



# Sustainable Growth of Asia and the Pacific



Presentation by Ken Hickson  
APO World Conference on Green Productivity  
Taipei, Taiwan  
4-6 November 2014

# Sustainable Growth of Asia and the Pacific: Progress Report on the Taipei Outcome Document



What progress has been made in Asia Pacific since the Taipei Outcome Document - “Achieving Sustainability to Empower Future Generations” - was produced in March 2014. It covered three key areas

- A. Sustainable Energy for All
- B. Sustainable Consumption & Production
- C. Sustainable Cities: Smart, Liveable & Resilient

Progress in the region:

Japan      Singapore      Thailand  
Taiwan      Malaysia      Indonesia  
Philippines      Vietnam      India

Where to for the future?





# A. Creating an Energy Future Sustainable for All

**Action 1.: Set targets for cities and countries to meet at least 20% from renewable sources by 2020**

**Action 2: Set targets for 20% improvement in energy efficiency by 2020**

**Action 3: Greater participation & partnerships for all stakeholders for sustainable energy for all**

**Action 4: Adoption of low carbon technologies & energy management initiatives**



## B. Promoting Sustainable Consumption and Production

**Action 5: Governments need to set examples for green purchasing & procurement**

**Action 6: Importance of design & production of sustainable products & services by business**

**Action 7: Encourage public-private partnerships to promote sustainable products among consumers**







## C. Building Resilience into Sustainable, Smart & Livable cities

**Action 8: Develop benchmarks & best practices for resilient, sustainable, smart & livable cities**

**Action 9: Encourage test bedding projects with public-private partnerships**

**Action 10: Introduce sustainable technologies & transport in urban areas**



# Promotion of the Outcome Document & Action Items (April to October):



Solar Glow at Gintech,  
Taiwan

## Articles in international online media-

[www.asiaisgreen.com](http://www.asiaisgreen.com), [www.eco-business.com](http://www.eco-business.com),  
[www.abccarbon.com](http://www.abccarbon.com), [www.cleanbiz.asia](http://www.cleanbiz.asia),  
[www.anashell.com](http://www.anashell.com), [www.blueandgreentomorrow.com](http://www.blueandgreentomorrow.com)

- **Reporting back to Governments and Networks** – Singapore, Australia, ABC Carbon/SASA, IGPN, Blue Economy,
- **Speaking at Conferences and Forums** – Green Growth & Business Forum (Singapore), APO Green Energy (Taiwan), CleanTech Marketplace Asia Pacific (Singapore), Munakata Eco-100 International Forum (Japan)





# Japan



- The Green Purchasing Law: Procurement of recycled products by the national government on its own initiative.
- Promotion of Eco Mark
- Green Buildings & emission trading scheme for Tokyo
- Work of WWF, U Brain TV,
- Sustainability consultant – Daisuke Goto - Ideaship



# Taiwan



Best practice in waste management, recycling, traffic management, energy efficiency, green productivity and green products

Overseas promotion of green products and services



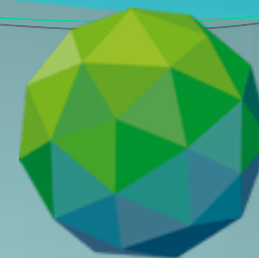


# South Korea



Korea was among the first countries to embrace green growth as a national development strategy.

- 80% of its fiscal stimulus plan to green growth projects
- Investing US\$85 billion in clean energy technologies and implementing its green growth
- Reducing its greenhouse gas emissions 30% by 2020.
- Building 1 million green homes by 2020.



GREEN  
CLIMATE  
FUND





# Singapore

**Singapore Construction Productivity Week focused on more productive, innovative and advanced building solutions**

**Singapore Solar Plan – 20% of electricity from Solar**

**Energy Efficiency & Building Performance**



**Island from waste to energy**





# Malaysia



Leadership in promoting green building, sustainable urban planning, car free days, green products and sustainable consumption



**Car Free Morning Is Back!**  
3rd Edition

**Sunday, 2nd Mar 2014 | Flag Off : 7:00 am**  
Dataran DBKL, Jalan Raja Laut, Kuala Lumpur

**Go Green Campaign**  
Jump-start the first Sunday of each month with cycling, jogging, walking or even skating on major streets of Kuala Lumpur Golden Triangle along with thousands of others. Mark your 2014 calendar for healthy weekend and participate in the Go Green KL Car-Free Morning. It's a BIG LIVELY Sunday morning you don't want to miss!

**Assemble @Dataran DBKL 6:00am**

log in to [www.klcarfreemorning.com](http://www.klcarfreemorning.com)  
for international or foreign participant please register @asiatourismalliance.com

Walk in registration are welcome  
Lucky draw coupon will be distributed from 6:00am

**Sports Activities**  
Art Lane  
Entertainment  
Sales Booth  
Busking  
Street Performance  
Drawing Contest

**Car Free Morning Route (7km)**  
Road Close from 7:00am-9:00am

**Event Partner**  
WARISANASIA  
AsiaTourismAlliance.com

**Lucky Draw Prizes**  
**Go Green Parade**  
**Free Registration**



# Indonesia



- New President's commitment to cut fossil fuel subsidy
- Renewable energy – feed in tariffs
- New investments in for mini hydro, solar and wind projects
- Green Buildings on the way



- Promotion of Energy Efficiency



Masyarakat Konservasi dan  
Efisiensi Energi Indonesia  
(MASKEEI)  
Indonesia Energy Conservation  
and Efficiency Society (IECES)

27-28 Nov 2014 – Ministry of Infrastructure  
Public Works Building, ShantPattimura Rd, Jakarta

ENERGY RESILIENCE AND EFFICIENCY  
FOR  
OUR SUSTAINABLE FUTURE



Ministry of Infrastructure/  
Public Works



Ministry of Energy and  
Mineral Resources

Schneider  
Electric

TÜVRheinland



International Green Purchasing Network





# Thailand



Renewable  
Future:  
Energy now  
cheaper to  
produce from  
solar, wind, hydro  
than from  
imported fossil  
fuels.

Armstrong  
The Blue Circle

# Philippines

Vast geothermal resources,  
providing  
20% of  
electricity



Philippines: Electricity comes cheaper from solar than coal

Rooftop solar is getting a boost from the top in the Philippines and for very good reason. Not only does it turn out to produce electricity for a much lower cost than from coal, says Secretary for Energy Carlos Jericho Petilla but solar home owners can sell excess power back to the grid and receive credits that lower their utility bills. Adding more solar power to the mix also helps the country reduce its dependence on imported fossil fuels.  
[Read More](#)







India

Renewables:  
Biomass Biofuels  
Solar Hydro  
Waste to Energy  
compete with:  
Coal,  
Oil  
Gas





Vietnam

Hydro

Solar

Wind

Waste to energy

Biomass

Bio Fuel



The Blue Circle receives  
USAID funding for its first  
meteorological tower in  
Vietnam -  
[www.thebluecircle.sg](http://www.thebluecircle.sg)





# Cambodia

Wind  
Hydro  
Solar  
Biomass



Electric buses to transport tourists to Angkor Wat







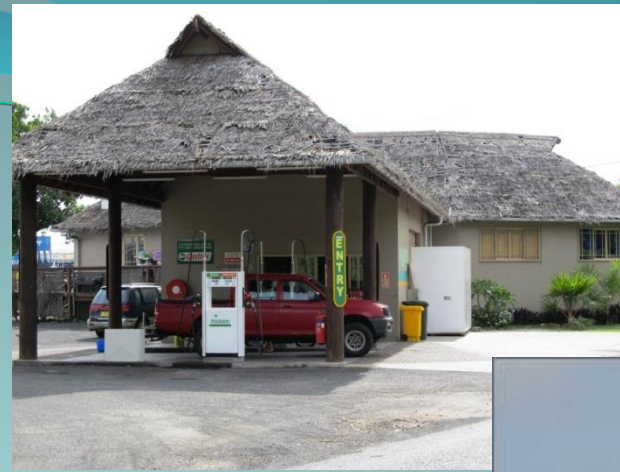
The IPCC 4th assessment report identifies small island states as being the most vulnerable countries of the world to the adverse impacts of climate change.

The Pacific is in fact without a doubt one of the world's most vulnerable regions when it comes to risk of disaster due to climate change, particularly several of the low-lying coral islands.

Climate change is already affecting Pacific Islands with dramatic revenue loss across sectors such as agriculture, water resources, forestry, tourism and other industry-related sectors.

# Pacific islands: Irena Report 2013

- Power generation from a variety RE resources are price competitive with diesel generators that currently dominate the region's power sector.
- Electric vehicles are the best technology currently available for transport but require deployment of large RE power generation to offset fuel consumption.
- Many energy efficiency efforts can be rapidly deployed leading to immediately reduced diesel consumption that frees up additional funding for RE projects.



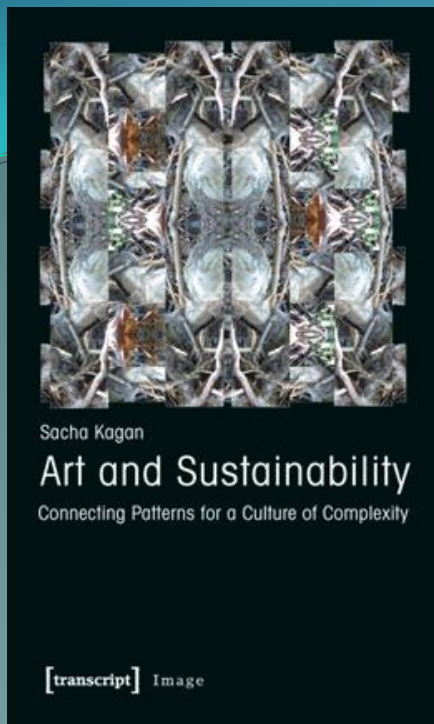


The past  
is coal  
fired  
power  
stations

Coming clean for the  
future - - wave energy,  
wind, tidal, solar, hydro,  
geothermal and bio fuel.







ICN Business School Paris Lodron  
Chaire Art & Sustainable Enterprise  
CEREFIGE Centre Français de Recherche en Économie Théorique et Quantitative des Économies

vous invitent au **Midi de la Recherche**

**"Aesthetics of Sustainability:  
Fostering a sensibility to complexity"**  
By Dr. Sacha Kagan

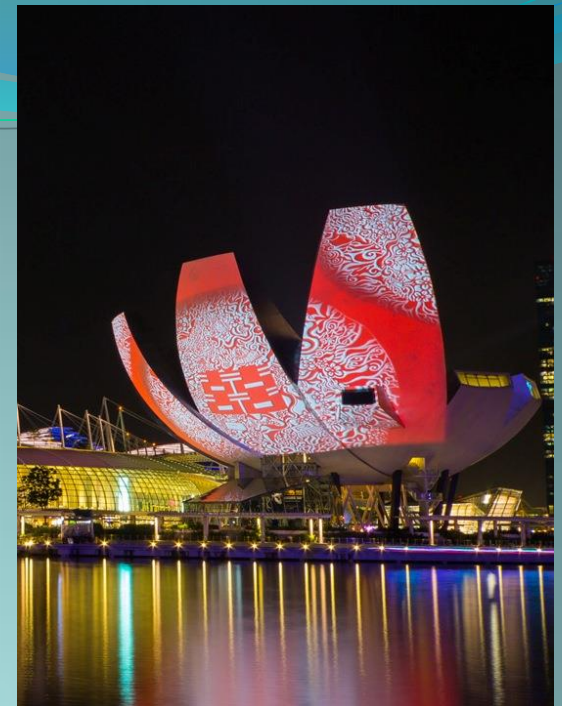
Wednesday, 8th June 2011 | 13:00 to 15:00 | Room 342 (PLG)

**ABOUT THE TOPIC...**  
Away from mainstream understandings of the modern individual artist and of aesthetics, the emergence of cultures of sustainability may be facilitated by artistic thinking and practices based on a sensibility to complexity, combining insights from John Devey's aesthetics, Gregory Bateson's "sensibility to the pattern which connects", David Abram's "animistic phenomenology" and Edgar Morin and Basarab Nicolescu's transdisciplinary perspectives on complexity. The relevance of these theoretical insights will also be illustrated with an example from the field of ecological art.  
This presentation will be summarizing a few of the topics analyzed in Sacha Kagan's upcoming book: "Art and Sustainability: Connecting Patterns for a Culture of Complexity, transcript Verlag, 2011".

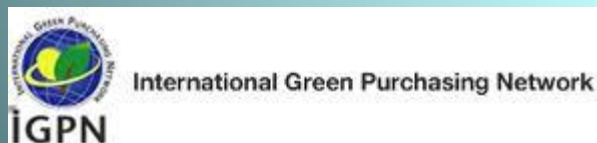
Following the presentation, a systems thinking game called "triangles" (designed by Linda Booth-Sweeney and Dennis Meadows) will be played with the participants. The game will allow us to glimpse at an embodied cognition of complex systems.

**ABOUT DR. DES. SACHA KAGAN...**  
Research Associate at the Institute of Cultural Theory, Research and the Arts (ICRA/IKK), Leuphana University Lüneburg, Sacha Kagan founded the International level of Cultura21, Network for Cultures of Sustainability, as well as the International Summer School of Arts and Sciences for Sustainability in Social Transformation (ASSiST). The focus of his research and cultural work lies in the trans-disciplinary field of arts and (un-)sustainability. M.A. in Cultural Economics (Erasmus University Rotterdam), Graduate of Sciences Po Bordeaux, teaching sociology of culture and the arts, he completed in 2011 his PhD defense with summa cum laude at the Leuphana University Lüneburg, with a thesis on the subject of culture, the arts and sustainability under the perspective of complexity. Personal website at: <http://sachakagan.wordpress.com>

Entrée libre et gratuite  
Inscriptions via ce lien : <http://sphinx.icn-groupe.fr/recherche/inscriptionmidi/rechskagan/questionnaire.htm>



# Let artists shape a resilient city



We need artists, writers,  
journalists, businesses,  
universities.  
Creative and committed  
communicators.

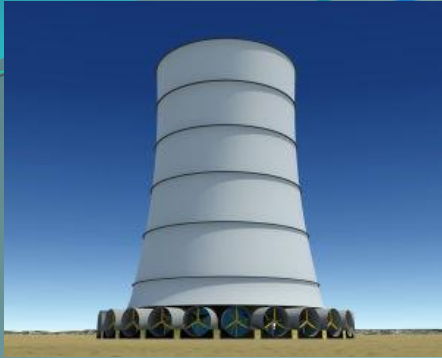
- We have the solutions.
- We have the answers.
- We need the will.
- We need to switch to a low carbon world.
- We need to stop the burning  
– trees, coal, oil and gas.



We need to see the light.  
We need to come clean.







*Interface®*

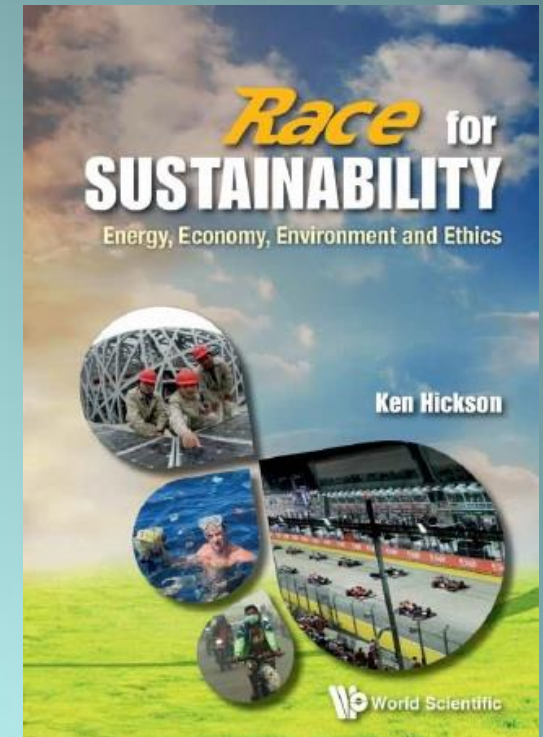


## Mission Zero: Towards a more sustainable way of Business

In 1994, Interface Founder Ray Anderson challenged us to pursue a bold new vision: "Be the first company that, by its deeds, shows the entire world what sustainability is in all its dimensions: people, process, product, place and profits – and in doing so, become restorative through the power of influence". The Interface journey toward sustainability has been a momentous shift in the way we operate our business and see the world. Move through these pages for a closer look at our progress, and find out how to get involved in our Mission Zero® journey.







[Kenhickson@sustain-ability-showcase.com](mailto:Kenhickson@sustain-ability-showcase.com)

