



greenhouse gas management institute

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

**International Workshop of GHG Protocol Programs**  
**SESSION: *Quality Assurance***

**Michael Gillenwater**

Executive Director & Dean

# Agenda: Quality Assurance

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1. Moderator introduction
2. Reinaldo Figueiredo American National Standards Institute
3. Robyn Camp The Climate Registry
4. Chikako Makino Japan Accreditation Board for Conformity Assessment
5. (respondent) Rosa Maria Jimenez CESPEDES
6. (respondent) John Sotong USEPA Climate Leaders
7. Q&A
8. Small group work (~30 min)

# Background questions

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- What is quality assurance (QA vs. QC)?
- Why do we need it?
- What are the appropriate relationships between parties involved in QA?
- Who are the right people to do it? 
- How do we do it? 

# Data applications

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- Marketing & PR
- Voluntary programs & markets
- Compliance & trading
- Scientific inquiry

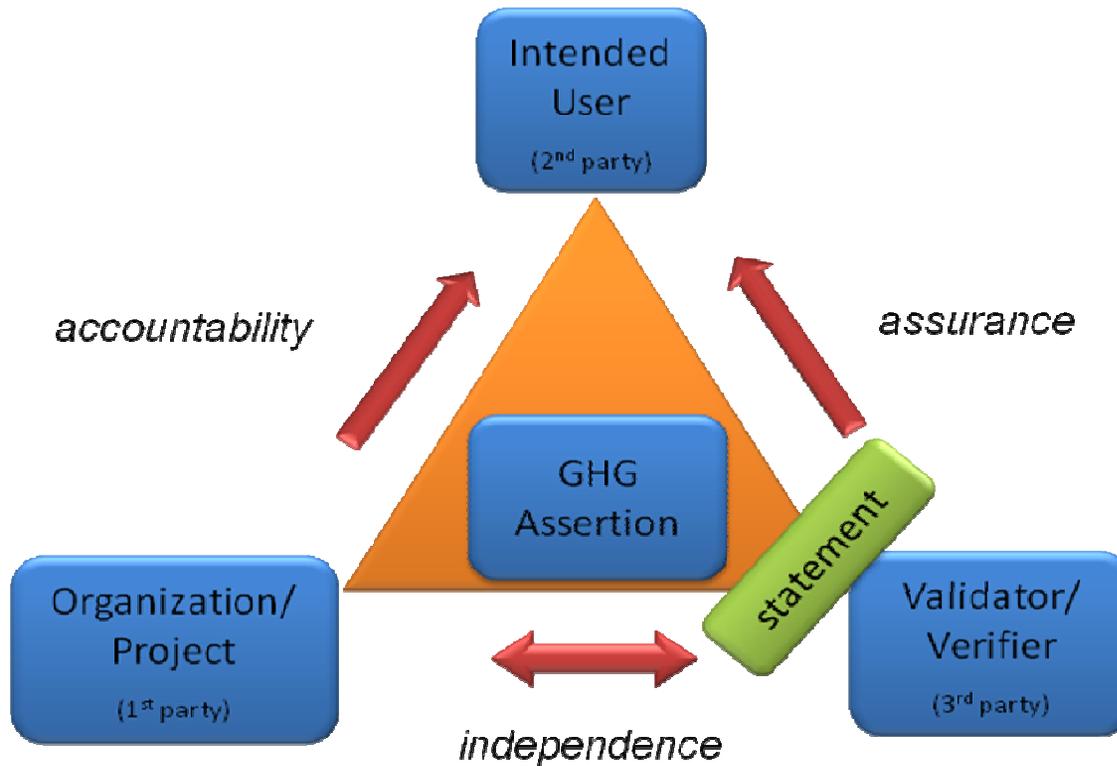
# GHG Accounting frameworks

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- Global
- National
- Sectoral / program
- Product / Supply chain
- Entity
- Facility
- Project

# Where is complexity in relationships



1<sup>st</sup> (Seller)

2<sup>nd</sup> (Buyer/User)

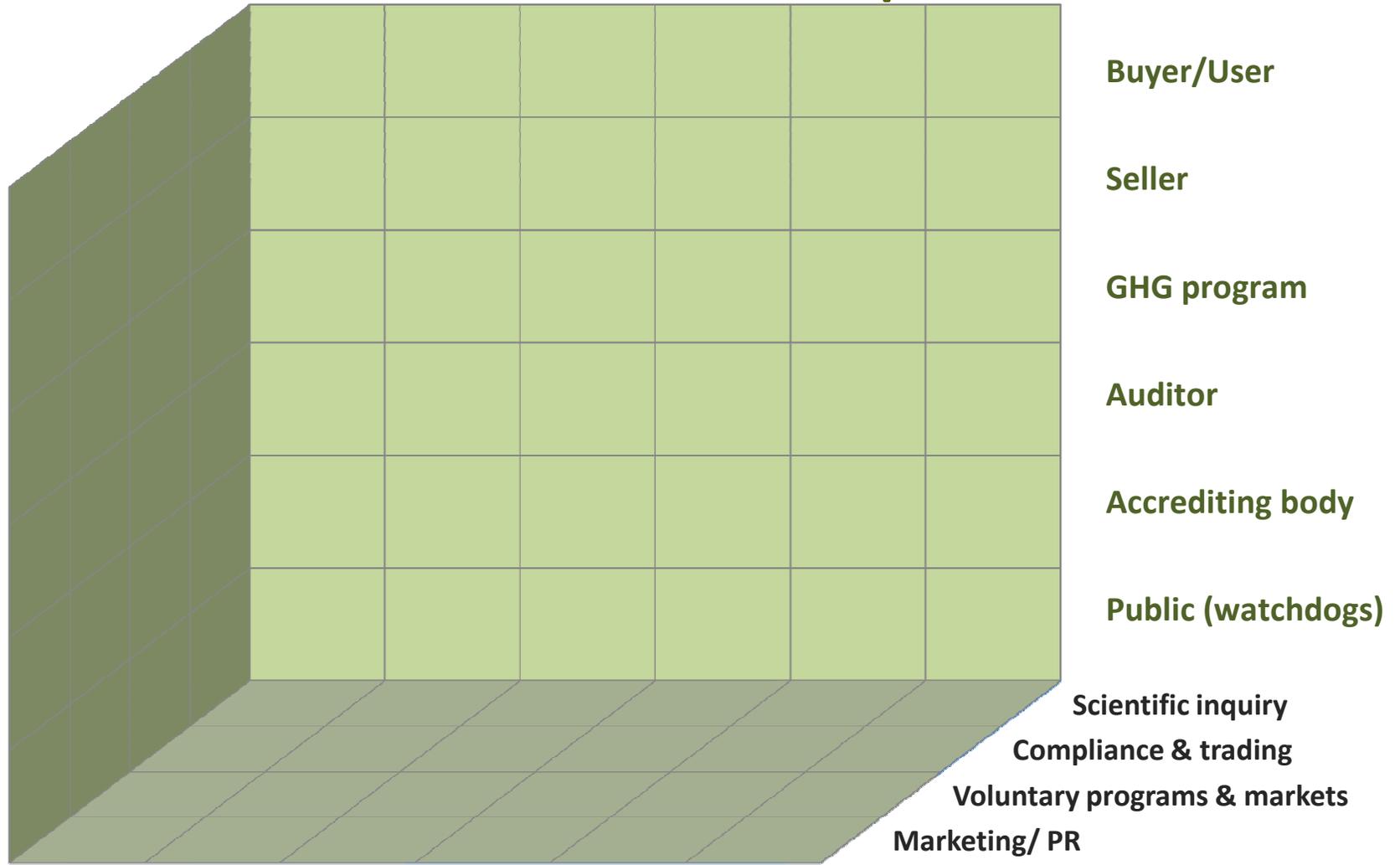
3<sup>rd</sup> (Auditor)

GHG program

Accrediting body

Public (watchdog)

# Information QA space



**National**   **Sectoral/  
Program**   **Product/  
Supply  
chain**   **Entity**   **Facility**   **Project**

**Scientific inquiry**  
**Compliance & trading**  
**Voluntary programs & markets**  
**Marketing/ PR**

# Questions for panel

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- Where do we need 3rd party verification?
- What is a reasonable expense to pay for assurance?
- Can auditing/accreditation be fully outsourced?
- What should be the role of GHG programs in QA?
- **What should be the role of the GHG Protocol in QA?**
- Implications for QA from mandatory reporting in US?
- Lessons from EU-ETS?
- What are our biggest challenges with QA?
- How do we solve them?