Monthly Meeting (January 2021)

Date: January 26, 2021
Time: 2:30 pm - 3:42 pm
Location: Park Seismic Office
Attendees:
In the office: Choon Park
Via Skype: Jin Park, Josefin Starkhammar, and Nils Ryden

1. Monthly Meeting Schedule

We decided to keep our monthly meeting on every last Tuesday in each month but will push the starting time by 15minutes to 2:30 pm (8:30 pm in Sweden) from now on.

2. Project Contract Amendment needed

According to Jason Richter at MnDOT the project contract needs to be amended at least for the project schedule. The project supposed to last for 2 years, but it is less than 2 years listed in the contract. The end date on the contract (October 31, 2021) was a mistake from the beginning. We will plan to submit the amendment form in August.

a. Contract Schedule: Considering the final delivery and demonstration expected by MnDOT to occur during the NRRA conference in June 2022 we should officially keep our project till the end of June 2022. However, we'd better try to finish up most of our work by the end of this year as we originally planned to finish the project in two years.

b. Contract Budget: We will evaluate the need to reallocate the travel budget prepared for the joint field test (JFT) into the personnel cost. Then, we will plan to submit the budget amendment in August when submitting the contract schedule amendment.

3. Joint Field Test (JFT) Plan

a. Choon went over two power-point files to ask questions and discuss future technical approaches in the upcoming JFT and further development in the hardware system.

b. For the file #1 that Team Sweden prepared about the two sets of field TDMS data collected during their field test of the newly constructed 16-channel 1D array in early January, Choon asked questions about the power source for the array, new impact source, trigger levels, dynamic range of the AD converter, the relationship between impact strength and the moving speed, and triggering levels.

c. For the file #2 that Choon sent to Team Sweden about the analysis of the two TDMS files previously collected, Choon discussed and asked questions about DC bias of the new 16-channel array and AD converter, triggering mechanism, necessity of calibration at the beginning of a new survey, automatic evaluation of the velocity (Vs) and thickness (H) by the ParkSEIS-HMA software. He demonstrated how ParkSEIS-HMA works if everything operates in a correct way by using a TDMS file.

Agreed:

- Keep performing all tasks including the administrative one (#1-#3) in the same way everyone did during the previous year until the amended contract is submitted.
- Team Sweden will perform the JFT within the next few weeks whenever weather permits.