

# invVEST School & Community Engagement Plan (SCEP)

## FOCUS ON:

SEI based education programs & projects for:

- K-12 Schools
- Colleges
- Communities

## Contact Us:

info@invest.org

## Visit Us:

www.invest.org

### invVEST Vision

Enabling Massive Scale Sustainable Energy for our world will generate the next long term growth engine while protecting our planet for our future generations to enjoy. **Together, we can!**

### invVEST Mission

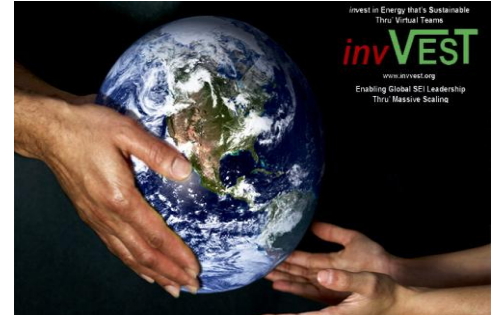
Enable Global Leadership for USA through Massive Scaling of SEI (Sustainable Energy Initiatives).

### invVEST Motto

Improve the Environment, Invigorate the Economy, Invest in Education: SCALE SUSTAINABLE ENERGY !

### invVEST Stands for

invest in Energy that's Sustainable through Virtual collaborative Teams



*“Transitioning to clean & economical Sustainable Energy is one of the most urgent tasks we all need to accomplish for the sake of our very next generation.*

*Awareness through education will be the game changer in affecting energy related behavior. I look forward to working closely with our educational institutions and communities.”*

*Probir, CEO invVEST*

## invVEST Charter for Schools & Communities:

- Create energy awareness in educational institutions and communities.
- Introduce & facilitate informal & formal curriculum for SEI in schools, colleges & our communities through joint initiatives with **invVEST**.
- Collaborate across county, state & federal programs as well as businesses & institutions (e.g., NREL, DOE).
- Activate behavior change by implementing energy efficiency pilot projects in educational institutions and communities.
- Provide best practices, tools, guidance to massively scale the pilots to schools & communities across the nation.
- Provide certification programs at different levels for Workforce Training.

## invVEST Education Ambassadors Charter

invVEST Education Ambassadors will:

- Be assigned to specific schools, colleges, communities.
- Mentor Student Ambassadors.
- Recruit parents/teachers from educational institutions and communities.
- Research educational resources that can be easily utilized.
- Publish training content & materials. Impart training.
- Research & facilitate funding / grants & donations for **invVEST** initiatives.
- Evangelize **invVEST** to start a viral grassroots movement for SEI.

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## CURRENT PILOTS:

### High Schools:

- Monarch High School, CO
- Fairview High School, CO

### Colleges:

- University of Denver, CO
- CU, Boulder
- Virginia Tech, VA
- SF University, CA
- Oxford University, UK
- University at Spain.
- AES, India

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## How Education Ambassadors Can Contribute:

- **Create awareness:** Spread the word about invVEST's goals.
- **Educate students & communities:**
  - Conduct events, meetings, presentations to educate citizens
  - Share energy conservation & efficiency tips.
- **Implement pilot projects** to get sustainability into our mindset:
  - Share the message during Morning Assembly / Freshmen Seminars
  - Promote events like Carpool-to-Work Day, Recycling Competitions
  - Conduct classroom activities like experiments to reduce energy use
  - Meet with PTA to plan & measure events
- **Affect curriculum** by embedding appropriate sustainability concepts into:
  - *Elementary Schools - Questioning/Interpretation Skills + Power of Knowledge:*
    - Knowledge of the environment
    - Humans use of the environment
    - Life cycle of finite resources
    - Types of energy & sources
  - *Interactions in ecosystem, energy use in food chain, conservation/ recycling/ depletion, renewable vs non-renewable sources*
  - *Middle Schools - Questioning/Interpretation Skills + Power of Knowledge + Skills for Analyzing/Investigating:*
    - Predict ad/disadvantages of energy types with respect to sustainability; science & technology impacts on the natural world with/examples
    - Survival challenge of species due to impact of humans on environment; factors involved and how organisms adjust in response
    - Climate change over time; conditions that impact the water cycle
  - *High Schools - Questioning/Interpretation Skills + Power of Knowledge + Skills for Analyzing/Investigating:*
    - Physical Sciences and the benefits, limitations, costs, consequences of technology on resources
    - Earth Space & Geophysical Science and fossil fuels, renewable fuels (e.g., solar, wind, nuclear, biofuel, hydro, thermal etc with their pros & cons) discovery to disposal, flux within ecosystem, solar energy on earth & ocean, ocean currents impact on weather
    - Biology and the bio-diversity; the effects due to advances in biotechnology; effects of Xrays/genetic modifications/microscopes on ecosystem.
    - Chemistry and the analysis of biofuels, nanotechnology, fuel cells natural gas, agricultural chemicals and their effect on the environment.
    - Physics and the reasons behind weather phenomena; new technological advances to understand ecological processes.
- **Provide training & certification** for Workforce:
  - Executive certification
  - Programs & Workshops
- **Collaborate with Local, State, Federal programs & private institutions** (NREL, GEO, PUC, DOE) to accomplish objectives.
- **Provide best practices, tools & guidelines for MASSIVE SCALING** the efforts from pilots to schools and colleges across the nation.

## Startup Steps:

- If you are interested, email [info@invvest.org](mailto:info@invvest.org) . If we choose to work together:
- Please bookmark site below & update your Contact Information there (you will need to create a personal Google account to do this):  
<http://spreadsheets.google.com/ccc?key=rmEQOHu8yagONLiRF6b5pNg>
- Encourage your family & friends to “Please Support Us” on [www.invvest.org](http://www.invvest.org)
- Send us a short bio & photo for the site. Begin work on your goals for the quarter.