



# Forest Carbon Sequestration

**Forests make up over 30% of the world's land mass, and forestry experts and organizations around the world have recognized the importance and benefits of implementing sustainable forestry projects to mitigate the impact of climate change. But implementing a sustainable forestry project is just the beginning.**

Forest landowners, managers and carbon project developers around the world are taking steps to demonstrate their commitment to mitigating climate impacts by having their forestry carbon sequestration projects independently verified by an internationally recognized third party. LRQA has combined its international expertise with the forestry expertise of Forester's Co-Op (FCO) to provide specialized services for forest carbon projects.

## Independent Project Assurance and Technical Services

High quality independent project verification or forest project technical services from LRQA and FCO can help to ensure a premium value for your emission reduction credits in the carbon market.

In addition, LRQA and FCO verification offers a number of benefits, including:

- independent recognition of your organization's work to reduce greenhouse gas emissions
- transparent assurance of your organization's carbon offset claims
- the added credibility that comes with each verification statement issued by a world-renowned organization with over 250 years of technical assurance experience

Beyond verification, our forestry experts offer an array of specialized technical services for both domestic and international forest carbon projects, including:

- Project Validation
- Forest Project Technical Services
  - Pre-Verification Services
  - Forest Carbon Inventory Development
  - Forestry Project Baseline Development
  - Programmatic Baseline Comparative Analysis
  - Remote Sensing Temporal Monitoring of Forest Change
  - GIS Stratification & Mapping
  - Forest Growth and Yield Modeling
  - NEPA/CEQA Forest Vegetation GHG Environmental Impact Analysis
  - REDD and REDD+

## Benefits of choosing LRQA and FCO

Measuring, reporting and verifying a forest's capacity to sequester carbon requires the specialized technical expertise that LRQA and FCO offer to ensure the successful implementation of a project.

As one of the first greenhouse gas emissions verifiers in the U.S. voluntary carbon market, LRQA has extensive experience in carbon management and assurance. Our long history and relationship with many of the voluntary carbon offset registries and regulatory agencies responsible for development of emerging cap and trade markets in North America brings added value to each project, enabling us to help you bring your credits to market in a timely and efficient manner.

In addition, FCO has provided professional forest carbon technical services to domestic and international forest landowners for over ten years and they've worked closely with the voluntary carbon registries on development of forest project protocols, enabling first-hand insight into the forest project verification process.

**Over 55 million forestry related voluntary carbon offsets credits were transacted in 2010 with a collectively value of over \$175 million<sup>1</sup>. How many more will your project add?**



<sup>1</sup>State of the Voluntary Carbon Markets 2011, Ecosystem Marketplace & Bloomberg New Energy Finance, June 2011

## About LRQA

LRQA is a member of the Lloyd's Register Group and a leading Business Assurance provider delivering certification, validation, verification, customized assurance, training and select technical services to clients in more than 120 countries.

Within North America specifically, LRQA is one of the longest-standing accredited greenhouse gas verification bodies in the United States, and one of the first organizations to:

- attain American National Standards Institute (ANSI) accreditation for The Climate Registry
- verify emissions under the California Climate Action Registry General Reporting Protocol and Power and Utility Protocol
- become a leading accredited verifier for the California Air Resources Board greenhouse gas verification program

**With our expertise in both North American and global climate change, sustainability and environmental management, LRQA is uniquely positioned to offer insight and assurance to clients wherever they operate.**

### LRQA Business Assurance

Applying our unique methodology – LRQA Business Assurance, our goal is to first understand what really matters to your organization and your stakeholders. Then, we'll work with you to manage your climate change and sustainability challenges, systems and risks to improve and protect your current and future performance while adding value to your bottom line.

### Acting with integrity

We are independent and impartial in everything we do, and we're committed to acting with integrity and objectivity at all times. In addition, LRQA is recognized by over 45 independent accreditation bodies around the world, including the American National Standards Institute (ANSI) and the United Nations Framework Convention on Climate Change (UNFCCC).

### Technical expertise and thought leadership

Our experts are recognized voices in the industry and regularly participate in the technical committees that develop and improve standards. These include the International Standards Organization (ISO), International Emissions Trading Association (IETA), World Resources Institute (WRI), World Business Council for Sustainable Development (WBCSD), the Emissions Trading Group (ETG) and the Climate Action Reserve (CAR). We were also responsible for authoring the initial Voluntary Carbon Standard (VCS) and we are a founding member of the Designated Operational Entities and Independent Entities Association (DIA).

## Beyond Forestry

Around the world, LRQA's climate change, carbon assurance and sustainability services include the Clean Development Mechanism (CDM), Joint Implementation (JI), the EU Emissions Trading Scheme (EU ETS), ISO 14064, PAS 2050, CSR report verification, EN 16001, ISO 50001 and ISO 14001 as well as a range of regional and national standards and schemes. In addition, we can assist our clients with:

#### Technical Advisory Solutions:

- Sustainability Performance Measurement
- CSR Technical Services
- GHG Inventory Development
- Emissions Reduction Project Development
- Supply Chain Impact Analysis
- Scope 3 Accounting
- Carbon Market Business Assurance
- Water/Energy Nexus Assessments

#### Verification:

- GHG Verification
  - ISO 14064
  - The Climate Registry (TCR)
  - California Air Resources Board
  - Climate Action Reserve (CAR)
- Scope 3 Verification
- CSR Assurance
- Emissions Reduction Project Validation/Verification
- Water footprint Verification

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