

# TrimTab 2016 Campaign

With the **TrimTab 2016** Campaign, GENI invites you to make an impact today. Your investment will help San Diego regional policy-makers, business leaders, and the public to address the region's most pressing challenges through this innovative non-profit organization.



\* The engineer [Buckminster Fuller](#) used the trim tab as a metaphor for making big changes with small effort. *“There’s a tiny rudder at the trailing edge of a large ship’s rudder called a trim tab. Moving the trim tab creates a low pressure that pulls the large rudder around, changing the ship’s course. It takes almost no effort at all. So I said that the individual can be a trim tab and make big course changes in the whole ship of state.”*  
Buckminster Fuller



## Leading the Way to Awareness, Insight and Action

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# TrimTab 2016 Campaign

What we decide and how we proceed will have an impact for generations.

The TrimTab 2016 Campaign allows GENI and the SimCenter to ‘Scale Up’ to make an impact both globally and locally.

For 30 years, **GENI Initiative** has been *accelerating the transition to renewables* by communicating this potential to world leaders. This work continues today by educating and shaping the leaders of tomorrow through:

- 100% Renewable Roadmaps
- GIS Map creation
- GENI Model

**The SimCenter**, GENI’s *physical space for visualizing sustainable solutions*, was launched in 2011 and has grown rapidly from an idea to a functioning prototype. This facility:

- Gives voice to environmental issues, highlighting their interconnected nature.
- Offers a replicable model for other cities, organizations and institutions
- As a high-tech visualization space, hosts notable subject matter experts on topics like transportation, renewable energy, water resources, climate change and more.
- Organizes programs such as:
  - Global Classroom
  - 100% Renewable San Diego
  - Green Scene

**TrimTab 2016 \$300,000**

## Campaign Goal \$300,000

- **Education \$100,000**  
Raising awareness and expertise among the public and students from all over the world.
- **Technology Upgrade \$50,000**  
Communicating options and solutions more effectively in the facility and online.
- **Building Capacity \$150,000**  
Building the team for greater impact.



TrimTab 2016 Campaign - *Leveraging Your Support to Make a Difference*

## SimCenter Programs Drive Positive Change

### Summer 2015 Global Classroom: GeoDesign

*Engineering the Transition to Renewable Energy and Clean Water for All*

The 4<sup>th</sup> Annual Summer Series trains the sustainability leaders of tomorrow! Students from around the world get immersed in sustainable development. Through this program, these young leaders gain experience in research, teamwork, presentations skills and critical thinking. Global Classroom participants present the outcome of their research bi-weekly all summer, each being recorded for future use by other organizations, cities and nations.

Over 100 international students in 4 years  
45 Events with over 500 attendees  
40 new video presentations on YouTube



### 100% Renewable San Diego

A partnership with San Diego Renewable Energy Society and three leading San Diego organizations to educate, engage, and advocate for action that will lead San Diego toward 100% clean and renewable resources. Monthly events with leading subject matter experts offer options and solutions for this transition.



12 high-caliber events annually with industry professionals and city leaders  
Compendium of best practices and action steps

### Green Scene

*How sustainable are we?*

Continuous monthly programing educates and explores our region's most urgent environmental challenges. Speakers include subject matter experts, leading researchers and decision-makers in their field, non-profit, government and business leaders. The program also includes a monthly documentary film night, cultivating environmental literacy and informed action. Through the Green Scene, the SimCenter acts as a "hub" for San Diego's sustainable and environmental sector.

Directory of 120 environmental organizations in San Diego County  
Current calendar of sustainability events around the region  
Over 70 subject matter experts from critical disciplines  
Over 2000 attendees



## TrimTab 2016 Campaign - *Leveraging Your Support to Make a Difference*

### GENI Initiative Accelerates the Transition to Renewables

#### 100% Renewable Roadmaps

Executive Summary research reports for nations and regions around the world, demonstrating the untapped renewable energy potential of their country. Publicized and marketed to world leaders, energy ministers, industry leaders and global influencers to catalyze every nation to fully develop this renewable potential.

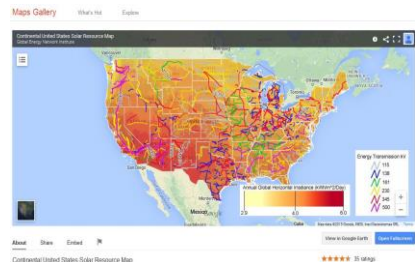
- 16 Road Maps for Regions and Countries
- A network of world leaders and industry professionals
- Exhibited at the World Energy Conference for past 25 years



#### GIS Renewable Maps

Utilizing state of the art mapping software (ESRI GIS, Google Earth, Open GIS software) to create and publish energy maps for nations and regions across the world. Through this program, GENI highlights each nation's solar, wind, geothermal and hydro potential capacity and the missing links to interconnect that power using high-voltage transmission within and between nations.

- 45 Layered Maps Generated
- 24 New GIS students trained
- Incorporated into 100% Renewable Roadmaps



#### GENI Model

##### *Accelerating the transition to renewables*

A computer-generated simulation that visualizes energy use for the planet in a 24 hour cycle. Utilizing a proprietary algorithm, GENI has been refining this model since 2012. The simulation incorporates population, pollution, and GDP, demonstrating the benefits of interconnecting grids across timezones. The purpose of this tool is to visually portray how the transition to 100% renewable energy is both technically feasible and economically desirable.

- Leading-edge thinking in energy cooperation around the world
- Contributes a unique visual tool for decision-makers

