**PROJECT SUMMARY**

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| --- | --- | --- |
| **Current Status (October 2022)** | (172.5/350)100 | 49.29% |
| **Target status (November 2022)** | ( /490)100 |  |
| Implementation period | Months | 8 |
| Time elapse | (1/8)100 | 12.5% |
| Reporting Period | Month, Year | October 2022 |

**WORK PLAN ACHIEVEMENT SUMMARY**

| TASKS | ACTIVITIES | ACTION REQUIRED | DATES | RATING | SCORE | DELIVERABLE | ROLES |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Task 1: Project Inception and Planning | Inception meeting with the client. | Conducting and meeting with the client or appointed representative to determine the scope of work and objectives and comments on submitted technical proposal. |  | 10 | 10 | Inception meeting with client | Derrick |
| Technical review of MISLAND 1 and new product requirements for MISALND phase 2 | Review scope and objectives.  Research proposed solutions, improvements and risks for development of MISLAND 2.  Set development milestones to key deliverables and deadlines  Propose roles, responsibilities for each role, reporting structure and performance evaluation. |  | 10 | 10 | System architecture, Technical Implementation roadmap |  |
| MISLAND service development planning | Review workback schedule proposed by development team.  Create task Map  Create time schedule |  | 10 | 10 | Task map (Work breakdown schedule)  Time schedule (Gantt)  Set up communication and development tools (Githab, Slack, Sentry...) |  |
| Task 2: Data pre-processing and Analysis | Data acquisition, curating and archiving | Download of high-resolution datasets for additional 49 countries in Africa  Preparation of products for vegetation SDG indicator and sub-indicators  Preparation of input data and products for Forest loss, forest carbon emission, erosion (coastal, wind and water), desertification indicators |  | 10 | 7.5 | Improvement of data download GEE application and scripts  Data upload to MISLAND server | Derrick |
| Data analysis and pre-processing |  | 10 | 7.5 | Pre-processed datasets  Data preparation progress  Data preparation manual | Derrick |
| Validation of products prepared by client and stakeholders | Share procedure and products with client and stakeholders.  Integration of feedback on data and products |  | 10 | 5 | Share Link of data and products generated | Derrick |
| Task 3: Design and development of continental MISLAND DSS Application | UI/UX Design of application and products | Research and information gathering by design team |  | 10 | 7.5 | Design Sprint Meetings |  |
| Development of site map, wireframes and mock-ups for MISLAND DSS |  | 10 | 7.5 | High fidelity Mock-ups:   * Landing page UI design * Dashboard UI design * Geo-services UI redesign * Mobile app UI design |  |
| Design Sprint & Engagement with client |  | 10 | 7.5 | Meeting with client communication teem.  Share designs with client  Client feedback on proposed design |  |
| Integration of client feedback on shared design |  | 10 | 7.5 | Updated UI designs |  |
| Web content creation and assembly |  | 10 | 7.5 | Web content text and graphics included in Mock-up |  |
| Task 4: Web Application development for MISLAND DSS | Server set-up, virtualization, and design.  Set up application monitoring tools | Webserver concurrency tuning  Deploy docker swarm and load balancing  Server and container monitoring  Error tracking and performance monitoring |  | 10 | 7.5 | Concurrent access with improved processing time  Server and Container monitoring and alerts |  |
| Back-end Development  (Dashboard) | Modularize backend |  | 10 | 10 | Restructured back-end into core, user-management, data I/O models, and analysis models for easier extensibility and maintenance |  |
| Development of fast REST APIs |  | 10 | 10 | API Links and Documentation |  |
| Set up GeoServer tiling engine |  | 10 | 10 | GeoServer access link |  |
| Set up pre-computation processing pipelines |  | 10 | 5 | MISLAND precomputed layers and statistics database |  |
| Front-end development (Dashboard and GeoService) | Implementation of responsive pages for Landing page and site navigation |  | 10 | 5 | MISLAND Africa landing page |  |
| Implementation of Single-page application, user selections, map panel, statistics panel, interactive legend, map layouts, exports and reports |  | 10 | 7.5 | Dashboard SPA  Revamped Geoservices SPA |  |
| Mobile application development | Implementation of responsive Main layout, components & routes for the mobile UI |  | 10 | 0 | Interactive mobile app layout and routes |  |
| Integration of MISLAND Services (Forest, Vegetation loss and gain hotspots) for mobile application |  | 10 | 0 | Interactive mobile maps and applications |  |
| QGIS Plugin development | Database design and implementation to include other African countries and datasets. |  | 10 | 0 | MISLAND Qgis plugin |  |
| Compilation of additional plugin modules |  | 10 | 0 |  |
| Task 5: Deployment, Testing, Monitoring and Updating of MISLAND DSS | Deployment of MISLAND DSS and tools to production server at OSS level | Agile deployment of newly developed MISLAND DSS applications and products |  | 10 | 5 | Shared access link to MISLAND DSS on production |  |
| Test deployed Services and Modules | Develop test cases and fully review deployed services on production |  | 10 | 0 | Test case  Test report |  |
| Task 6: Compilation of Mapographics | Design of Mapographic Layouts, colours, typography and charts | Brainstorming with design team, Sample maps and statistics |  | 10 | 7.5 |  | Xavier |
| Cartographic design and preparation of Statistics | Download and preparation of MISLAND products at pre-selected regions,  Preparation of statistics  Preparation of summary texts |  | 10 | 5 | Maps and Statistics for Key Indicators | Xavier |
| Compilation of Mapo graphics | Compile Designed Mapographic content into one document with maps, statistics and summary |  | 10 | 0 | Final MISLAND Mapographics | Xavier |
| Task 7: Awareness and Capacity building/Training | Create promotional videos/Animations | Conceptualization and scripting  Video Creation and editing  Creation of Thematic videos and teasers |  | 10 | 2.5 | MISLAND promotional videos | Derrick |
| Development of training Materials (user manuals and presentations) | Compilation of End-user Manual / Video Tutorials |  | 10 | 5 | Online User guide  Video tutorials | Derrick |
| Compilation of administration Manual |  | 10 | 5 | System documentation  System Administration guide | Derrick |
| System administration training | Conduct technical trainings for system administration staff |  | 10 | 0 | Training report  Recorded Sessions | Derrick |
| End User Training | Conduct end-user trainings for newly developed MISLAND DSS |  | 10 | 0 | Training report  Recorded Sessions | Derrick |
| Task 7: Final project Handover, Reporting, and Client Support | Support and maintenance | Set up issue/bug tracking protocols, training of OSS staff |  | 10 | 0 | Bug / issue tracking,  Email communication with client |  |
| Final Reporting | Draft final report to submit to the client  Compile Final report with client feedback |  | 10 | 0 | Project Final Report | Anthony |
| Project handover - Final/Wrap-up meeting with the OSS management and submission of the Final Report | Transfer of tools developed, documentation, reports to the client.  Final wrap-up meeting with OSS |  | 10 | 0 | Submission of all project deliverables and documents.  Minutes of Wrap-up meeting | Vivianne |
| TOTAL | | |  | **350** | **172.5** |  |  |