



MetNH₃ Ambient Ammonia Metrology Field intercomparison 2016



NERC-CEH in collaboration with NPL and MetNH₃ would like to invite interested organisations & SMEs to apply to take part in an intercomparison of ammonia measurement technologies.

The intercomparison will be undertaken at two sites and participation in both experiments is possible.

Easter Bush: NH₃ on-line & off-line metrology intercomparison. Contact: Dr Marsailidh Twigg (sail@ceh.ac.uk)

Easter Bush is located on a managed grassland local to the NERC-CEH Edinburgh station. A previous ammonia intercomparison was hosted here in 2008 (Bobrutski et al. 2009). During the experiment urea will be applied to the field. Both concentration and flux measurement intercomparisons will be undertaken & calibration methods can be tested.

15 th - 21 st Aug 2016	Setup and comparison with portable standards
22 nd Aug - 2 nd Sept 2016	Concentration measurements before/after urea application on field
2 nd - 16 th Sept 2016	Instruments with flux capability switch measurement modes



Whim Bog: Off-line ammonia metrology intercomparison. Contact: Miss Sim Tang (yst@ceh.ac.uk)

Whim Bog is an experimental manipulation site with a synthetic NH₃ line source, close to Auchencorth Moss UK Supersite. Passive Samplers will be exposed downwind, in parallel with routine measurements. Sampling protocol will be developed between participants in early 2016.

Aug – Sept 2016	Intercomparison periods
Oct -Nov 2016	Chemical analysis
Nov 2016 – Feb 2017	Collation and report



***** NERC CEH will provide logistical support and office space during the intercomparison, however all participants need to cover their own expenses, including T&S. This is an open application and we will accommodate as many participants as we can. If applications exceed the site capacity, priority will be given to SMEs or organisations collaborating with an SME *****



**To participate please contact us by Dec 31st 2015.
Participation will be confirmed by Jan 31st 2016.**

We look forward to hearing from you!

