**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. |
| 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? |
|  |
| 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. |

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) |  |