

Energy



Manifesto!

Conference of Youth

#COY11 - PARIS 2015

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Positions :

- ▶ The Youth is reaffirming the fundamental right of everyone to have access to energy. Recognizing the need to transform our current energy system from fossil fuels into renewable energy and also developing better modes of transport.
- ▶ Further recognizing the need to implement stronger energy efficiency protocols while also concentrating on energy sobriety.
- ▶ Reminding that, according to the United Nation's Framework Convention on Climate Change (1992), developed countries should assist developing countries through technology transfer and financial aid to carry out projects aimed at establishing a sustainable energy matrix.
- ▶ Pledging for a commitment of States for an energy transition, through public policies, market formation, facilitating and encouraging individual initiatives of clean energy production.
- ▶ Emphasizing the need for collaboration between public, private stakeholders and the local communities to develop a more robust energy system and network.
- ▶ Further emphasizing the need for the below proposed recommendations to be deployed at a more local level, with more local insights and involvement.

Recommendations and actions :

- GENERAL -

Investment in Research and Development of clean energy production, smart grids, smart cities, smart metering, with an emphasis on storage technologies and materials.

Improve energy efficiency in the production, storage, transmission, and consumption fields through direct policy actions and aggressive technical advances.

Educate the public, especially the youth, about the challenges that are involved with our current energy system and the solutions that renewable energy technologies have to offer.

Public awareness campaigns regarding the plans and mechanisms that encourage consumers to use green technology.

Create a robust periodical review process for the impact of implemented policies.

Collect more data to perform more analysis to identify renewable energy potential, spatial landscape design for renewable energy at a local level and improving resource assessment tools.

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- ENERGY PRODUCTION -

Reduce costs of clean energy technologies by :

Enacting policies that incentivise massive investments in clean energy systems
Subsidising energy for consumers through locally oriented innovative regulations.

Actively dis-incentivise consumers from using fossil fuel energy through appropriate policy mechanisms.

Remove fossil fuel subsidies in the near future and reallocate them to clean energy.

Incorporate externalities of all energy industries into their respective business models.

Create a roadmap for a sustainable transition from shutting down old (1st generation) energy systems to seeking new and better alternatives.

Concentrate on a decentralized production of energy as a prime model of localized transition.

- ENERGY TRANSMISSION & STORAGE -

Reinforce the present grid to cope with local, intermittent energy technologies and bi-directional flows of energy in a more efficient manner.

Start a transition to smart grids over time using smart meters as a support technology.

Improve the deployment of energy storage system in countries through policy mechanisms wherein consumers and producers are in a win-win situation.

Improve collaboration between neighbouring countries to support the energy network.

Support the concept of micro grids for localized production by communicating with relevant local stakeholders.

- ENERGY CONSUMPTION -

► Buildings and Services (Private, Public) :

Offer tax break benefits to encourage refurbishment of existing buildings in terms of insulation, ventilation, heating/cooling system, energy monitoring, use of clean energy, lighting, to name a few.

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Implement stronger standards for new building designs and engineering requirements that are aimed towards low energy consumption and environmental friendliness.

Make renewables mandatory for government infrastructures and thus spending public money more appropriately.

Ensure all public outdoor lighting to comply with Zero Light Pollution standards using sensor technologies thereby saving energy.

► Industries

Make 100% renewable or an equivalent carbon offset program mandatory for all polluting industries.

Make energy audits more stringent with an aim to reduce energy consumption and promote greener sources of energy.

► Transport

Promote construction of efficient public transport infrastructure.

Add a reward or incentive for citizens to use public transport.

Promote alternative vehicle technologies that have lower emissions coupled with improving efficiency and their respective support infrastructure.

Labelling initiatives for vehicles based on their emissions and energy efficiency.

Create regulations to limit cars in cities.

Oriented taxes on fuels facilities (as diesel/petrol for cars).

Promote efficient bike networks and associated infrastructure.

Limit private commute and encourage an integrated model of private and public transportation by creating large parking areas at public transportation stations thereby.

► Individual actions

Reduce energy consumption by using low energy consuming home appliances.

Choose eco-friendly buildings.

Integrate small scale Renewable Energy into the building.

Choose a green utility provider.

Refurbish their residences appropriately.

Choose a bank which doesn't subsidise fossil fuels.

Encourage eco-friendly transportation lifestyle : carpooling, biking.