

03-09-2020 – Aarhus Workbench TEM webinar Q&A

1. is there any tutorial using SPIA?

Yes, as I mentioned at the webinar we have a number of guides on our wiki page here:

<http://www.ags-cloud.dk/Wiki/SPIA>

there is also a video tutorial and if you want to take the data from SPIA over to Aarhus Workbench later, there more about that here:

http://www.ags-cloud.dk/Wiki/W_SPIAGuides

This guide is not entirely up to date, it doesn't mention the LCI option for SPIA databases that I talked about, but the F1 wiki you can open when you get to the station setup part of the LCI, should tell the missing part about labels.

2. I am interested in the IP effect in TEM data. Could you elaborate on how to do the inversion?

At the webinar I assumed you were talking about IP inversions of TEM data in Workbench. If you are thinking about single site TEM data with IP in SPIA, we have some information here:

http://www.ags-cloud.dk/Wiki/S_SPIATEMIp

You can certainly also start such IP TEM inversions in Workbench, both with LCI and SCI, you just need to change the inversion type from resistivity to the type of IP inversion you want to use. Then you can setup the IP parameters just as you would the resistivity parameter during the model setup. Such inversions will however be more dependent on the starting values for your parameters than typical resistivity inversions. And the automatic starting resistivity option we have for resistivity, were not created with IP affected data in mind, so they are not really suited for this situation. It is still possible to get good results, but larger IP TEM inversions require more expertise or at least some trial and error attempts, to pull off successfully. We hope to be able to make this easier with new features as we learn more about how such inversions should be done.