**Option3-in-situ environment uploaded template ( 4 page A4 limit)**

**In-situ sample environment name：**

1. **Science case**

* motivation
* Expected Impact on related research fields
* Innovation

1. **Design of In-situ sample environment**
   1. Features of In-situ environment
   2. Application in what kind of X-ray method
   3. Design of In-situ sample environment ( including weight and size information. Design schematic suggested)
   4. Positioning requirement（translation, rotation requirement）
   5. Equipment control（based on EPICS）
   6. Requirement for utilities (cooling water, compressed gas, electricity， cryogenic，lifting capability and others)
   7. others

**Reference**