



Energy, Climate, & Sustainability Services



ASA provides scientific and engineering analyses for renewable energy, climate change, and sustainability projects. ASA defines sustainability as a mission in progressive practices that rapidly promote and apply sustainable institutional organization and business models--operating in a socially, economically, and environmentally sound manner. Among the most critical of today's sustainability issues in which ASA is an established leader is in renewable energy development and the challenges and risks associated with climate change. Since 1979, ASA has specialized in providing tools and technologies of quantitative analysis for the examination of natural environments and processes to ultimately minimize negative human impacts on the environment, ensure human health and safety, and enable sustainability.

Services & Capabilities

Areas of expertise include conceptual design, prospecting and siting studies, resource assessment, technical and economic feasibility evaluations, power production estimates, environmental impact assessments, and permitting assistance.

Energy, Climate & Sustainability services include:

- Offshore Energy Development
- Energy Resource Assessment
- Renewable Energy Feasibility
- Wind Energy Analysis
- Solar PV & Thermal Analyses
- Wave & Tidal Energy Analyses
- Meteorological Modeling & Data Assessment
- Inundation and Flooding Analysis
- Ecological Impact Assessment

Renewable Energy Development



ASA provides expert data collection and analysis of wind, solar, geothermal, and water parameters for the environmental and energy sectors. Our services offer clients a thorough understanding of the resources and

opportunities available for renewable energy and sustainable development while maximizing the use and minimizing the negative impact to natural environments. ASA applies a suite of custom-built GIS technology and data aggregation techniques as well as other core proprietary computer tools that enable successful and cost effective energy and environmental resource assessments in support of development projects.

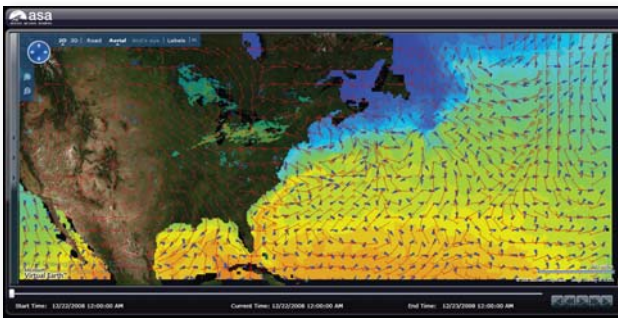
Climate Change Risk

ASA provides tools and services that yield analysis and functional answers to questions related to effects already occurring from changes in global climate patterns. Responding



to the growing need for impact analysis of extreme weather events that may be related to climate change and sea-level rise, ASA has developed and applies comprehensive new

technologies that can determine potential impacts from inundation and flooding to public safety and property.



ASA develops custom GIS tools and software that bring together data from various sources and formats for comprehensive analysis capabilities.

ASA is dedicated to providing innovative engineering and management services to create successful, environmentally sensitive, sustainable projects and cost effective regulatory compliance solutions for public and private clients throughout the world.