

CSA Standards Sustainability and Greenhouse Gas Management

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MAKING STANDARDS WORK FOR PEOPLE & BUSINESS

CSA Sustainability Program



- Keeping pace with the global market
- Infrastructure standards
 - New technologies
 - Climate change adaptation
- International standards leadership
 - Environmental - 14000 Series
 - Social Responsibility
- Environmental Labelling
- Sustainable organizations and products

CSA Climate Change Services

- Adaptation
 - Building codes
 - Risk management and Infrastructure standards
- Mitigation
 - Energy efficiency
 - Renewable energy
 - Green buildings
- GHG Accounting and Management
 - ISO 14064 standards
 - GHG registries



Why Should I Care About GHGs?

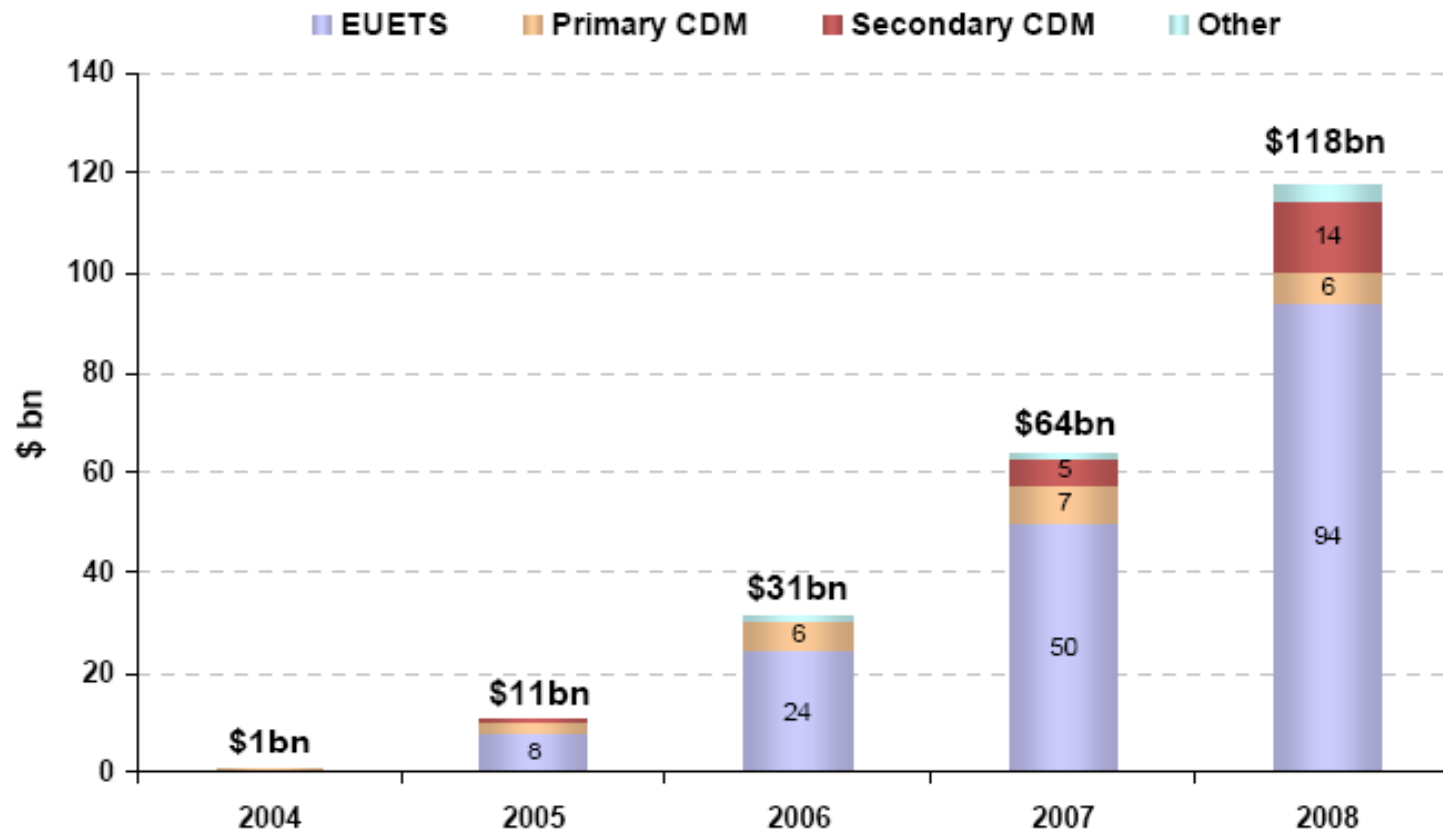
- Climate change (*regardless of politics*) affects business
 - Legal requirements
 - Stakeholder and customer expectations
 - Market share and competition
 - Financing
- But there is uncertainty policies/programs/protocols
 - Regulation is new and confusing
 - There are different protocols being developed
 - There are many organizations involved
- Result: companies are unsure about what to do

Reduce Emissions and Save Money

- Measure GHGs so you can manage GHGs
- Once you establish a GHG baseline you can identify opportunities to reduce GHG emissions
- There are two major strategies:
 - Reducing/eliminating certain actions
 - changing others

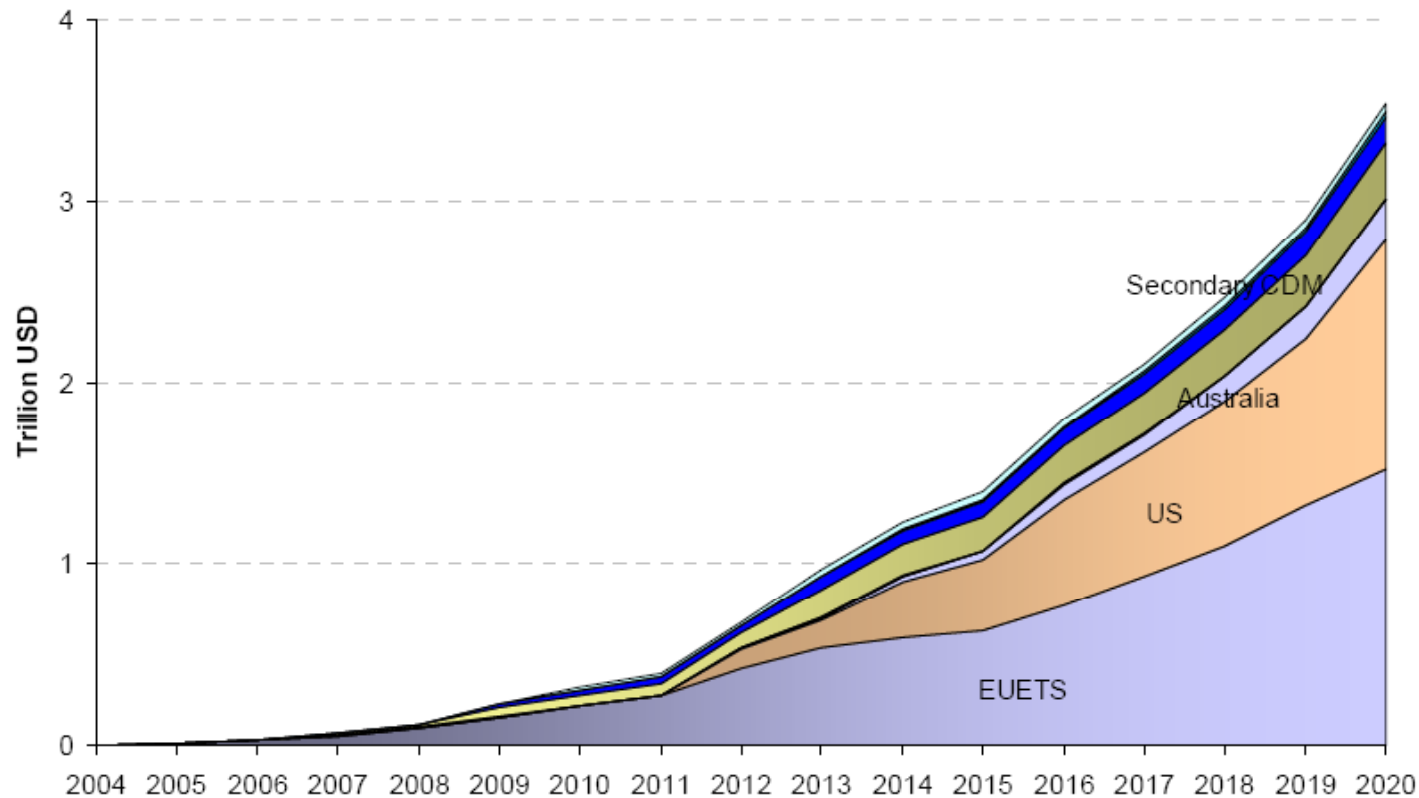


Economic Opportunities: Carbon Market



Source: New Carbon Finance

Potential Growth in the Carbon Market



Source: New Carbon Finance

Global Reporting Initiative (GRI)

- GRI is the most widely used corporate sustainability reporting framework
- Sustainability reporting is now considered 'part of good business'
- The third generation GRI reporting guidelines include compilation of a corporate GHG inventory



Source: <http://www.globalreporting.org/ReportingFramework/ReportingFrameworkDownloads/>

Carbon Disclosure Project (CDP)

- Institutional investors are requesting carbon footprint information
- Over 80% of companies are disclosing their carbon footprint
- Results are used in assessing risk of investments in sectors or companies



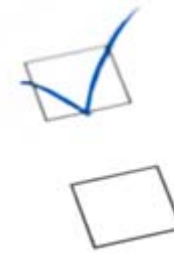
Source: <http://www.cdproject.net/reports.asp>

Wal-Mart's Sustainability Index



- Measures supplier environmental performance
- Asks for corporate GHG inventory
- Focus on overall carbon performance of companies making up your supply chain
- If gathered and documented properly, this information could help calculating the GHG footprint of products in the future

Using Standards & Registries



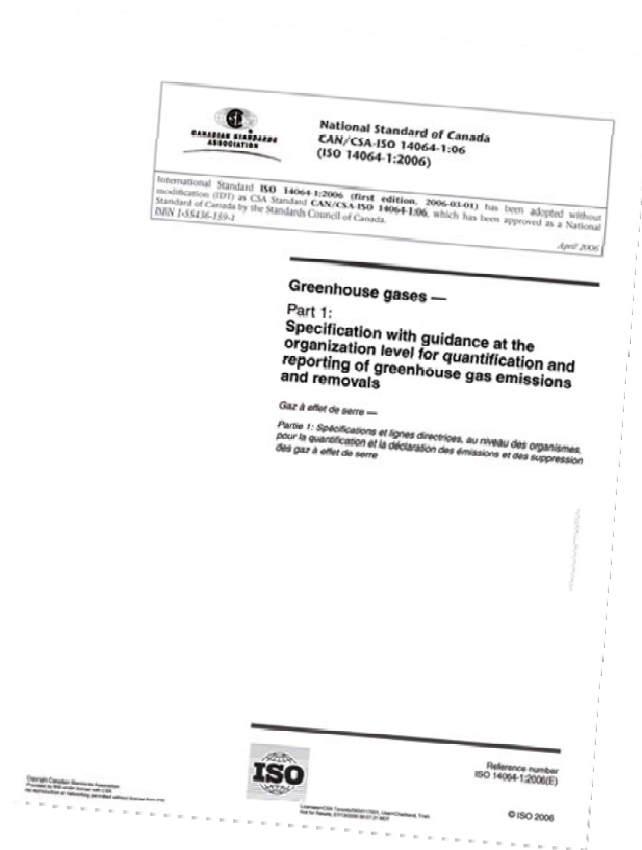
- Use of standards and harmonized principles for GHG management ensures transparent, consistent, relevant and complete information
- Increases credibility of documentation if independent validation and verification is used
- Helps reduce potential for multiple use of VERRs through individualized serial numbers
- Standards harmonize results and ensure compatibility between regional programs

Establishing International Standards

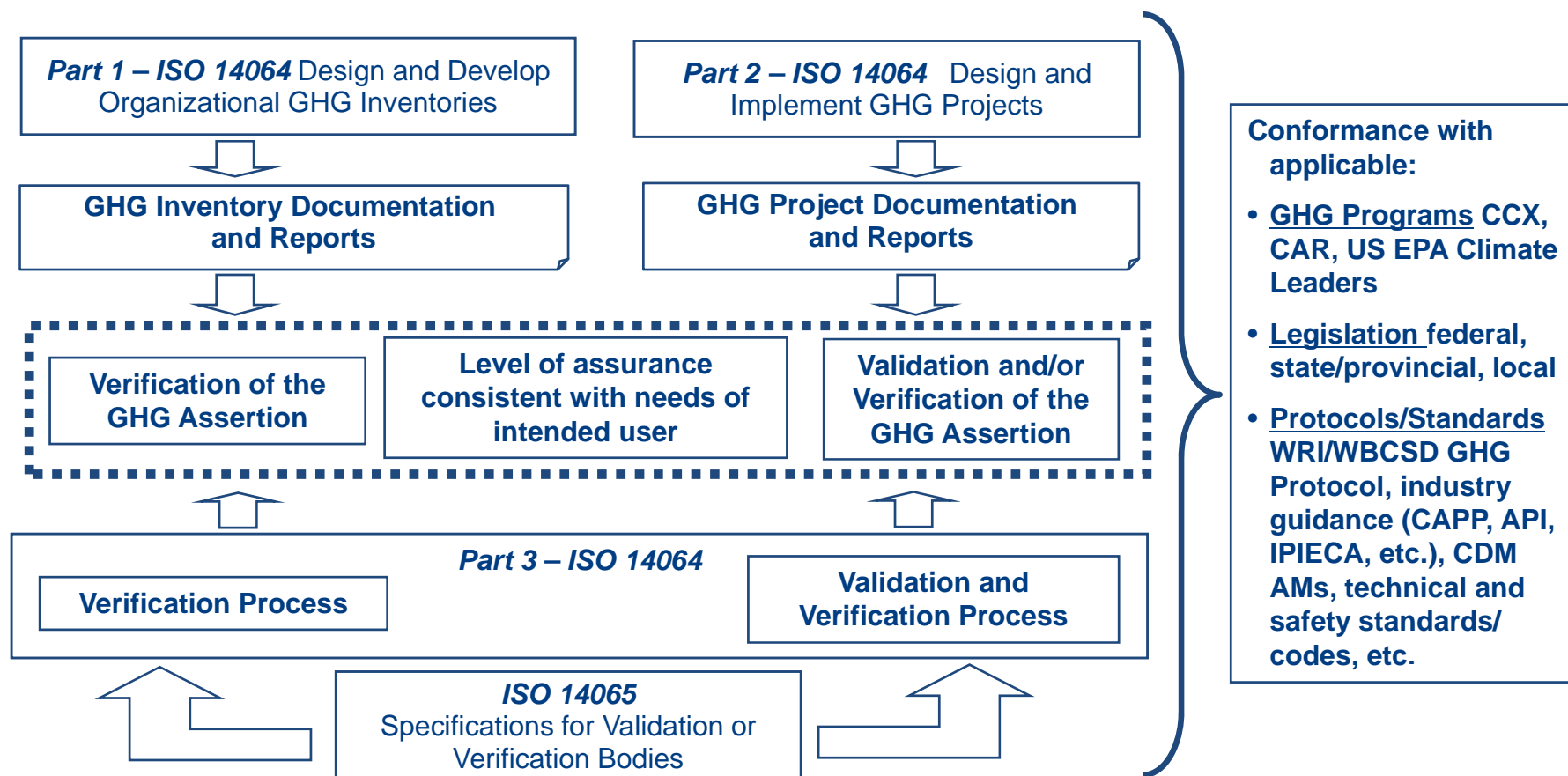
- CSA Standards is World Secretariat for ISO 14064
- Foundation for Climate Change products & services



International
Organization for
Standardization



ISO 14064 GHG Standards Framework



CSA Standards-based GHG Management

to help *certify* consistent skill sets



Helping People *Set Rules*

Our Standards and Codes

- Over 3,000 standards and codes
- Secretariat to ISO/TC 207
- Leading experts on ISO 14064

Bringing People Together

- 220 staff working with business, industry, consumers and government
- Over 7,500 active expert members,
- Consensus process
- Making standards work internationally



**Standards
& Codes**

Helping People *Apply Standards*

Tools for GHG Management

- Registries
- Protocol Databases
- Program Design

Convenient Formats

- Download PDF documents
- Smart CD's – embedded formulas
- Websites and web-based portals



Helping People *Understand Standards*

Education and Training Programs

- GHG Management and Verification Courses
- Inventories, Projects and Verification
- Essentials and Experts

Course Delivery

- Seminars (public courses)
- Customized in-house training
- eLearning courses
- Forums
- Blended learning – combination of seminars & eLearning



Training

Seminars
eLearning Courses
Customized Training

Helping People *Implement Best Practices*

Customized (Advisory) Services

- Utilize our core competencies as global leaders in GHG management
- Create custom solutions:
 - ✓ Capacity building for private sector and government
 - ✓ Stakeholder engagement
 - ✓ Project implementation
 - ✓ Understanding regulatory requirements and voluntary programs



**Customized
(advisory)
Services**

Helping *Certify Consistent Skill Sets*

Personnel Certification

For GHG Quantifiers and GHG Verifiers.

Program Benefits

To the individual...

- peer and industry recognition
- competitive advantage

To the company...


- confirmation of competence
- easier interviewing process
- safer work habits



CSA in the Global Marketplace

- Product Certification for gas, plumbing electrical and electronic products destined for North American markets
- Facilities in Hong Kong, Shanghai, Seoul, Tokyo, Bangalore and Mumbai
- Strategic Partnerships




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Helping to Meet the Climate Change Challenge

At CSA Standards, our goal is simple: To provide you with solutions that makes your environmental management easier.


We offer the unique, multi-functional perspective and resources needed to develop products and services to drive development, commercialization and verification of practical and effective climate change solutions.

CSA Standards is a respected worldwide leader in standards development and has been instrumental in developing international environmental and carbon management standards. On behalf of the Standards Council of Canada (SCC), CSA Standards holds the Secretariat for the committee that developed the ISO 14000 environmental management and ISO 14064 climate change standards. CSA Standards also manages the Canadian Advisory Committees that provide input to other international environmental standards activities.

CSA Standards offers a suite of GHG Management products, services and tools to help your organization make the journey to carbon neutrality.

CSA Standards GHG Management Services:

Advisory Services
Your Guide On The Road To Reducing Your Environmental Footprint
 When it comes to reducing your environmental or carbon footprint, few organizations in North America have as much experience and expertise as CSA Standards.
[Learn more](#)



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Personnel Certification

Climate Change

visit: www.csa.ca/climatechange



“Some people change their ways when they see the light, others when they feel the heat.”

Caroline Schroeder