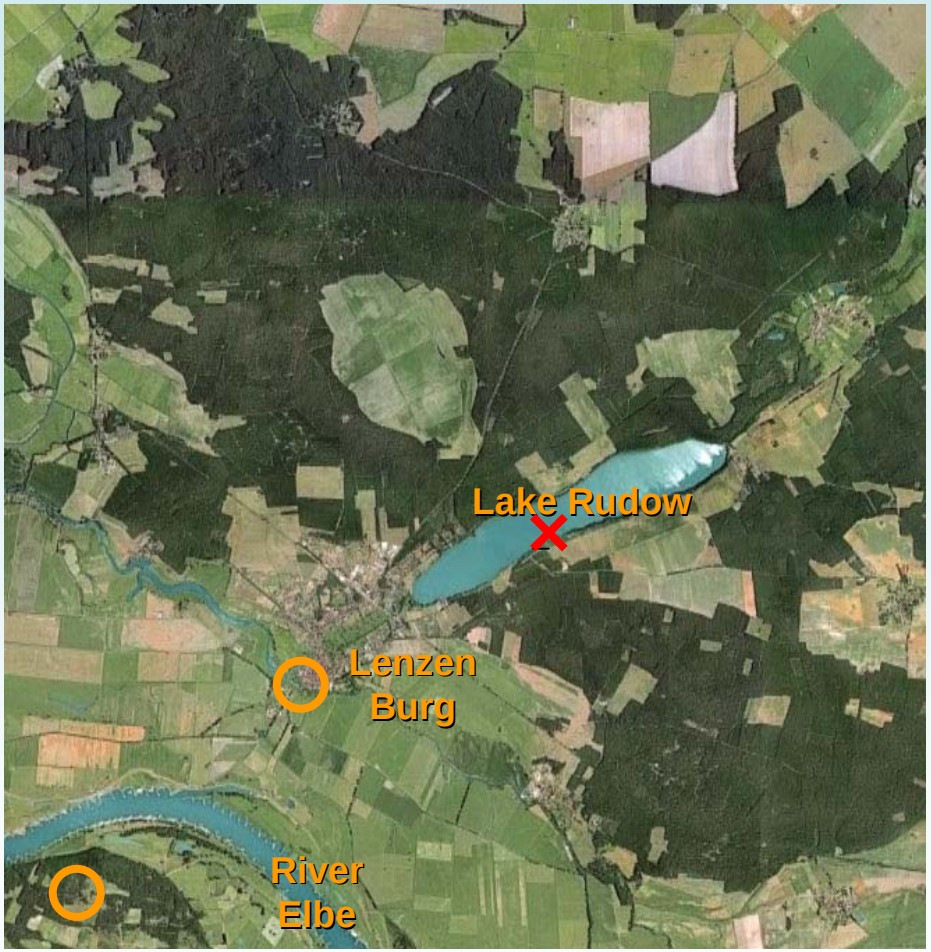


Some of the analysed Slavic Sites in Arial Photos

DFG-Project „Slawen an der unteren Mittelelbe – Untersuchungen zur ländlichen Besiedlung, zum Burgenbau, zu Besiedlungsstrukturen und zum Landschaftswandel“

Brandenburg, Niedersachsen & Mecklenburg-Vorpommern

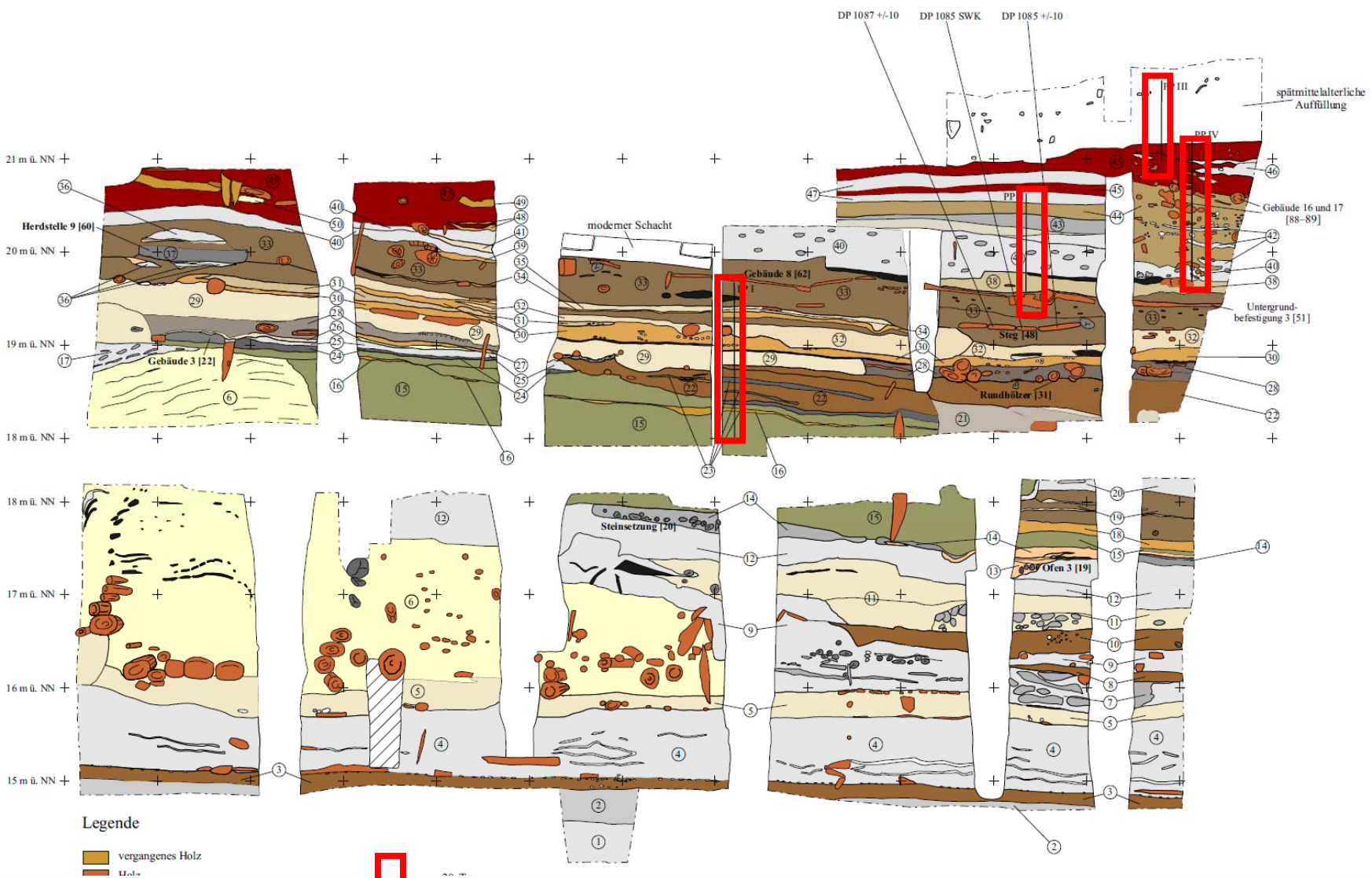
Historical Background



castellum
Hohbuoki

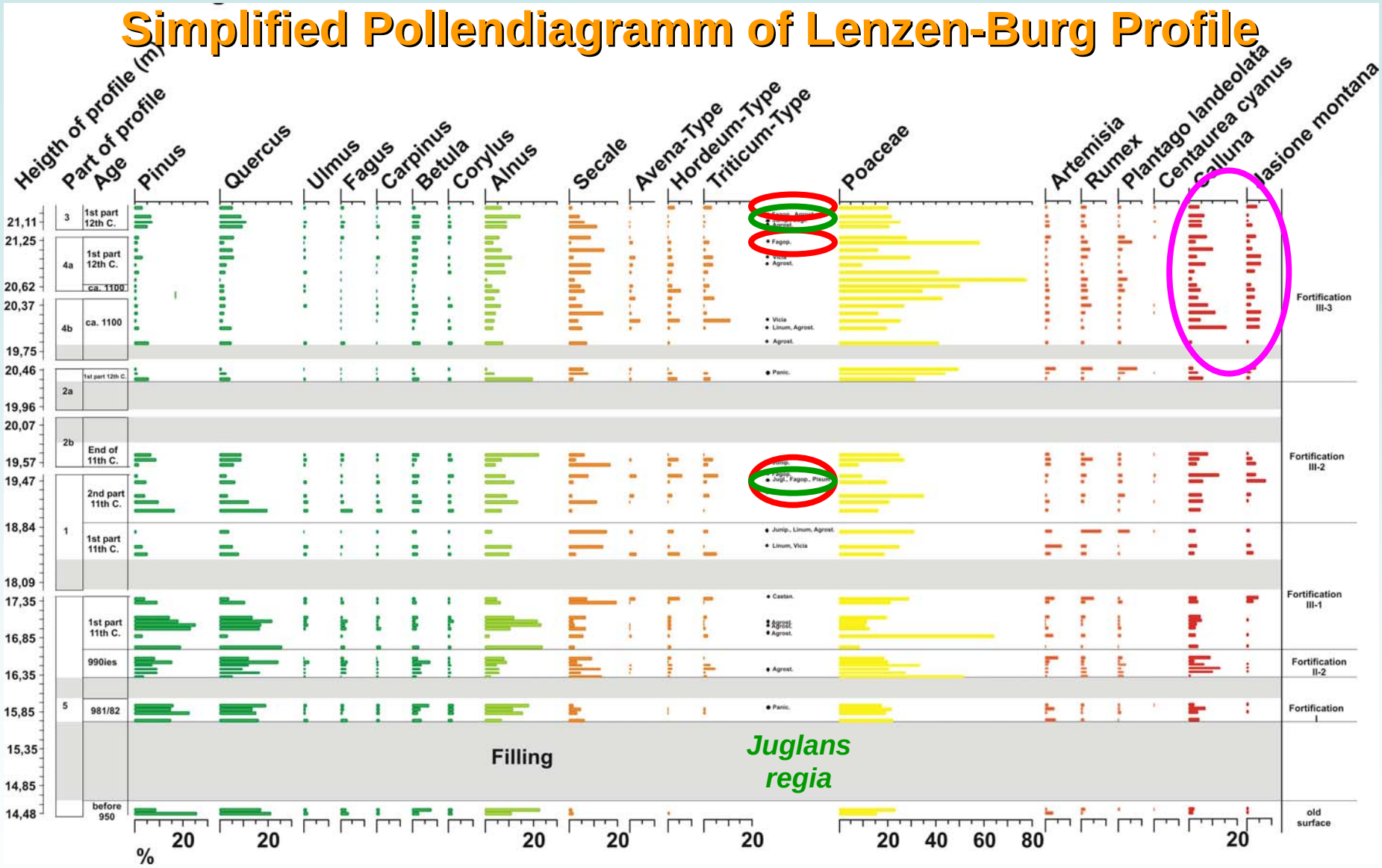
- Dykes at River Elbe since 13./14. c. AD
- Slavic fortresses on both sides of River Elbe
- Slavic Friedrichsruhe since late 8th c. AD
- Slavic Lenzen-Neuehaus since 800 AD
- Slavic Lenzen-Burg since 950 AD, 11-12th c.
- Lenzen main place of Linonen
- Slavic passage through River Elbe
- Vietzer Schanze = *castellum* Hohbuoki
- Carolinian fortess by Carolus Magnus 810/811
- Franks and Saxons - Slavs

The Profile of the Slavic Fortress of Lenzen

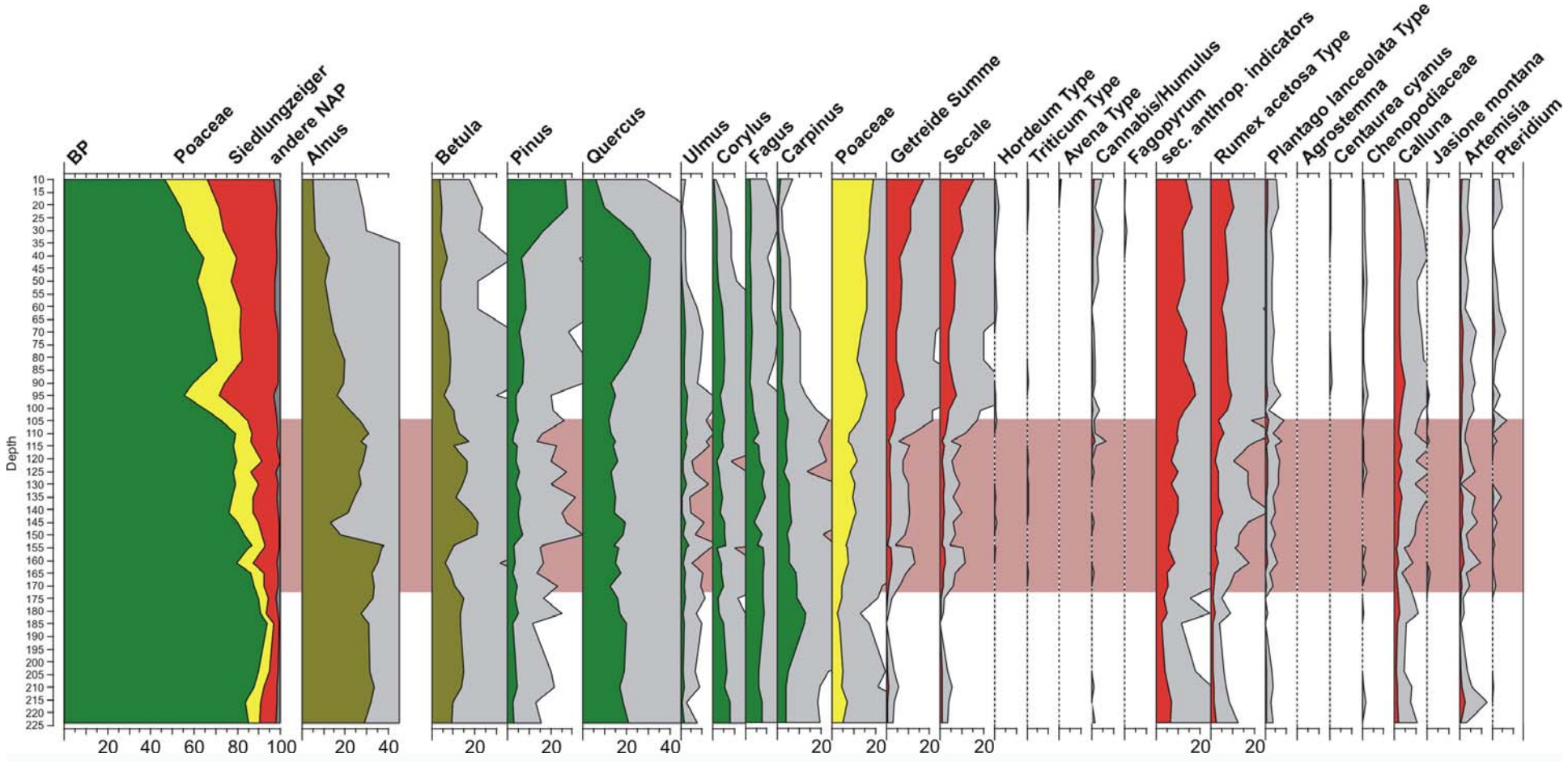


Pollen profile segments visible in Profile III Nord

Simplified Pollendiagramm of Lenzen-Burg Profile



Lake Rudow - Pollendiagramm



Conclusions

- **main crops** millet, rye, oat – hulled barley, bread wheat and lenseed
- **waterlogged** preservation: millet gets more important - representativity
- **wild plants** building the fortress walls mud from the floodplains was used
- **dung layers** from Lenzen-Burg – must be dung of pigs
- **comparison with pollen data**: crops cannot be calculated by pollen
- **pollen date** give a different information
- **pollen and macroremain data** complete each other