



Certificate in Statistics for Terrestrial Carbon Accounting

Offered by the Centre for Climate Risk and Opportunity Management, the Greenhouse Gas Management Institute and the Carbon Institute

**October 14-17, 2014
Bogor Indonesia**

www.ghginstitute.org/statistics-for-terrestrial-carbon-accounting/

~ **Applications are being accepted on a rolling basis until October 1, 2014** ~
Apply Here: <http://tinyurl.com/q8czxqg>

Many countries and subnational jurisdictions are constructing REDD+ reference levels for carbon stores and fluxes in forests and other land uses. This course will provide students with the skills needed to build statistically rigorous REDD+ reference levels and terrestrial carbon accounts that can be eligible for pay-for-performance funding. The course will follow the IPCC Good Practice Guidelines and help students learn and master World Bank Forest and Carbon Partnership Facility methodological guidance on REDD+ reference levels.

Topics include

- Overview and background on statistics
- REDD+ reference levels
- Intergovernmental Panel on Climate Change Good Practice Guidelines
- World Bank Forest and Carbon Partnership Facility Methodologies
- Land use classes, activity data and emissions factors
- Uncertainty, error propagation, Monte Carlo simulations
- Confidence intervals, normal distribution, central limit theorem
- R programming introduction

Students are encouraged to bring their own data to receive individualized training and support for building credible REDD+ reference levels that include uncertainty and error propagation. Instructors will provide templates for students to compute their own statistically rigorous reference levels that can be shared with domestic and international policy communities. There are no prior math or statistics requirements for the course and students will be provided with review materials in advance.



Schedule

Students will receive 4 days of instruction, beginning at 9:00 am on October 14, 2014 and ending with graduation at 1pm on October 17, 2014.

Certificate

Students who successfully complete the course exam will receive a Certificate in Terrestrial Carbon Accounting Statistics from the Carbon Institute, the Greenhouse Gas Management Institute, and the Centre for Climate Risks and Opportunity Management.

Instructors

John Niles, Lecturer in Carbon Science and Carbon Accounting at the University of California, San Diego; Faculty Greenhouse Gas Management Institute.

Stuart Sandin, Associate Professor at Scripps Institute of Oceanography, University of California, San Diego; Lecturer in Terrestrial Carbon Accounting.

Rizaldi Boer, Director, Centre for Climate Risk and Opportunity Management; Faculty of Mathematics and Natural Sciences at Bogor Agricultural University.

Student Qualifications

- Students must be able to speak and write clearly in English
- Students must have basic familiarity with REDD+ or LUCF carbon accounting
- Students must bring their own laptops, equipped with Microsoft Excel, to work on during the course

Applications

Applications are now being accepted on a rolling basis until **October 1, 2014**.

Applicants will be notified by email within 3 business days of completing their application, if they have been accepted into the Terrestrial Carbon Accounting Certificate program.

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Registration

Within the email notification of acceptance, students will be sent payment information to process course registration. Once registration payment is received, students will be admitted to the course. Registration payment is due in full by **October 3, 2014**.



Costs

Registration fees:

- International Students: US\$2,200
- Indonesian Students: US\$1,000

Registration fees include all instruction, materials, software, and tools. No financial aid or scholarships are available.

Local expenses:

Students are responsible for the cost of local expenses, i.e. room, board, visas, travel insurance, etc. Local expenses are estimated to be US\$500.

Travel expenses:

Students are responsible for all travel expenses to and from the course, i.e. airfare, taxi, etc.

Logistics

Upon being admitted, students will receive an informational course packet. This packet will include further detail about obtaining a visa, travel to and from the Centre for Climate Risk and Opportunity Management, and local accommodations. At this time, students will also be provided with a syllabus and set of materials to review before the course begins.

Visas on arrival for Indonesia are available for many countries. Prospective students should consult the following website to see if they are eligible for on arrival or free visas (those countries in green and blue on the map are eligible for visas on arrival or free visas on arrival).

http://en.wikipedia.org/wiki/Visa_policy_of_Indonesia

Contact Information

For course inquiries, contact: john.niles@ghginstitute.org

For application and registration inquiries, contact: registrar@ghginstitute.org

Website: www.ghginstitute.org/statistics-for-terrestrial-carbon-accounting/

Course Application: <http://tinyurl.com/q8czxqg>