**BAG *in situ* proposal submission sheet (2 page limit) Please save as <main investigator surname>\_<date of the beamtime> (text in red can be deleted)**

**Title: …………………………………………………………..**

**Investigator(s): ……………………………………………………**

**Contact email(s): …………………………………………………………………**

**Name and email of the investigator/s who will attend the experiment if successful: ……………………………………………………………………………………………………………………………………..**

|  |  |
| --- | --- |
| Proposal Background* Describe the background to your research area
* Why is this research important?
* How does your current programme further research in this area?
* What are the specific scientific questions that these experiments are going to answer?
 | Why do you need *in situ* XAFS for this study?* What information do you expect to obtain from XAFS?
* We recommend that you contact members of the BAG team to discuss your proposal before submission.
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| What do you already know about your materials?* What characterisation methods have you used?
* What does this characterisation show?
 | What is the current XAFS data analysis resource in your group?* Who will analyse your data?
* Would you like help in analysing your data?
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|  |
| Links (if any) to the UK Catalysis Hub. | Previous use of the BAG allocation* Have used the BAG before? Please describe previous experiments and any publication(s) resulting from BAG allocations.
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Please provide a detailed experimental plan, listing all the measurements in order of priority. All the intended measurements must be included in this table, in the order of priority, **including measurement of reference samples**. Only those included in this table will be run.

**Please use one line per sample, even if it is the same sample under different conditions (or absorption edges).**

|  |  |
| --- | --- |
| Composition of your samples |  |
| Edge(s) of interest |  |
| Wt% of each element of interest |  |
| Acquisition mode (Transmission or Fluorescence) |  |
| Sample environment to be used. (Please check if the environment is compatible with your experiments, particularly if the window material and thickness are suitable for the x-ray edge energy, feel free to contact a member of the BAG team to discuss your experiment.) |  |
| Gases needed for the experiment |  |
| Flow rate of the gases |  |
| List of samples as per priority | 1.2.3.4. |
| Estimate of total time needed for the experiments (and time per sample) |  |