



UF Regional Report on International Activity: **Sub-Saharan Africa**

2018/19 Academic Year

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Value of Sponsored Activity in **Sub-Saharan Africa** (By College)

College/Unit	Total Funding (\$)	Percent of Dollars to Region	Number of Awards
Florida Museum of Natural History	995,663	2.3	2
Institute of Food and Agricultural Studies	27,130,707	61.3	23
Liberal Arts and Sciences	4,640,488	10.5	18
Medicine	3,337,031	7.5	3
Pharmacy	361,854	0.8	1
Public Health and Health Professions	975,440	2.2	2
Type One Centers	76,000	0.2	1
UF Graduate School	312,618	0.7	1
UF International Center	1,177,830	2.7	1
UF Office of Research	766,312	1.7	1
Veterinary Medicine	4,458,440	10.1	5
TOTAL	\$44,232,384	100%	58
TOTAL UF	\$295,042,068		594

- Sponsored activity tied to Sub-Saharan African countries is approximately 15% of the value and 9.8% of the total number of projects at UF.

Sponsored Activity in **Sub-Saharan Africa** – Principal Investigators (By College)

College/Unit	Principal Investigator: Project Title	Countries
Florida Museum of Natural History	Blackburn, David: "Collaborative Research: RUI: Survey and Analysis of the Angolan Herpetofauna"	Angola
	Reed, David: "Parasitic lice as markers of modern and archaic human introgression"	Africa, Czech Republic, Malaysia
Institute of Food and Agricultural Studies	Adesogan, Adegbola: "Feed the Future Innovation Lab for Livestock Systems"	Burkina Faso, Cambodia, Ethiopia, Mali, Nepal, Rwanda, Tanzania
	Adesogan, Adegbola: "EQUIP - Strengthening smallholder livestock systems for the future"	Burkina Faso, Ethiopia
	Adesogan, Adegbola: "Feed the Future Peste des Petits Ruminants Vaccine Associate Award"	Uganda
	Basille, Mathieu: "Do seabirds use infrasound to navigate the vast ocean?"	United Kingdom, Netherlands, South Africa

College/Unit	Principal Investigator: Project Title	Countries
	Branham, Marc: "Collaborative Research: Shedding light on firefly phylogenetic systematics and the evolution of their sexual signal types."	Vietnam, France, Italy, Solomon Islands, South Africa, Switzerland
	Dahl, Wendy: "Borlaug Higher Education for Agricultural Research and Development (BHEARD)-Malawi"	Malawi
	Dewdney, Megan: "Understanding the underlying biology of citrus black spot for improved disease management"	Australia, Cuba, South Africa
	Dubeux, Jose: "Utilization of Opuntia spp. as livestock feed in Africa"	Madagascar, Brazil, Ethiopia, Kenya, Morocco, Switzerland
	Dubeux, Jose: "Utilization of Opuntia Stricta as Livestock Feed in Madagascar"	Madagascar
	Havelaar, Arie: "The assessment and management of Risk from non-typhoidal salmonella and diarrheagenic Escherichia coli in Raw Dairy and Beef in Ethiopia (TARTARE)"	Ethiopia
	Havelaar, Arie: "Urban Food Markets in Africa - incentivizing food safety (Pull-Push Project) (CIGAR Research Program on Agriculture for Nutrition and Health)"	Burkina Faso, Ethiopia
	Hoogenboom, Gerrit: "CCAFS Regional Agricultural Forecasting Toolbox (CRAFT) Maintenance, Improvement, and Support"	Ghana
	Hoogenboom, Gerrit: "Tunisia DSSAT Training Workshop"	Germany, Tunisia
	Hoogenboom, Gerrit: "IITA Service Agreement"	Nigeria
	Hulcr, Jiri: "IRCN: Coordinating research on bark beetle - fungal interactions in South Africa and the U.S."	South Africa, Taiwan
	Koenig, Rosalie: "METSS II WRI (Writing for Results and Impacts) Support Agreement"	Ghana
	Liburd, Oscar: "Borlaug Higher Education for Agricultural Research and Development (BHEARD)-Ghana"	Ghana
	Liburd, Oscar: "Pesticide- and attractant-based control of Oriental fruit flies and related pests of small and large fruit crops"	Ghana
	Miller, Christine: "CAREER: Fighting Behavior, Performance, and the Evolution of Shape"	Australia, Kenya
	Paret, Mathews: "Intervention in training illiterate farmers in Niger and diagnostic support in Niger, Togo and Benin"	Niger, Benin, Togo
	Paret, Mathews: "Improving farmer livelihood in Cote d'Ivoire by hands-on trainings, diagnostics and regional network"	Niger, Benin, Togo
	Sargent, Steven: "Capacity Building on Produce Postharvest Management in Tanzania"	Tanzania
	Scheffers, Brett: "Life in the trees: vertical stratification of frogs in wet and dry rainforests of Madagascar"	Madagascar
Liberal Arts and Sciences	Brandt, Steven: "Taffere, Abebe Mengistu: Wenner Gren--Wadsworth Fellowship"	Ethiopia
	Chalfin, Brenda: "Next Generation Innovation in African Studies: Building Knowledge and Opportunity for Impact"	South Africa
	Chalfin, Brenda: "Next Generation Innovation in African Studies: Building Knowledge and Opportunity for Impact"	South Africa
	Child, Brian: "Community Development Support Programme"	Mozambique, South Africa, Zambia
	Cogburn, Megan: "Fulbright-Hays Doctoral Dissertation Research Abroad--Megan Cogburn: Pushing Institutional Deliveries: An Ethnography of Childbirth Care in Rural Tanzania"	Ethiopia, Ghana, Tanzania

College/Unit	Principal Investigator: Project Title	Countries
	McCarty, Christopher: "Doctoral Dissertation Research: Risk Perceptions as Potential Mediators of Environmental Toxicants Associated with Biomass Fuel Use"	Zambia
	McLaughlin, Fiona: "Documentation and Data Management Workshop to Address Language Endangerment in Multilingual Contexts"	Ghana, Netherlands, United Kingdom
	McLaughlin, Fiona: "Trans-Saharan Literacies: African Writing Traditions Within and Adjacent to the Sahara Desert"	Mali, Senegal Republic
	Mulligan, Connie: A biocultural investigation of epigenetics, gene expression and the intergenerational effects of stress in mothers and neonates	Democratic Republic of Congo
	Ostebo, Marit: "Collaboration Agreement between Norwegian Institute of International Affairs (NUPI) and the University of Florida for work related to "Developmentality and the anthropology of partnership""	Norway, Ethiopia
	Ravary, Riley: "FY17 Fulbright Hays DDRA: Governance in Transboundary Protected Areas: Analyzing Community Experiences at Mount Elgon National Park, Uganda"	Uganda
	Ryan, Sadie: "Shifting Malaria burdens in Malawi and Plague in Madagascar"	Madagascar, Malawi
	Sessa, Emily: "CAREER: Resolving a paradox of global botanical biodiversity: why is Africa the "odd man out?""	Belgium, Germany, Kenya, Namibia, Portugal, South Africa, Swaziland, Zambia
	Soares, Benjamin: "Islam and Africa in Global Context: A Programmatic Statement/Proposal"	Burkina Faso, Egypt, Ethiopia, France, Germany, Ghana, Italy, Kenya, Mali, Morocco, Netherlands, Nigeria, Qatar, Senegal Republic, South Africa, Sudan, United Arab Emirates, United Kingdom
	Southworth, Jane: "CNH-L: Land transactions and investments: Impacts on agricultural production, ecosystem services, and food-energy security."	Ethiopia
	Stanton, John: "Advances in Coupled Cluster Theory with Molecular Applications"	Gambia, Swaziland, Finland
	Villalon, Leonardo: "Work programme for 2017-2018 "Cities and Borders""	Senegal Republic, Burkina Faso, Chad, Mali, Mauritania, Niger
	Villalon, Leonardo: "Student Activism and Religious Movements in Sahelian Universities"	Senegal Republic, Burkina Faso, Chad, Mali, Mauritania, Niger
Medicine	Kwara, Awewura: "Pharmacokinetics of Anti-tuberculosis and Antiretroviral Drugs in Children"	Ghana
	Kwara, Awewura: "Pharmacokinetics of Anti-tuberculosis and Antiretroviral Drugs in Children"	Ghana
	Kwara, Awewura: "Training Program in Tuberculosis and HIV Research in Ghana D43"	Ghana

College/Unit	Principal Investigator: Project Title	Countries
Pharmacy	Odedina, Folakemi: "Florida Cancer ReTOOL Program for Underrepresented Minority Students"	Bahamas, Nigeria, United Kingdom
Public Health and Health Professions	Bisesi, Joseph: "Mosquito Net Fishing in Zambia"	Zambia
	Liang, Song: "Exposure Assessment of Campylobacter Infections in Rural Ethiopia (EXCAM)"	Ethiopia
Type One Centers	Loiselle, Bette: "Proposal for an environmental policy to create a stronger INDEFOR in Equatorial Guinea to be implemented under the Program, Improving the Quality of Life of Local People on the Equatoguinean Coast; INDEFOR strengthening."	Costa Rica, Equatorial Guinea
UF Graduate School	Frierson, Henry: "DSR Matching Support - Support for NSF Fellowship"	Swaziland, Brazil, France, Netherlands
UF International Center	Russo, Sandra: "Advancing women's participation in livestock vaccine value chains in Nepal, Uganda & Senegal"	Nepal, Senegal Republic, Uganda
UF Office of Research	Morris, John: "Cholera in Goma, DRC"	Democratic Republic of Congo
Veterinary Medicine	Dinglasan, Rhoel: "Process Development and Clinical Manufacturing of an Immuno-focused, Mosquito-based Pan-malaria transmission-blocking vaccine: AnAPN1 v. 2.0."	Cameroon, Japan
	Dinglasan, Rhoel: "RDT-undetectable Malaria in the DR Congo"	Democratic Republic of Congo
	Dinglasan, Rhoel: "Determinants of malaria transmission by submicroscopic gametocytemia"	Tanzania
	Dinglasan, Rhoel: "Saliva-based Electrochemical Paper Microfluidic Malaria Rapid Test for Early Detection and Exclusion in Point-of-Need (PON) and Clinical Settings"	Cameroon
	Dinglasan, Rhoel: "Identification of potent cross neutralizing Dengue antibodies using single-cell technology"	Ethiopia

UF Sub Awards to Institutions in **Sub-Saharan Africa** (By College)

College/Unit	Total Funding (\$)	Percent of Dollars to Region	Number of Awards
Institute for Food and Agricultural Studies	4,060,891	80.5	14
Medicine	833,564	16.5	3
Public Health and Health Professions	100,959	2.0	1
Veterinary Medicine	49,681	1.0	1
TOTAL	5,045,096	100.00%	19
TOTAL UF	\$15,475,472		74

- Sub awards to partners in Sub-Saharan Africa are 32.5% of the value of all sub awards at UF and 25.7% of the total number of projects at UF.

Sub Award Principal Investigators (By College)

College/Unit	Principal Investigator: "Project Title"	Countries
Institute of Food and Agricultural Studies	Adesogan, Adegbola: "Feed the Future Innovation Lab for Livestock Systems"	Kenya, Rwanda
	Adesogan, Adegbola: "Feed the Future Peste des Petits Ruminants Vaccine Associate Award"	Uganda
	Adesogan, Adegbola: "EQUIP - Strengthening smallholder livestock systems for the future"	Kenya, Ethiopia, Burkina Faso
	Havelaar, Arie: "EQUIP - Strengthening smallholder livestock systems for the future"	Ethiopia
	McKune, Sarah: "Feed the Future Innovation Lab for Livestock Systems"	Burkina Faso
Medicine	Kwara, Awewura: "Pharmacokinetics of Anti-tuberculosis and Antiretroviral Drugs in Children"	Ghana
	Kwara, Awewura: "Training Program in Tuberculosis and HIV Research in Ghana D43"	Ghana
Public Health and Health Professions	Liang, Song: "Exposure Assessment of Campylobacter Infections in Rural Ethiopia (EXCAM)"	Ethiopia
Veterinary Medicine	Dinglasan, Rhoel: "Process Development and Clinical Manufacturing of an Immuno-focused, Mosquito-based Pan-malaria transmission-blocking vaccine: AnAPN1 v. 2.0."	Cameroon

UF International Memoranda of Understanding (MOU) with Institutions in Sub-Saharan Africa

- There are 30 MOUs with institutions in Sub-Saharan Africa, which is 5.8% of all UF International MOUs.
- International MOUs in the region connect to institutions in 14 countries.
- 80% of the MOUs in the region are Cooperative Agreements.

Country	Partner Institution	Academic Manager	College	Type of Agreement
Angola	National Institute of Biodiversity and Conservation Areas (INBAC)		Florida Museum of Natural History	Other
Cameroon	University of Buea	Morris, J. Glenn	Emerging Pathogens Institute	Cooperative
Cameroon	University of Maroua	Morris, J. Glenn	Emerging Pathogens Institute	Cooperative
Cameroon	Local Materials Promotion Authority	Obonyo, Esther	Design, Construction and Planning	Cooperative
Ethiopia	Haramaya University	Adesogan, Adegbola	Institute of Food and Agricultural Sciences	Cooperative
Ghana	University of Ghana	Chalfin, Brenda	Liberal Arts and Sciences	Cooperative
Ghana	Komfo Anokye Teaching Hospital	Ryan, Matthew	Medicine	Cooperative

Country	Partner Institution	Academic Manager	College	Type of Agreement
Ghana	National Ambulance Service	Ryan, Matthew	Medicine	Cooperative
Kenya	Kenya Wildlife Service		Florida Museum of Natural History	Other
Kenya	Gates Fou, Bill & Melinda	Havelaar, Arie	Institute of Food and Agricultural Sciences	Other
Malawi	Malawi Department of Fisheries	Reddy, Ramesh	Institute of Food and Agricultural Sciences	Cooperative
Mali	Universite des Sciences Juridiques et Politiques de Bamako	Villalon, Leonardo A.	University Wide	Cooperative
Niger	University of Zinder	Villalon, Leonardo A.	University Wide	Cooperative
Nigeria	Assoc Of Agricultural Tech Of Nigeria	Ellis, James	Institute of Food and Agricultural Sciences	Other
Nigeria	Ahmadu Bello University	Odedina, Folakemi	Medicine	Cooperative
Nigeria	University of Ilorin	Odedina, Folakemi	Pharmacy	Cooperative
Nigeria	The International Institute of Tropical Agriculture	Rowland, Diane	Institute of Food and Agricultural Sciences	Cooperative
Senegal	Cheikh Anta Diop University		Florida Museum of Natural History	Other
Senegal	Université Gaston Berger	Villalon, Leonardo A.	Liberal Arts and Sciences	Cooperative
Senegal	Assane Seck University	Villalon, Leonardo A.	University Wide	Cooperative
Senegal	Université Cheikh Anta Diop de Dakar	Villalon, Leonardo A.	University Wide	Cooperative
South Africa	Stellenbosch University	Mitterko, Matt	University Wide	Cooperative
South Africa	University of Johannesburg	Mitterko, Matt	University Wide	Cooperative
South Africa	The University of the Western Cape	Morris, Michael	Business, Warrington College	Cooperative
South Africa	University of Pretoria	Srinivasan, Ravi S.	Design, Construction and Planning	Cooperative
Swaziland	University of Swaziland	McCleery, Robert	Institute of Food and Agricultural Sciences	Cooperative
Tanzania	University of Dar es Salaam		Florida Museum of Natural History	Other
Tanzania	Muhimbili University of Health and Allied Sciences	Lauzardo, Michael	Medicine	Cooperative
Tanzania	University of Dar Es Salaam	Leedy, Todd	Liberal Arts and Sciences	Cooperative
Uganda	Makerere University	Leedy, Todd	Liberal Arts and Sciences	Cooperative

International Students from **Sub-Saharan Africa** (By College)

- 1.9% of all international students at UF are from Sub-Saharan Africa.
- The majority of students (44%) from Sub-Saharan Africa at UF are enrolled in a doctoral program.

College/Unit	Bachelor	Master	Doctorate	Non Degree Other	Graduate Certificate	OPT	Total
Arts	-	2	1	-	-	-	3
Business	5	2	-	1	-	1	9
CLAS	5	2	11	2	-	3	23
DCP	-	2	6	-	-	-	8
Education	-	-	1	1	-	-	2
Engineering	8	3	8	-	-	7	26
IFAS	4	5	21	-	-	3	33
J&C	1	-	1	-	-	1	3
Law	-	2	-	1	-	-	3
Medicine	-	-	1	2	-	-	3
Nursing	-	-	1	-	-	-	1
Pharmacy	-	-	-	2	-	-	2
PHHP	-	4	2	-	-	-	6
Vet. Med.	-	-	2	-	1	-	3
TOTAL	23	22	55	9	1	15	125
TOTAL UF	810	1,651	1,715	301	33	2,145	6,655
Sub-Saharan Africa as Percent of UF	2.8	1.3	3.2	1.3	3.0	0.7	1.9

International Students from **Sub-Saharan Africa** (By Country)

- International students from 22 countries in the region.
- A little more than half (55%) of all students from Sub-Saharan are from two countries: Nigeria and Ghana.

Country of Citizenship	Bachelor	Master	Doctorate	Non Degree Other	Graduate Certificate	OPT	Total
Benin	-	-	3	-	-	-	3
Botswana	-	-	1	-	-	-	1
Burkina Faso	2	-	-	-	-	1	3
Cameroon	1	-	2	-	-	-	3
Cape Verde	1	-	-	-	-	-	1
Comoros	-	-	-	1	-	-	1
Congo	-	1	1	-	-	-	2
Cote D'Ivoire	-	-	-	1	-	-	1
Ethiopia	1	1	6	1	-	-	9
Ghana	-	8	7	3	-	3	21
Kenya	1	2	3	-	-	-	6
Madagascar	1	-	-	-	-	-	1
Malawi	-	1	2	-	-	-	3
Niger	1	-	-	-	-	1	2
Nigeria	9	8	23	2	1	5	48
Rwanda	-	-	-	-	-	1	1
Senegal	-	-	2	-	-	1	3
South Africa	5	-	1	-	-	1	7
Swaziland	-	-	2	-	-	1	3
Tanzania	1	-	1	-	-	-	2
Uganda	-	-	-	-	-	1	1
Zimbabwe	-	1	1	1	-	-	3
TOTAL	23	22	55	9	1	15	125
TOTAL UF	810	1,651	1,715	301	33	2,145	6,655

International Visiting Scholars from Sub-Saharan Africa (By College)

- Less than two percent of all international Visiting Scholars are from a country in Sub-Saharan Africa.
- Almost half of the Visiting Scholars from the region are hosted by IFAS.

College/Unit	Research Scholar	Short Term Scholar	Student Intern	Other	Total	Percent of Total
CLAS	-	6	-	-	6	23.1
Education	-	2	-	-	2	7.7
Florida Museum	-	2	-	-	2	7.7
IFAS	4	4	3	1	12	46.2
Law	-	1	-	-	1	3.8
Medicine	1	-	-	-	1	3.8
Pharmacy	-	1	-	-	1	3.8
Vet. Medicine	1	-	-	-	1	3.8
TOTAL	6	16	3	1	26	100%
TOTAL UF	1,118	314	94	7	1,538	
Percent of Total UF	0.5	5.1	3.2	14.3	1.7	

International Visiting Scholars from Sub-Saharan Africa (By Country)

Country of Citizenship	Research Scholar	Short Term Scholar	Student Intern	Other	Total	Percent of Total in Region
Burkina Faso	-	1	-	-	1	3.8
Ethiopia	1	1	-	-	2	7.7
Gabon	-	2	-	-	2	7.7
Ghana	-	1	1	-	2	7.7
Kenya	1	-	-	-	1	3.8
Malawi	-	1	1	-	2	7.7
Mozambique	-	2	-	-	2	7.7
Niger	-	1	-	-	1	3.8
Nigeria	3	4	-	1	8	30.8
South Africa	1	2	-	-	3	11.5
Tanzania	-	1	-	-	1	3.8
Uganda	-	-	1	-	1	3.8
TOTAL	6	16	3	1	26	100%
TOTAL UF	1,118	314	94	7	1,538	1.7%

- International Visiting Scholars from this region represent 12 countries.

Study Abroad to **Sub-Saharan Africa** (By College)

College/Unit	Number of Students to Region	Total Study Abroad	Percent of College to Region	Percent of Total
Arts	3	58	5.2	4.7
Business	2	784	0.3	3.1
CLAS	25	712	3.5	39.1
Engineering	6	277	2.2	9.4
HHP	2	67	3.0	3.1
IFAS	21	192	10.9	32.8
J&C	3	213	1.4	4.7
Nursing	1	32	3.1	1.6
Not Reported	1	53	1.9	1.6
TOTAL	64	2,637		100%

- 2.4% of all study abroad students visited Sub-Saharan Africa.

Study Abroad in **Sub-Saharan Africa** (By Country)

Country	Total	Percent of Total
South Africa	26	40.6
Kenya	16	25.0
Madagascar	12	18.8
Ethiopia	5	9.4
Botswana	2	3.1
Tanzania	2	3.1
Ghana	1	1.6
TOTAL	64	100%
TOTAL UF	2,637	2.4%
Sub-Saharan Africa as Percent of Total UF	2.4%	

- UF students visited seven countries in the region during their study abroad.

UF Travel to Sub-Saharan Africa (By Country)

- 291 trips were made to 27 countries in Sub-Saharan Africa, or 6.7% of all travel.
- Half of all trips to the region are to four countries: South Africa, Ethiopia, Kenya, and Ghana.

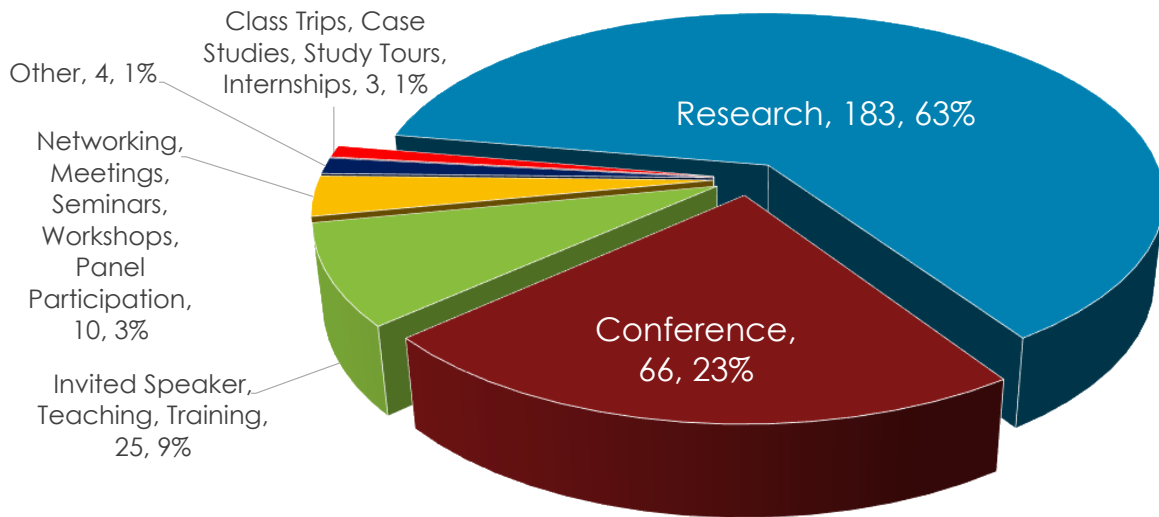
Country	Total	Percent of Total to Region
South Africa	66	22.7
Ethiopia	29	10.0
Kenya	28	9.6
Ghana	24	8.2
Nigeria	23	7.9
Tanzania	17	5.8
Rwanda	13	4.5
Senegal	11	3.4
Zambia	10	3.4
Swaziland	8	2.7
Uganda	8	2.7
Burkina Faso	7	2.4
Madagascar	7	2.4
Republic of the Congo	5	1.7
Benin	4	1.4
Gabon	4	1.4
Niger	4	1.4
Reunion Island	4	1.4
Cameroon	3	1.0
Malawi	3	1.0
Namibia	3	1.0
Botswana	2	0.7
Mali	2	0.7
Mozambique	2	0.7
Sierra Leone	2	0.7
Mauritius	1	0.3
Togo	1	0.3
TOTAL	291	100%
TOTAL UF	4,342	
Sub-Saharan Africa as Percent of Total UF	6.7%	

UF Travel to **Sub-Saharan Africa** (By College)

College/Unit	Trips to Region	Percent of All Trips in College	Percent by College Trips to Region
Arts	4	3.4	1.4
CLAS	80	10.4	27.5
DCP	2	2.9	0.7
Education	2	2.8	0.7
Engineering	3	0.6	1.0
FL Museum of Natural History	9	6.3	3.1
HHP	1	1.7	0.3
IFAS	77	8.1	26.5
J&C	1	2.3	0.3
Medicine	23	5.3	7.9
Pharmacy	8	7.3	2.7
PHHP	18	11.6	6.2
Type One Centers	2	2.9	0.7
UF Administration	22	13.0	7.6
UF International Center	7	20	2.4
UF Libraries	1	2.6	0.3
UF Office of Research	2	22.2	0.7
Veterinary Medicine	17	14.2	5.8
Not Reported	12	5.3	4.1
TOTAL	291		100%

- A little more than half of all trips to Sub-Saharan Africa are from the Institute of Food and Agricultural Sciences and the College of Liberal Arts and Sciences.

UF Travel in **Sub-Saharan Africa** (By Purpose)



- The majority of trips are to support UF research programs.

Countries Included in the sub-Saharan Africa Regional Report¹

- Angola
- Benin
- Botswana
- Burkina Faso
- Burundi
- Cabo Verde
- Cameroon
- Central African Republic
- Chad
- Comoros
- Congo
- Côte d'Ivoire
- Democratic Republic of the Congo
- Djibouti
- Equatorial Guinea
- Eritrea
- Ethiopia
- Gabon
- Gambia
- Ghana
- Guinea
- Guinea-Bissau
- Kenya
- Lesotho
- Liberia
- Madagascar
- Malawi
- Mali
- Mauritania
- Mauritius
- Mayotte
- Mozambique
- Namibia
- Niger
- Nigeria
- Republic of the Congo
- Réunion
- Rwanda
- Sao Tome and Principe
- Senegal
- Seychelles
- Sierra Leone
- Somalia
- South Africa
- South Sudan
- Swaziland
- Togo
- Uganda
- United Republic of Tanzania
- Zambia
- Zimbabwe

Learn more about this region:

- Central Intelligence Agency, The World Factbook -- https://www.cia.gov/library/publications/the-world-factbook/wfbExt/region_afr.html
- The World Bank, DataBank -- <https://data.worldbank.org/region/sub-saharan-africa>
- Wikipedia, Sub-Saharan Africa -- https://en.wikipedia.org/wiki/Sub-Saharan_Africa



¹ This list includes all countries in the region; however, UF may not have activity in every country. The geographical regions are grouped according to the United Nations. Learn more about the methodology here: <https://unstats.un.org/unsd/methodology/m49/>