

HISP UGANDA



10 Years At A Glance

HERE'S TO THE NEXT DECADE OF MAKING
A DIFFERENCE TOGETHER!

HISP Uganda: A look at the past ten years.

www.hispuganda.org

Theme:

Celebrating

a decade of impactful

work through building

sustainable information

systems for action.

HISP Uganda: A look at the past ten years.

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Founder

The year 2023 marks a decade since the two of us first came together to turn our shared vision into a reality. The journey has been nothing short of extraordinary, filled with moments of triumph, learning, and growth. When we founded the Health Information Systems Program (HISP) Uganda, we aimed to support the strengthening of information systems in developing countries, and I am proud that we have not only met but exceeded those expectations. Looking back, I am reminded of the countless hours of hard work, the sleepless nights, and the collective dedication that brought us to this point. We faced skepticism and uncertainty, but we persevered, fueled by the belief that our cause was worth every sacrifice. What makes our organization special is not just the goals we have achieved, but the community and family built.

Each member as well as supporter has played a crucial role in shaping HISP Uganda's identity

and impact. It is heart-warming to see the diverse talents and perspectives that have enriched our work and contributed to our success. As we celebrate this milestone, we are committed to renewing our values that have guided us from the beginning. We remain steadfast in our dedication to support the use of sustainable and integrated information systems for action, and continue to adapt and innovate in the face of new challenges.

To everyone who has been part of this incredible journey, thank you for your unwavering support and commitment.

To the next 10 years of making a positive difference in the world!

Fulgentius Baryarama, PhD



Founder

Reflecting on a journey we embarked on a decade ago, I am filled with a profound sense of gratitude and pride. When we founded HISP Uganda, our vision was ambitious, and our dreams were bold. We dared to imagine a world where support for the use of sustainable and integrated information systems for action was not just a goal but a reality. In the early years, our resilience and commitment were tested. Yet, through collective determination, a dedicated and passionate team, and unwavering belief in our cause, we overcame hurdles and laid the foundation for what HISP Uganda has become today.

Our journey has been marked by milestones, achievements, and, most importantly, the positive impact we have had in the local, national, and regional information systems spaces. I would like to express my deepest appreciation to each and every member who has been part of this splendid journey. Your dedication, hard work, trust and passion have been the driving force behind our success. We are encouraged to see how our shared vision has inspired not only us, but also countless others who joined our cause along the way.

As we celebrate this milestone, we are not only looking back at our accomplishments but also look forward to the challenges and opportunities that lie ahead. Our work is far from over, and there is a lot to be accomplished. I am confident that, with the same spirit of collaboration and innovation that brought us this far, HISP Uganda will strive harder to make an even greater impact in the years to come. Thank you for a remarkable 10 years. Here's to the next decade of making a difference together!

Prosper Behumbiize, PhD

HOW it all BEGAN



HISP Uganda began as a conversation, one among many that would later grow into an icon that you see today.

“...our journey will be one of dedication and resilience...” echoed Prosper in one of the meeting rooms. A room earlier-on acting as a living space at Dr. Baryarama’s residence. Dr. FB, as the team fondly refers to him, graciously converted his home living space into a meeting room. Here, brainstorming sessions turned into ideas on how collectively a few individuals could make positive contributions to the health care system in Uganda and abroad. Progressively, the living space transitioned to several meeting sessions at the Makerere University canteen, where more like-minded individuals joined the cause; one that was vague, risky and seemed impossible at the time.

“...we were all working, had stable jobs and families. The idea to leave our workplaces and join a startup was scary, unpredictable and unserious,” recounts one of the members

who joined the team later.

The sessions at the University canteen later gave birth to a rather impactful project, SMGL funded by MUJHU and hosted at Makerere School of Public Health (MakSPH). Call it a seed project, yet fundamentally important in terms of outcome as the first HISP Uganda team worked with health facilities in Kamwenge District (in western Uganda) to provide real time data for health care providers to take life-saving actions. At the time, there were a few volunteers at HISP Uganda, who gave their time and effort to make a difference. This selflessness, dedication and zeal to make a real impact constituted the bedrock on which HISP Uganda stands today, and perhaps will endure for generations to come.



About HISP Uganda

The Health Information Systems Program (HISP) Uganda is a company limited by a guarantor, registered in Uganda, with the US Federal government and the University of Oslo for contracts and grants. It comprises a dedicated team of informaticians, technologists, and public health professionals and draws upon the global HISP network community for specific expertise. HISP Uganda subscribes to and supports the broader HISP agenda of creating “networks of action,” . This seeks to strengthen collaborative action by learning and sharing information systems, including software development, customization, installation, training, and implementation experiences, in a collaborative network. HISP Uganda collaborates with ministries, higher institutions of learning, NGOs, and implementing and development partners to support strengthening information systems and data utilization in sectors such as health, environment, education, and governance.





Vision

Sustainable Information Systems for Action.

Mission Statement

To develop, implement, and promote the use of sustainable and integrated information systems for action in Uganda and in the region.

Goal

To deliver quality information systems using open-source solutions to improve planning, decision-making, and service delivery.

Core Values

Innovation and creativity: We are dynamic and strive to generate new ideas and techniques in our work;

Teamwork: Our organizational culture supports and encourages constructive two-way dialogue and a commitment to working together as part of the global HISP community;

Transparency and Accountability: Our guiding principles are honesty, responsibility and integrity;

Efficiency and effectiveness: We believe in timely delivery of quality services;

Recognition and reward: We value, appreciate and reward our staff.

Our Core Services

HISP Uganda is organized, positioned, and trained to support the development and implementation of information systems using current and solid software development lifecycles. Our expertise results from more than ten years of dedicated work in the industry. HISP Uganda has multidisciplinary staff with expertise in information technology, software development, monitoring, evaluation and learning, training, project planning, statistics, public health, epidemiology, mathematical modeling, and financial management.

We have a memorandum of understanding with the Ministry of Health Uganda, Makerere University School of Public Health (MakSPH), and the University of Oslo, enabling extensive collaboration and sub-contractual works on several projects, including NORAD, UNICEF, GAVI, WHO, Global Fund, and USG-funded projects.

HISP Uganda works collaboratively and in partnership with various organizations to provide technical expertise in the following essential services:

System Development and Integration:

HISP Uganda is a leader in System Development and Integration, specializing in DHIS2 applications. We excel in crafting tailored information systems that seamlessly integrate DHIS2 solutions. Our team, adept in DHIS2 app development, focuses on creating innovative, interoperable, and scalable systems

Projects Management & Support:

In the sphere of Data Management, HISP Uganda is a trailblazer, providing end-to-end solutions to harness the power of data for organizational success. We specialize in the meticulous organization, storage, processing, and analysis of data across diverse domains

Action Research & Innovation:

In the realm of Action Research, HISP Uganda is a catalyst for transformative insights and evidence-based decision-making. Our expertise lies in designing, conducting, and analyzing action research initiatives that drive positive change across various sectors.

Capacity Building:

In the field of Capacity Building, HISP Uganda stands as a pioneer, dedicated to enhancing the skills and knowledge of individuals and organizations. We offer comprehensive training programs tailored to diverse sectors, including health, education, and general data management.

Our Approaches

To provide the best services to our clients, we tackle our services by following the best practices and approaches:

1.

Mission Alignment and Social Impact:

HISP Uganda always sets and defines clear objectives that align strategies with the mission of improving health information systems and public health outcomes in Uganda and beyond to contribute to social impacts by maximizing positive outcomes.

2.

Stakeholder Engagement and Partnerships:

We collaborate with governments, non-governmental organizations (NGOs), community-based organizations (CBOs), and international partners to:-

Strengthen relationships with government bodies and non-governmental organizations for broader outreach and impact.

Engage local communities to understand their needs and tailor solutions accordingly.

Form alliances with global health organizations and IT companies for knowledge exchange and support.

3.

Innovation and Technology Adoption:

HISP Uganda has provided cutting-edge DHIS2 solutions, staying abreast of the latest advancements in health informatics and adapting them to local contexts by customizing the solutions to suit unique challenges in Uganda and beyond.

4.

Capacity Building and Education:

Training Programs:
Establish training programs for local health workers and IT professionals to enhance skills in health informatics.

Education Partnerships:
Collaborate with educational institutions to integrate health informatics into their curriculum.

6.

Quality and Standards Compliance:

HISP Uganda adheres to standards and ensures compliance with national and international health informatics standards by implementing rigorous quality control processes for all provided solutions.

5.

Research and Development:

We continuously research to understand evolving health information needs and develop relevant IT solutions. HISP Uganda has collaborated with universities for research projects and to stay at the forefront of health informatics.

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7.

Legal and Ethical Compliance:

HISP Uganda upholds the highest data protection and patient privacy standards and commits to ethical practices in all operations and collaborations.

By focusing on these areas, HISP Uganda can effectively navigate the challenges of operating as a not-for-profit IT company in the health sector, ensuring both sustainability and a significant positive impact on public health in Uganda.

Stakeholders

Partners with MOUs: these are partners that we have a memorandum of understanding with and we provide technical assistance to them as and when required. These include; University of Oslo and Ministry of Health.

Development partners (funders) - Partners who provide funds for the majority of our operations through short-term, mid-term and long-term arrangements. These include mainly Global Fund, GAVI, CDC, UNICEF and WHO through the University of Oslo. In addition HISP Uganda, has also directly sourced funding from WHO, UNICEF, UNAIDS, EU and CDC.

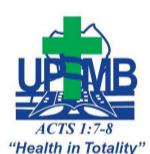
Collaborating partners - Partners that jointly implement programs through principal recipient and sub recipient arrangements. These include; Monitoring and Evaluation Technical Support, Infectious Diseases Institute, Mildmay and Baylor-Uganda, HISP groups (HISP TZ, HISP RW, HISP CWA and HISP SA), IDRC Canada, Logical Outcomes-Canada and Save The Children.

Uganda Government agencies - These are government agencies that we support through collaborative and contractual arrangements with financing from funders. These include; Ministry of Health, Ministry of Education and Sports, National Planning Authority, Ministry of Finance, Planning and Economic Development
Foreign government agencies - These are agencies that we support through collaborative and contractual arrangements with financing from funders. These include; Ministry of Education of Eswatini, Ministries of Health (Rwanda, Mauritius, Jamaica, South Sudan, Sudan, Botswana, Zambia, Malawi, Ethiopia, Kenya, Tanzania, Madagascar).

Other private partners - HISP Uganda has also sourced short funding from other partners. These include; UPMB, ICYD, DDI, PACE, PSI, ActionAid, EJAF, MSH, and USAID/SNV Rwanda



Organizations and Institutions HISP Uganda has worked with since 2013.



Institutional growth:



2013
5 Staff

2018
20 Staff

2023
30 Staff

Our Contributions since 2013



November 3rd, 2013
HISP Uganda registered as a Non-Profit Organization



Joint mission with Tanzania to support set up DHIS2 for MoH South Sudan

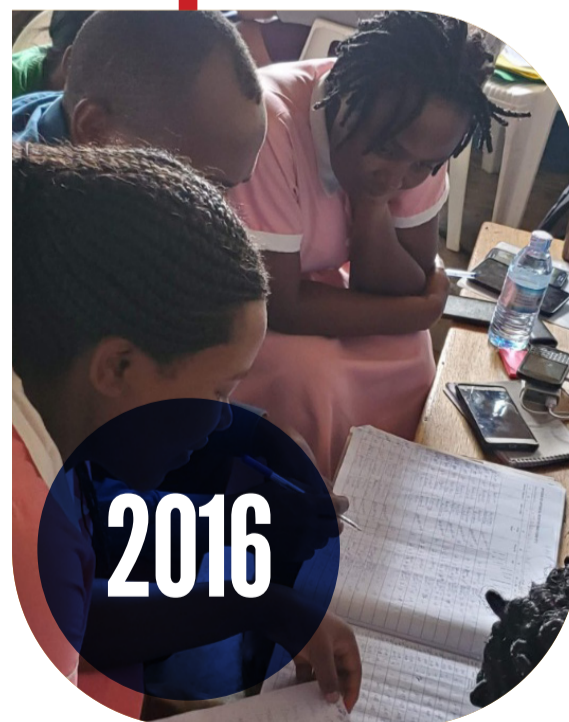
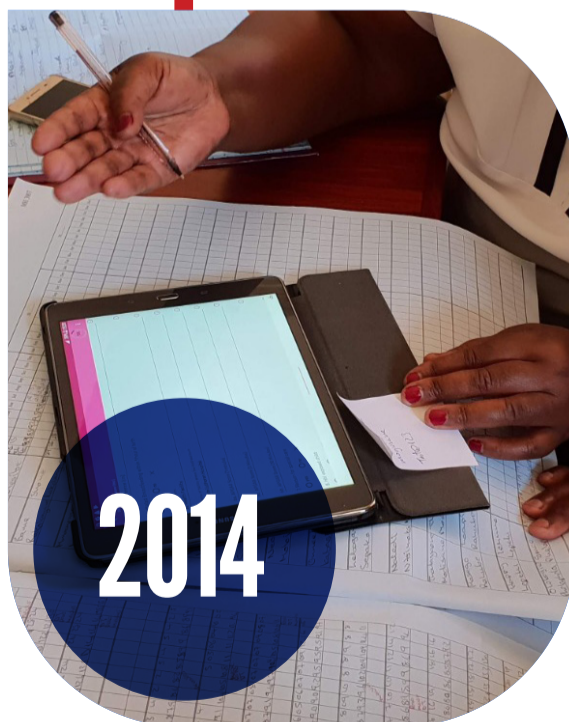
Jamaica Ministry of Health - HIV/ AID Program - DHIS2 tracker configuration and, capacity building



Five-year MOU with University of Oslo, Norway

HISP expands to supporting countries beyond Uganda - (Zambia, Rwanda)

First regional Academy with 150+ participants





**DHIS2 for Education
- Uganda**



**Five-Year MOU with Mak-SPH
DHIS2 for Education - Eswatini
School Based Surveillance -
COVID-19**



**Oct 2023 - moved HISP
Office to Ministers
Village, Ntinda**



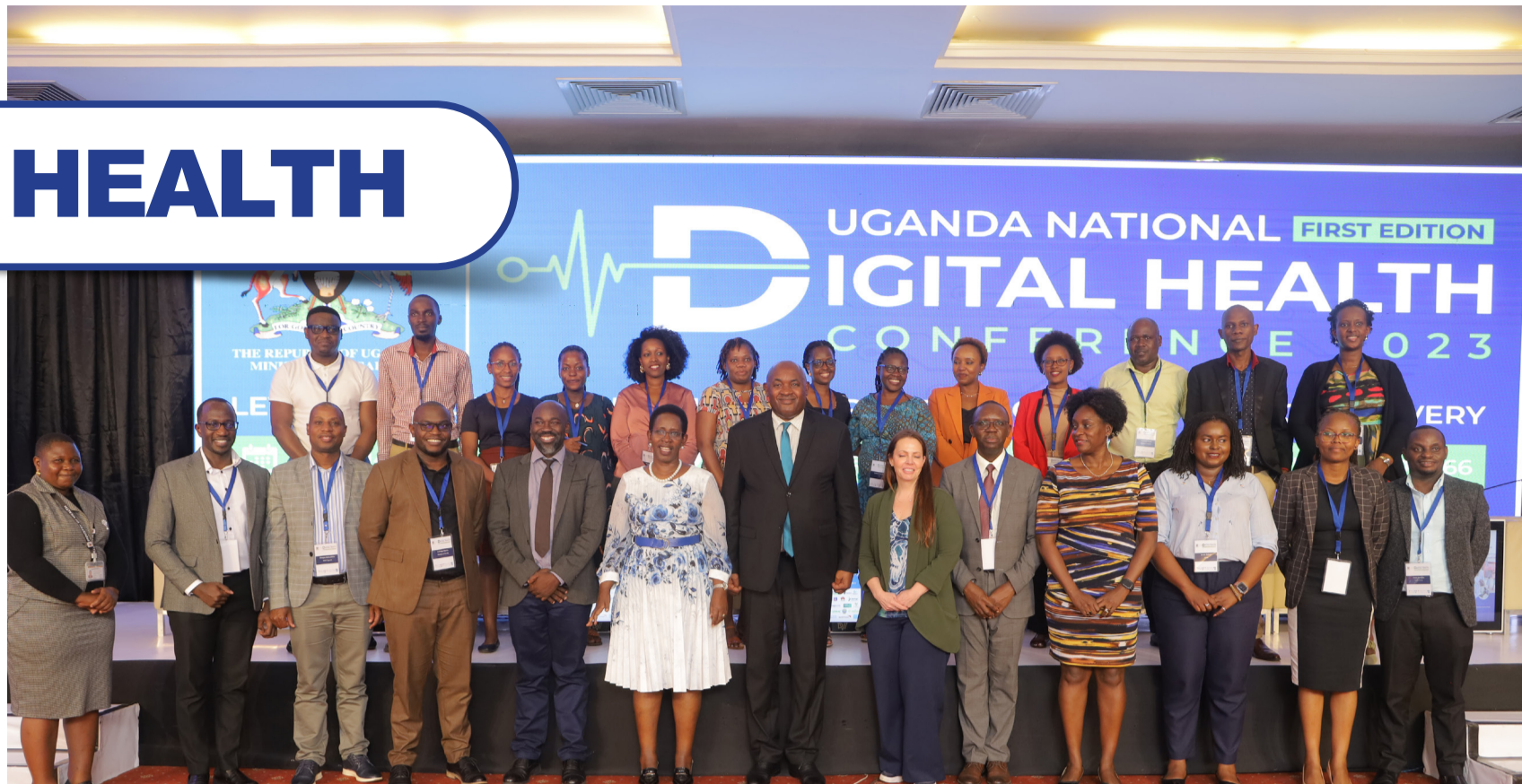
**WASH Tracker
implementation with
Rwanda USUKU Wachu
USAID Sanitation funded
project**

**COVID-19 Surveillance
and Port of Entry**

**Five-Year MOU with
University of Oslo**



HEALTH



Routine Health Data (HMIS)

Improved Routine Health data reporting for planning, health service delivery and monitoring.

1. HMIS Data collection Tools review and development.
2. Design and customization of data reporting system using DHIS2
3. ICT Infrastructure support.
4. Integration of data systems.
5. Knowledge transfer on systems for data reporting, service delivery and monitoring of health interventions.

Surveillance Disease Surveillance & Response

Improved Routine disease surveillance and response.

1. Platform for Screening and detection at Points of Entry.
 2. Platform for TB and Leprosy Tracking.
 3. Knowledge transfer on systems for disease surveillance and response.
- Improved outbreak response and management.
1. Platform for COVID-19 vaccination eRegistry, surveillance repository, vaccination certificates.
 2. Platform for Outbreak Management (EBOLA VHF Signal management and Emergency Medical Service, Case Management, Integration (GoDATA and Lab) for Contact Tracing and Testing, and Discharge Certificates, Self-declaration at POEs)
 3. Knowledge transfer on systems for outbreak response and management.

Vaccine Delivery and Management

Improved vaccine delivery and management.

1. Platforms for real-time reporting and vaccination campaigns (MR, Polio, Yellow Fever)
2. Platform for Vaccines Data Dashboards for Managers.
3. Knowledge transfer on systems and processes for vaccine delivery and management.

OVC Support Service

Improved tracking of the OVC services.

1. Platform for OVC service management (vulnerability assessment, service monitoring).
2. Knowledge transfer on systems and processes for vaccine delivery and management.



EDUCATION



A DigitalGlobal Public Good for
Education Information Management



Improved routine data reporting for pre-primary and primary education

Provided Equipment (desktops, printers, laptops, Internet, UPS) to support data capture and reporting (10 Sites from 4 Districts)

Knowledge transfer for districts and schools on data capture, reporting, analysis, interpretation, and use

- 1 Training
- 2 Academies and conferences

Support the development of the Termly reporting tools

Improved disease surveillance, detection, and response in schools

Improved performance of learners in Karamoja region (UG)

- 1 Platform for reporting school feeding data
- 2 Knowledge transfer on the school feeding data system.

Leveraging insights gained from the successful digitalization of the DHIS2 for electronic Integrated Disease Surveillance and Response (eIDSR) within the health sector, HISP Uganda and Save the Children Uganda joined forces with the ministries of Health and Education. Their collaborative efforts led to the implementation of DHIS2 for school-based surveillance (SBS) in two districts, an initiative that eventually expanded nationwide. The ministries, in conjunction with various partners in a school health working group, ensured a seamless process of continuous monitoring and surveillance within schools.

In response to the ongoing COVID-19 pandemic, schools undertook daily screenings for symptoms among students, teachers, and visitors. Individuals displaying symptoms were promptly referred for appropriate care, and reports were efficiently transmitted via SMS to mTrac 6767. The collected data was meticulously tracked through the DHIS2 for Education SBS dashboard, seamlessly integrated with the Ministry of Health eIDSR system. District biostatisticians played a crucial role in facilitating training and fostering collaboration between the health and education sectors.

Following the COVID-19 outbreak, there emerged Ebola Virus Disease outbreak that affected schools in three districts. This unfortunate event heightened awareness regarding the imperative need for robust surveillance mechanisms within educational institutions. Subsequently, in the aftermath of a mumps outbreak in schools in early 2023, consensus was reached to pivot towards a comprehensive reporting approach for school health-based surveillance.

Within the framework of the school health task force, HISP Uganda contributed to the development of tools tailored for collecting disease-related information from schools. These tools encompassed tally sheets for screening learners for COVID-19 symptoms, a register for recording symptomatic learners, and a succinct summary report facilitating the submission of SMS reports to 6767.

With regular interaction and engagement with District Inspectors of Schools, District Biostatisticians and District Surveillance Focal Persons, HISP Uganda was key in building capacity of district teams in management of reporters from schools, reporting and monitoring numbers being reported on from schools. These district teams were then able to build the reporting capacity of schools.

HISP Uganda played a pivotal role in the customization of a dashboard accessible to the Ministry of Health, Ministry of Education and Sports and partners. This dashboard, a collaborative effort with partners from both the health and education sectors, served as a centralized platform for monitoring the disease situation in schools.



Capacity Building for Information systems

Increased human resource capacity development for information systems.

1. Institutionalizing DHIS2 for Health informatics courses
2. In-country academies and specialized training
3. Supervision and hosted programs for Masters and PhD Students (UiO, MaKSPH)
4. Internships for Masters and PhD Students
5. Internal staff capacity and career development (PhD, Masters)



National Planning

Enhanced monitoring and evaluation of the implementation of National Development Plan III

1. Platform for the NDPIII M&E system
2. Support cross-sectoral linkages in health, education, finance, and Manifesto Monitoring
3. Knowledge transfer and e-Learning platform



Affordable and sustainable technologies at all levels:

We have used DHIS2 SMS functionality that was developed and tested by the DHIS2 Core team in collaboration with HISP Uganda, a functionality that saw the use of DHIS2 to the last mile - community with feature phones.

1. Saving Mothers Giving Life: Village Health Team (VHTs) Short Message Service (SMS) reporting in the districts (Kamwenge, Kyegegwa, Kyenjojo, Kagadi)
2. elimination of Mother to Child Transmission (eMTC) Short Message Service (SMS) reporting
3. Alerts/Signals
4. National electronic Intergrated Disease Surveillance and Response Systems (eIDSR)
5. School Based Surveillance (SBS)




Life Saving Decision Making by managers and policy makers.

We have supported government ministries, Departments and Agencies to plan and deliver quality health services to the populations through reporting of Health data through HMIS

The scale of DHIS2 aggregate reporting to now over 100 governments across the global as HISP Uganda served as a resource for requirements gathering, design discussions and documentation, testing, implementation support.

1. Uganda eHMIS
2. DHIS2 for Education
3. NDP III Web Based System

HISP Uganda global footprints.



- | | | | |
|------------|----------------|---------------|--------------|
| 1. Norway | 6. Malawi | 10. Eswatini | 14. Namibia |
| 2. Uganda | 7. Botswana | 11. Tanzania | 15. Gambia |
| 3. Rwanda | 8. Madagascar | 12. Kenya | 16. Zimbabwe |
| 4. Jamaica | 9. South Sudan | 13. Mauritius | 17. Somalia |
| 5. Zambia | | | 18. Ethiopia |



Outlook (next 10 years)

Dynamic stewardship that emphasizes transparency and accountability.

Organizational culture that is people centered and encourages a family spirit.

Innovation and creativity at the center of all engagements.

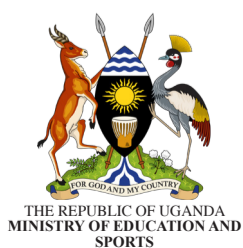
Broadening knowledge through action-oriented research and most importantly.

Foster collaborations and partnerships.



WORK TOGETHER, WIN TOGETHER

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