

TRAINING THE WORKFORCE TO SOLVE CLIMATE CHANGE

THE CAPACITY GAP

A central element of the Paris Agreement is for countries to regularly and accurately take stock of their greenhouse gas sources and sinks. Yet three years after entry into force, there is still a significant disconnect between ambition and implementation. Even with unprecedented political will to combat climate change, the current institutions and workforces in many countries cannot fully implement the Paris Agreement as intended.

CLOSING THE GAP

Developing additional capacity for GHG inventories helps countries efficiently meet NDC targets, further increase ambition, and receive results-based finance from REDD+. International capacity-building efforts to date often defaulted to discrete initiatives revolving around short workshops with significant foreign expert roles. Closing this ambition gap requires a structural shift toward novel and innovative strategies of more permanent country-owned technical training in GHG measurement.

**Mentor
faculty**

**Tailor
advanced
curricula**

**Accredit
programs
globally &
nationally**

**Conserve
& restore
ecosystems**

**Measure
climate
progress
transparently**

OUR WORK

To meet this challenge, The Carbon Institute has made a long term commitment to building institutionalized GHG measurement capacity through supporting faculty in establishing terrestrial carbon accounting certificate programs. Self-sustaining, solution-oriented professional training courses use teaching best practices, shared curricula, faculty mentoring, and active learning modules. Carbon Institute programs graduate professional workforces with technical skills to measure land use emissions and contribute to the UNFCCC expert review process.

SUSTAINABLE CAPACITY

Investing in carbon accounting faculty in teaching centers builds long-term capacity and a new generation of carbon professionals. The Carbon Institute trains world class experts in measuring natural carbon stocks without being reliant on continuous foreign consultants or support. Our model invests in the long-term success of a country's workforce, educational systems, and national climate ambition by empowering academic institutions that sustain and grow human capacity.



CENTRAL AFRICA



“There is a need for more carbon accounting training in Central Africa. Only three countries have already hosted TCA training programs — Cameroon, the Democratic Republic of the Congo, and the Republic of the Congo. The seven other countries of COMIFAC would benefit from extended TCA training.”

— **François Hiol Hiol**, Former Director of CRESA Forêt-Bois

The Carbon Institute’s terrestrial carbon accounting (TCA) courses in **Cameroon**, the **Republic of the Congo (ROC)**, and the **Democratic Republic of the Congo (DRC)** are a compelling case-study in how to foster a new generation of world-class faculty. After mentoring the best academics in Cameroon with prior expertise in TCA, these highly-trained Cameroonian teachers then brought advanced TCA to ROC, and the best faculty from these two countries teamed up to teach TCA in DRC. The result: three successful advanced TCA courses in Central African countries, all taught by the best faculty in the region.







78 **2,321** **91%**

Central African experts
trained to teach TCA

Course person-hours
of TCA training

Positive training
course evaluations

CURRICULAR CONTENT

-  TCA Policy Context
-  IPCC Guidelines and Land Use Classification
-  GIS, Remote Sensing, and Activity Data
-  Field Measurements and Emission Factors
-  Carbon Accounting Math and Statistics
-  Communicating TCA Results


③ CAMEROON

 27 PROFESSIONALS TRAINED

 1,200 COURSE PERSON-HOURS

③ REPUBLIC OF CONGO


 31 PROFESSIONALS TRAINED

 691 COURSE PERSON-HOURS

 TRAINED BY CAMEROONIAN EXPERTS

③ DEMOCRATIC REPUBLIC OF CONGO

 20 PROFESSIONALS TRAINED

 430 COURSE PERSON-HOURS

 TRAINED BY CAMEROONIAN AND
CONGOLESE EXPERTS

