

# Scaling a professional climate change workforce



the society of greenhouse gas professionals

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# About GHGMI

## **Mission**

“To build and support a global community of experts with the highest standards of professional practice in measuring, accounting, auditing, and managing GHG emissions.”

## **Methods**

Train, network, and certify practitioners

## **Vision**

Professionalize the practice of MRV and carbon management

# What we have done

**Origins** Began by developing curriculum for national inventory review process

**Growth** Collaborated with experts to build out rigorous course catalogue covering:

## **MRV principles**

- Accounting frameworks
- Sectoral quantification
- Verification

## **Program design**

- Reporting rules
- Verifier accreditation

## **Other topics**

- Carbon management
- Ethics
- Policy design theory

# Delivery model

## E-learning

- Interactive web-based training:
  - ✓ Asynchronous
  - ✓ Pedagogically rich
  - ✓ Globally available
  - ✓ Standardized

## Delivery partners

- International development
- Program support (e.g., emission trading)

## Reach

- 20 courses developed
- More than 2,000 course seats
- Learners in >80 countries

# Delivering at scale

## “MOOC” revolution in higher education

- Sea change in how colleges (e.g., Harvard, MIT, Stanford) develop and deliver courses
- Technology changes: **Access, Cost, & Scale**

## How are we adapting?

- Moving to greater automation in delivery
- Changing systems to accommodate scale over specialization
- Changes substantially reduce per-learner marginal costs

# Professional certification

**EP(GHG)** certification, culmination of our:

- Experience as training institution
- Vision of MRV as a profession

## Program details

- Accredited to ISO 17024
- Titles focused on GHG projects & inventories
  - EP(GHG) quantification
  - EP(GHG) verification
- Assessment criteria
  - Higher education requirements
  - Work experience and work logs
  - Examination
  - Expert review

# An evolved model for capacity building

## New training center in collaboration with Asian Institute of Technology & USAID

- Piloting across 11 S/SE Asian countries
- Built around new IPCC guidelines courses
  - Rigorous online curriculum
  - Supplementary in-person follow-up workshops
  - Local university partner
  - Integrated with EP (GHG) certification
  - Built for scale
  - Launching this year!

# More Information

**GHG Management Institute**

[www.ghginstitute.org](http://www.ghginstitute.org)

**EP(GHG) professional certification**

[www.epghg.org](http://www.epghg.org)

***GHG Measurement & Management journal***

[www.tandfonline.com/tgmm](http://www.tandfonline.com/tgmm)

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