



ANSI Greenhouse Gas Program - *Current Situation and Trends*

EMA - GHG Validation and Verification Bodies Forum
October 28, 2014, Mexico City, Mexico

Ann Bowles, Director, Environmental Accreditation
Programs



Agenda



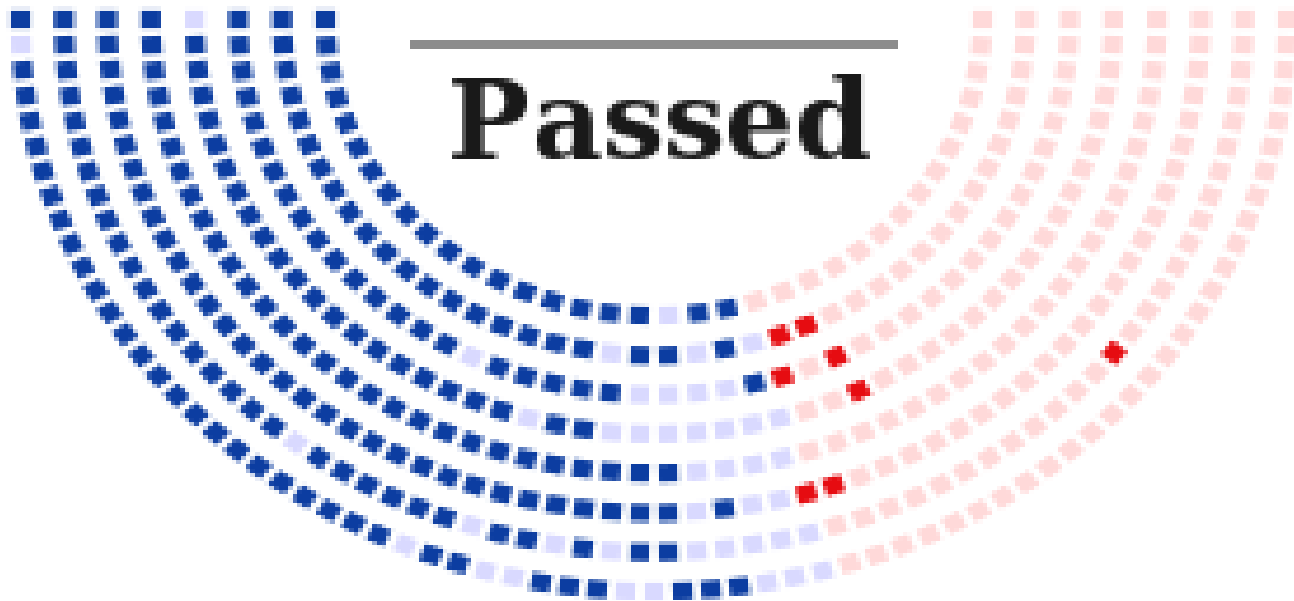
- Intro and background on ANSI GHG program
- Status of Carbon Markets
- Trends
- Challenges and Opportunities
- Questions

ANSI ISO 14065 Program History



219-212

Passed



ANSI Program Recognition



- Ministère du Développement économique, de l'Innovation et de l'Exportation
- Fonds de la recherche en santé

CLIMATE
ACTION
RESERVE

The Climate Registry

RGGI Inc.



MINISTRY OF THE
ENVIRONMENT



American Carbon Registry®
Trusted solutions for the carbon market



Accredited VVBs

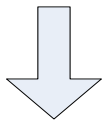
- 26 Accredited VVBs -
<https://www.ansica.org/wwwversion2/outside/GHGgeneral.asp?menuID=200>
- Accounting, engineering, sustainability and environmental consulting firms

Accreditation Process

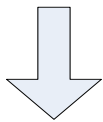


Application

V/VB applies as preliminary applicant



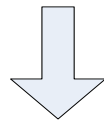
V/VB is accepted as applicant



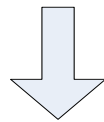
V/VB submits full application

Assessment

Desk Review



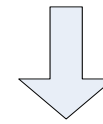
On-site assessment and witness assessment



Corrective action review and closure

Committee Action

GHG Committee Recommendation for Accreditation



Annual Surveillance

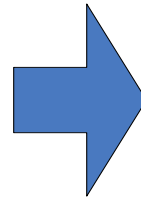
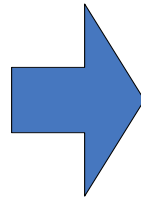
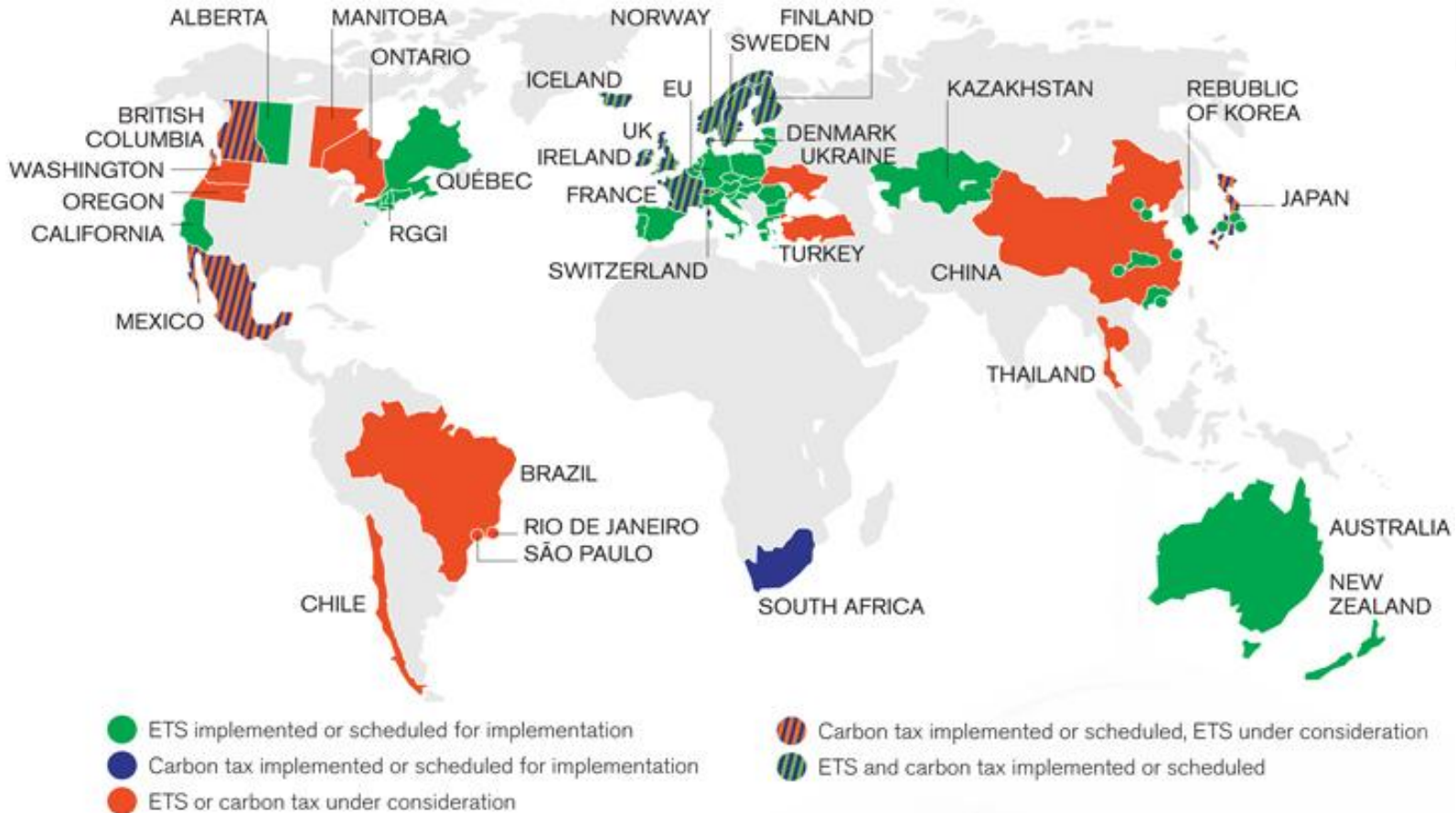




Figure 4: EUA and CER prices (2008–2013)



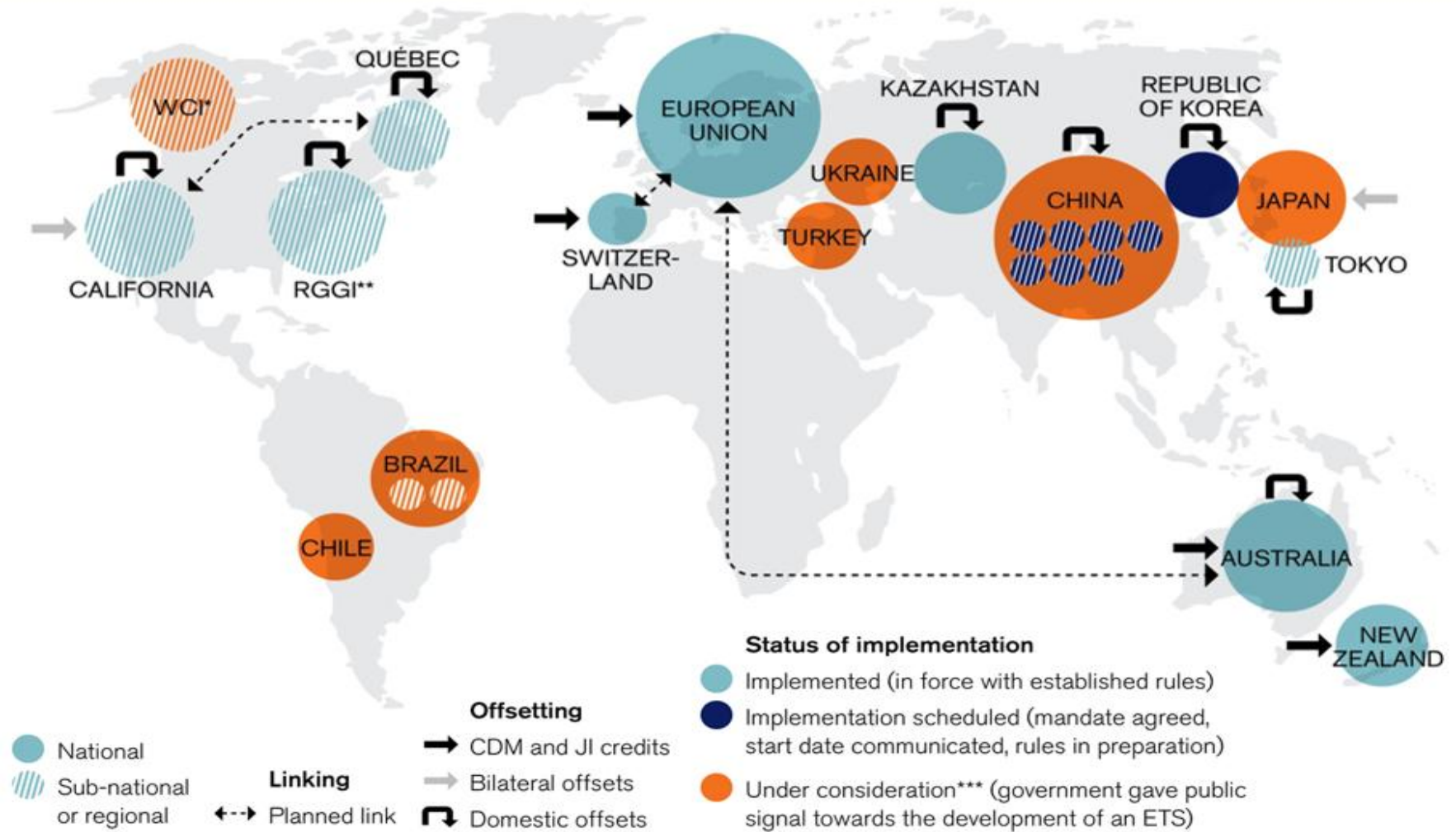
Global Growth Of Carbon Pricing



Source: World Bank Group – 2013

<http://www.worldbank.org/en/news/feature/2014/05/28/state-trends-report-tracks-global-growth-carbon-pricing>

Carbon initiatives are developing faster than ever



Source: World Bank Group – May 28, 2014 - <http://www.worldbank.org/en/news/feature/2014/05/28/state-trends-report-tracks-global-growth-carbon-pricing>

Accreditation Programs (operating and under development)



Status of Program

- CERs under JI and CDM in very limited demand
- New protocols and registries developed in different regions to supply domestic markets
- New programs (China, Mexico, Korea)
- Unclear how federal GHG regulations for power plants may impact the WCI program
- RGGI - strong potential for expansion as state(s) may join RGGI to comply with EPA regulations.



U.S. EPA's Clean Power Plan



- States are responsible for compliance with EPA targets
- Lots of flexibility
- Renewables, nuclear, and energy efficiency play key roles in state target setting and compliance
- State-by-State required reductions

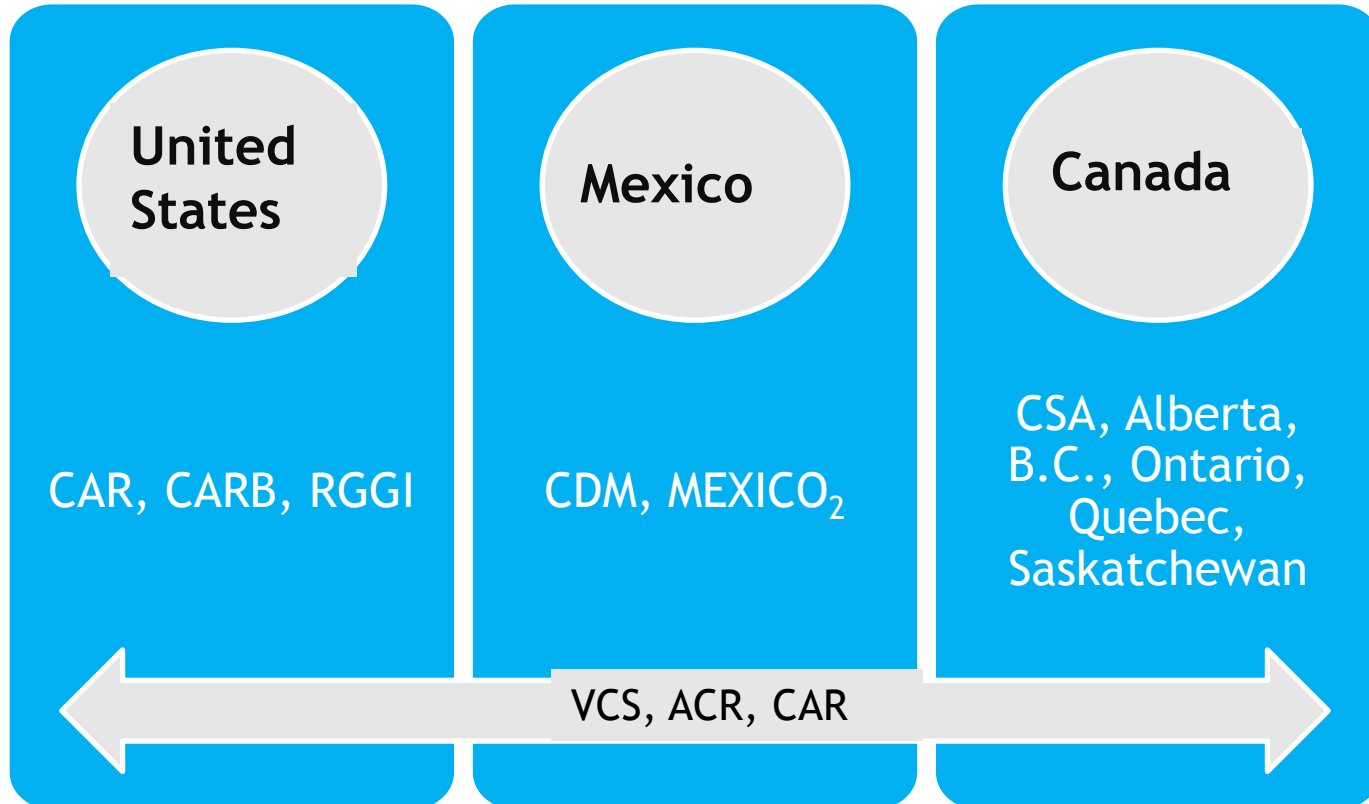
Trends



- Community-based projects - concept of “fairness” and “equity”
- Emphasis on forest projects
- Water



GHG Program Scope



Difficulties and Challenges of V/VBs



- Some GHG programs require lead verifier training by program
 - Even though a 8-hr class may qualify a person to be lead verifier (i.e. CAR), it still falls well short of meeting ANSI V&V body's internal competency requirements
- V&V body may need to learn 5-6 versions of the same type offset protocol such as landfill, livestock, or forestry; nuances can be subtle & confusing

Difficulties and Challenges of V/VBs



- Some GHG programs require validations while others do not
 - As a result, it's more difficult for V&V staff to attain validation experience
 - Programs like CAR (no validations) still require validation-type activities during verifications (start date, eligibility, etc.)
- Some GHG programs allow V&V body to approve any deviations to methodologies (i.e. VCS, PCT), while others allow very little expert judgment (i.e. CAR)

Difficulties and Challenges of V/VBs



“...those who are responsible for verification activities in association with GHG inventories or offset projects are often more on the scientific and technical side of the business rather than the financial side of the business which poses some difficulty in understanding the nature of reasonable assurance from the point of view of the depth of work that is required to achieve reasonable assurance (vs. limited assurance).”

Considerations for Accreditation Bodies



- Difficult for V/VBs to cope with costs in slow uncertain market
- ABs should build a framework capable of sharing of reports, developing cross-program assessor curriculum and expertise
- Work more closely with GHG programs on performance monitoring

ANSI Trends in NCRs - Inventory



- Failure of the VB to check changes in emissions from one year to the next
- Failure to adequately screen for potential COI
- Lack of detailed verification planning
- Lack of appropriate sampling
- Failure to properly assess organizational boundaries

ANSI Trends in NCRs - Project



- Failure to adequately validate the conservativeness of input values used in investment analysis
- No COI check with people or agencies involved in the project
- Details of sampling approach unclear
- Internal review process insufficient

ANSI Trends in NCRs - Onsite



- Internal audits are insufficient to prevent recurrence of previously cited NCRs
- Competency records not up-to-date
- COI process not being followed/documentated
- Validation verification process inconsistencies - lack of audit trail

The Future?

China to launch world's biggest carbon market in 2016

← [Asia](#), [Carbon Reduction](#), [Policy](#)

China is planning to roll out its national market in 2016 and the government is close to finalising rules for what will be the biggest emissions trading scheme in the world, according to officials on Sunday.

China is the world's biggest emitter of carbon emissions, accounting for nearly 30 per cent of global greenhouse gas (GHG) emissions and introducing the carbon scheme is designed to slow the rapid growth in



South Korea carbon market to go ahead as planned -MOE spokeswoman

Thu Aug 14, 2014 9:32am GMT

[Print](#) | [Single Page](#)

[\[-\] Text](#) [\[+\]](#)

Obama proposes biggest ever US push for carbon cuts

By Barney Jopson in Washington and Ed Crooks in New York

US greenhouse gas emissions
Tg (1 million metric tons) CO₂ equivalent



By Stian Reklef

Aug 14 (Reuters) - South Korea decided on Thursday that its carbon trading market will go ahead as planned on Jan. 1 of next year, despite the finance minister's calls last month for it to be delayed.

South Korea's scheme - the government's key policy to meet its targets of cutting greenhouse gas emissions in 2020 to 30 percent below business-as-usual levels - will be the world's second biggest carbon market when it launches.





for more information

Ann Bowles
Director
Environmental
Accreditation Programs
abowles@ansi.org

American National Standards Institute

Headquarters

1899 L Street, NW
11th Floor
Washington, DC 20036

T: 202.293.8020

F: 202.293.9287

New York Office

25 West 43rd Street
4th Floor
New York, NY 10036

T: 212.642.4900

F: 212.398.0023

www.ansi.org
webstore.ansi.org
www.nssn.org

