Investigation of the Garzweiler Coal Deposit using Central and Fixed Loop Transient Electromagnetics

102U1 11: g=0.40 12: g=0.75 NO a.e.v

58

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Conclusion & Outlook

- ·A direct comparison of the CL results with the geological cross-section is only partly possible. Borehole information will be helpful.
- The shallow coal bearing layer seems to be resolved at a depth of approx. 50 m. • The deep coal transitions are not resolved.
- Future steps are: Joint inversion of CL and FL data
- 2D/3D inversion of field data
- Integration with ERT results and comparison with geology.

Acknowledgments and References

would like to thank the Republic of Turkey for supporting me financially by providing a scholarship. Kartmann, T., 2019, Combined fixed- and central-loop TEM and DCR me Nysterbach fault structure. Institut für Geophysik und Meteorologie. MSc thesis.

[3]Yogesh ar, P., 2014. A children and the second sec

[5] Liu, Y., et al., 2023, Multi-Dimensional Inversion of Various Loop Source Time-D Data Application Study, Transactions on Geoscience and Remote Sensing, [submitted].