TRAINING IN GEE AND R FOR LANDCOVER MAPPING
Centre for Human Settlement and Sustainable Development (CHUSSDEV)
5th – 9th September 2022

CHIDA HOTEL ABUJA

TRAINING SCHEDULE

Day 1: Monday, 5th September 2022		
Time	Activities	Responsibilities/Resource Person
08:00 – 08:30	Arrival and Registration	Registration desk
08:35 – 09:00	Welcome address and purpose of training	Prof Oluseyi Fabiyi
09:05 – 09:30	Review of objectives and agenda for the training	Dr. George Ashiagbor/Mr. Yakubu Mohammed
09:35 – 10:15	Ice Breaker – Team Building Exercise	
10:15 – 10:30	Theory– Introduction R, GEE and Github	Mr. Ernest Opoku Kwarteng /Dr. George Ashiagbor
10:30 – 10:50	Coffee/Tea Break	
10:50 – 13:00	Module 1: Basics of GEE and Github	Mr. Ernest Opoku Kwarteng
13:00 – 13:45	Lunch	
14:00 – 15:45	Module 2: Image collection and feature collection	Mr. Ernest Opoku Kwarteng
15:45 - 16:00	Tea/Coffee Break (health break)	
16:00 – 16:55	Module 2: Image collection and feature collection	Mr. Ernest Opoku Kwarteng
16:55 – 17:00	Closing Round (Questions and Evaluations)	
17:00 -17:20	Closing address	Dr. George Ashiagbor

Day 2: Tuesday, 6th September 2022		
Time	Activities	Responsibilities/Resource Person
08:30 –09:00	Review of Day 1	Participants
09:05 –09:30	Theory– The Image classification process (Improving segregation of tree crops in a multifunctional landscape)	Dr. George Ashiagbor
09:30 –10:30	Module 4 – Exploring Spatial Indices in GEE & bands stacking	Mr. Ernest Opoku Kwarteng
10:30 – 10:50	Coffee/Tea Break	
10:50 – 13:00	Module 4 – Exploring Spatial Indices in GEE & bands stacking	Mr. Ernest Opoku Kwarteng
13:00- 13:45	Lunch	
16:00 – 16:55	Module 5 – Random Forest Image classification and Validation in GEE	Mr. Ernest Opoku Kwarteng
15:45 - 16:00	Short Break	
16:00 – 16:55	Module 5 – Random Forest Image classification and Validation in GEE	Mr. Ernest Opoku Kwarteng
16:55 – 17:00	Closing Round (Questions and Evaluations)	

Day 3: Wednesday, 7th September 2022

Time	Activities	Responsibilities/Resource Person
08:30 –09:00	Review of Day 2	Participants
09:05 –10:30	Module 3 – Basics of R studio for Satellite Image Analysis	Dr. George Ashiagbor
10:30 – 10:50	Coffee/Tea Break	
10:50 – 13:00	Module 3 – Basics of R studio for Satellite Image Analysis	Dr. George Ashiagbor
13:00- 13:45	Lunch	
10:50 – 13:00	Module 3 – Basics of R studio for Satellite Image Analysis	Dr. George Ashiagbor
15:45 - 16:00	Short Break	
14:00 – 15:45	Module 4 – Exploring Spatial Indices in R & bands stacking	Dr. George Ashiagbor
14:00 – 15:45	Module 5 – Random Forest Image classification and Validation in R	Dr. George Ashiagbor
16:55 – 17:00	Closing Round (Questions and Evaluations)	

Day 4: Thursday, 8th September 2022

Time	Activities	Responsibilities/Resource Person
08:30 –09:00	Review of Day 3	Participants
09:05 –10:30	Module 1 – 5 : Practice Exercise (GEE)	Mr. Ernest Opoku Kwarteng/ Dr. George Ashiagbor/ Mr. Yakubu Mohammed
10:30 – 10:50	Coffee/Tea Break	
10:50 – 11:00	Interaction session	Prof Oluseyi Fabiyi
11:00 – 13:00	Module 1 – 5 : Practice Exercise (GEE)	Mr. Ernest Opoku Kwarteng/ Dr. George Ashiagbor/ Mr. Yakubu Mohammed
13:00- 13:45	Lunch	
14:00 – 15:45	Module 1 – 5 : Practice Exercise (R)	Dr. George Ashiagbor/ Mr. Ernest Opoku Kwarteng/ Mr. Yakubu Mohammed
15:45 - 16:00	Short Break	
16:00 – 16:55	Module 6 / Theory – Unified Classification Scheme, field training Data collection, experience and ensuring accuracy	Dr. George Ashiagbor/ Mr. Ernest Opoku Kwarteng/ Mr. Yakubu Mohammed
16:55 – 17:00	Closing Round (Questions and Evaluations)	

Day 5: Friday, 9th September 2022		
Time	Activities	Responsibilities/Resource Person
07:00–10:00	Field Demonstration	Participants
10:05 –11:00	Questions and Evaluations /Use of acquired data	Mr. Yakubu Mohammed
11:00 – 11:20	Coffee/Tea Break	
11:20 – 12:20	Interactive Session	Prof Oluseyi Fabiyi
12:00-03:00	Closing of Workshop/ Late Lunch Break	Prof Oluseyi Fabiyi
3:30 – 3:30	Closing Address	Executive Director of Forestry Department