

Detailed Work Plan

DAY1 (DAY2 equal to DAY1 except different sand depth), DAY3 = additional tests

SD = sand depth, SD05 = 5 cm, SD10 = 10 cm, SD15 = 15 cm, SD20 = 20 cm

WS = wind speed, WS0 = 0 m/s, WS5 = 5 m/s

- Evening: Preparation of the sand for sand depth (SD) 1, injection of gases to the chamber. Installation of chamber collars. Over-night measurement of chamber leaking (letting the chamber concentration go to steady state). In the middle of the night, fans start and/or chamber is replaced.
- 07:00-07:15 Removal of chambers.
- 7:15-7:30 Injection of gases
- 07:30-08:45 Breakfast, stabilization of the calibration tank.
- 08:45-10:15: SD20, WS0: Chamber(s) : 3 replicate measurements 15min measurement + 15min stabilization = 1,5h.
- 10:15-11:45 SD20, WS5: Chamber (s): 3 replicate measurements 15min measurement + 15min stabilization = 1,5h.
- 11:45-12:15 Lunch
- 12:15-13:45 SD20, WS0: Chamber(s) : 3 replicate measurements 15min measurement + 15min stabilization = 1,5h.
- 13:45-14:00 Coffee break
- 14:15-15:45 SD20, WS5: Chamber (s): 3 replicate measurements 15min measurement + 15min stabilization = 1,5h.
- 15:45-17:15 SD20, WS?/ADDITIONAL TESTS: Chamber (s): 3 replicate measurements 15min stabilization + 15min measurement = 1,5h. If someone wants to sample chamber headspace with syringes to be analyzed at their own institutes by GC, this can be done here.
- 17:15-18 Dinner
- 18:00-19:45 Changing sand bed, preparations for next day
- 20:00-22:00 Social activities / sauna
- Evening: Preparation of the sand for sand depth (SD), injection of gases to the chamber. Over-night measurement of chamber leaking (letting the chamber concentration go to steady state). In the middle of the night, fans start and/or chamber is replaced.