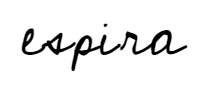
**JOB HOLDER:** **Andrew Espira**

**SUPERVISOR: Dr Daniel Masiga**

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| **ITEM** | **OBJECTIVE** | **ACTIVITIES** | **OUTPUT** | **TIMELINES** |
| 1 | Keeping HPC (High Performance Computer) infrastructure and core data management and modelling resources updated and functioning | * Technical support at least xxx number of systems * Design at least xx number of systems * Deployment of artifacts for applications in the cloud and on premise * System engineering - build new pipelines * Optimization existing and news HPC clusters to improve throughput * Software development and software engineering for in-house applications to support data requirements * Provide technical advice to other on development of other software, e.g. ODK, CKAN, DMP, Common Ontologies, | * + Hpc monitoring and alerting platforms   + Hpc user identity and management system   + Automated software provisioning, configuration management and application deployment   + Software documentation   - System documentation |  |
| 2 | Implement icipe’s informatics infrastructure to support data analysis and institutes data needs. | * Data curation and * Analysis for existing data and generated data with guidelines from the RDMA policy * Building at least 5 pipes to support seamless retrieval, curation, analyse and store results from big data on the HPC * Maintaining REDCap for efficient data management * Support at least 10 users/projects using REDCap software * data management for big data platforms and data pipelines to support easy data access * Design data pipelines to support data fusion from hpc to the general data workflow | * + Data documentation for hpc and data platforms   + Sample management documentation |  |
| 3 | Address outreach, development and sustainability through research and innovation | * Propose at least 3 innovative ideas to support data management * Develop user manual for REDPCap * Develop at least 3 training manual for relevant course in data management and HPC * Engage in at least 3 training to support data management and systems use: DMMG, HPC, Interns training * XXX * XXX * XXX * Train in at least 2 course in data management/ solution architect/HPC | * Training modules and tutorials |  |
| 4 | Provide high quality informatics support for icipe projects and larger research community partner institutions | * Engage at least 2 H3Africa workgroups for work tools and software * Participate in at least 3 H3Bionet training courses for technical support |  |  |
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Staff: Signature……Andrew Espira ……………………………



Supervisor Signature…………………………………………………