

WESTCARB Annual Meeting
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Forest Carbon Sequestration Projects in Alaska Impediments & Obstacles

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Alaska and Climate Change

“While climate change is expected to affect different regions differently, experts expect the greatest impact to be seen in the Polar Regions” (Kattenberg et al. 1999)

“As such, the effect of climate exchange to Alaska should greatly exceed those to temperate regions of the world.” (Duvall, 2004)

WESTCARB objectives

- Research to inform decisions by policymakers, communities, and businesses on how to invest in geologic and terrestrial carbon sequestration for climate change mitigation
- Phase I: characterization of geologic and terrestrial potential across 6 states and 1 province
- Phase II: pilot projects
 - Afforestation/reforestation
 - Reducing emissions from wildfire (fuel reduction and biopower)
 - Forest management
 - Two geologic CCS pilots



Offset Project Opportunities - Alaska

- **Diesel Offset Program**
- **Wind farms**
- **Afforestation - marginal ag lands**
- **Reforestation:**
 - Restoration of bark beetle kill areas
 - Restoration of burnt over areas
- **Conservation-based forest management**
- **Avoided deforestation**
- **Reduced emissions from wildfire threat**

Obstacles - Impediments

- Knowledge of markets and registries
- Imagery – current
- GIS data
- Baseline inventory data – current
- Growth and yield models
- Project design and development expertise
- Monitoring and measurement protocols
- Methodologies
- Availability of remote sensing technologies
- Experienced and credible aggregators
- Experienced and credible verifiers

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For further information

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Project Design

- Assist clients in project design to incorporate or meet the criteria or standards of voluntary programs or registries; e.g., 1605 (b); CCX; VCS; RGGI; CCAR...



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