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# Symposium:

# HPH and Environment



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Coordinator, Taiwan HPH Network



# HPH & Environment

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## Program

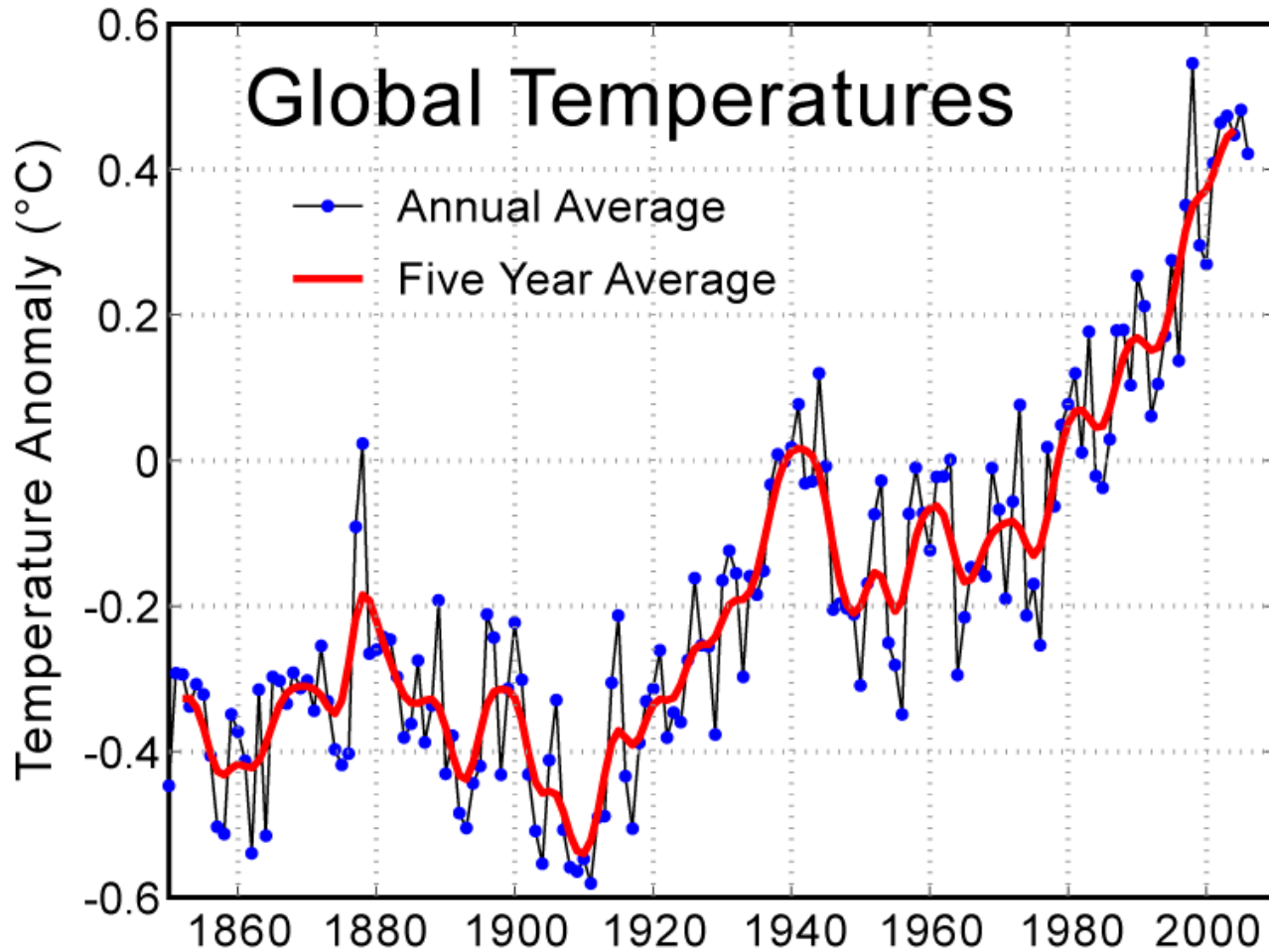
- 1. Background and status for the task force - Shu-Ti Chiou (10min)**
- 2. HPH & Environment from the WHO perspective - Susan Wilburn (15min)**
- 3. HPH & Environment from a NGO perspective - Gary Cohen (15min)**
- 4. Good examples on practise (30 min)**
  - TzuChi Hospital - Chin-Lon Lin**
  - Alexandra Hospital - Gladys Wong**
  - Health and Environment Alliance - Pendo Maro**
- 5. Discussion: Terms of reference and activites for an HPH Task Force Application - Hanne Tønnesen (20 min)**

# Background and Status for the Task Force

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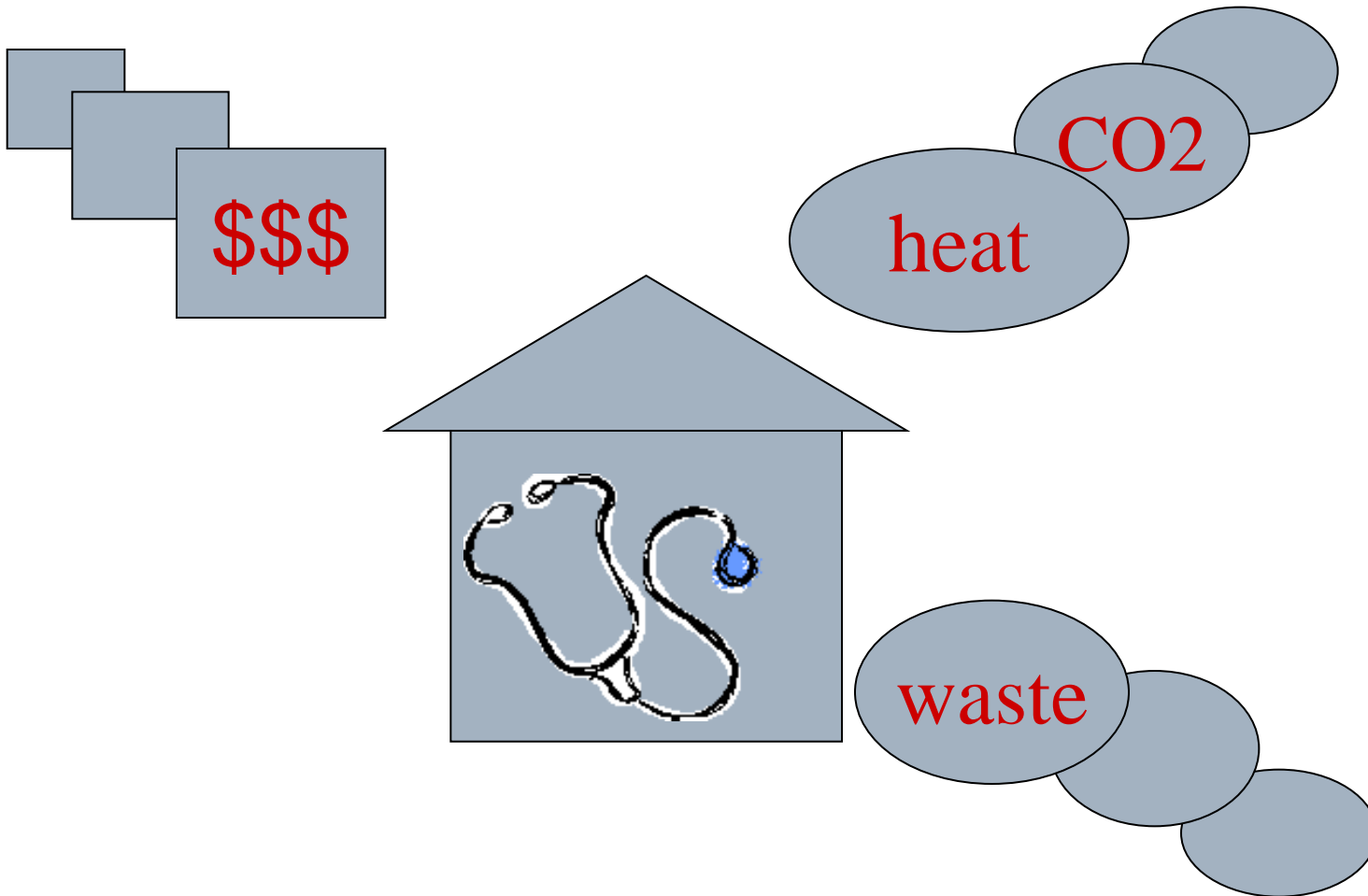
- Background
  - The Call from UN
  - A Climate-Friendly Hospital
  - WHO collaborate with HCWH
- Status for the working group
  - Pre-working group
  - Members of Working Group
  - Vision of The Working Group

# A Febrile Globe...



# Inconvenient Secrets...

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# Healthcare's climate footprint

Healthy Hospitals – Healthy Planet – Healthy People | Addressing climate change in health care settings  
A discussion draft paper published by the World Health Organization and Health Care Without Harm

- Brazil: hospitals account for 10.6% of the country's total commercial energy consumption.
- US: health-care buildings are the second most energy-intensive commercial sector buildings;
  - the health sector spends US\$ 8.5 billion on energy every year to meet patient needs, and
  - hospitals use about twice as much total energy per square foot as traditional office space.
- England NHS: more than 18 million tonnes of CO<sub>2</sub> each year – 25% of total public sector emissions.

# We might be harming the community we serve...

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- US, Environmental Protection Agency (EPA),
  - the US health sector's 73 billion kWh “conventional” electricity use adds over US\$ 600 million per year in increased health costs – including increases in asthma, respiratory illness and hospital emergency department visits.
  - the US sector's 341 trillion BTUs (or British thermal units) for heat and cooling contributes to even more polluting emissions, adding billions of dollars more in health-care bills and hundreds of billions more in indirect costs to society

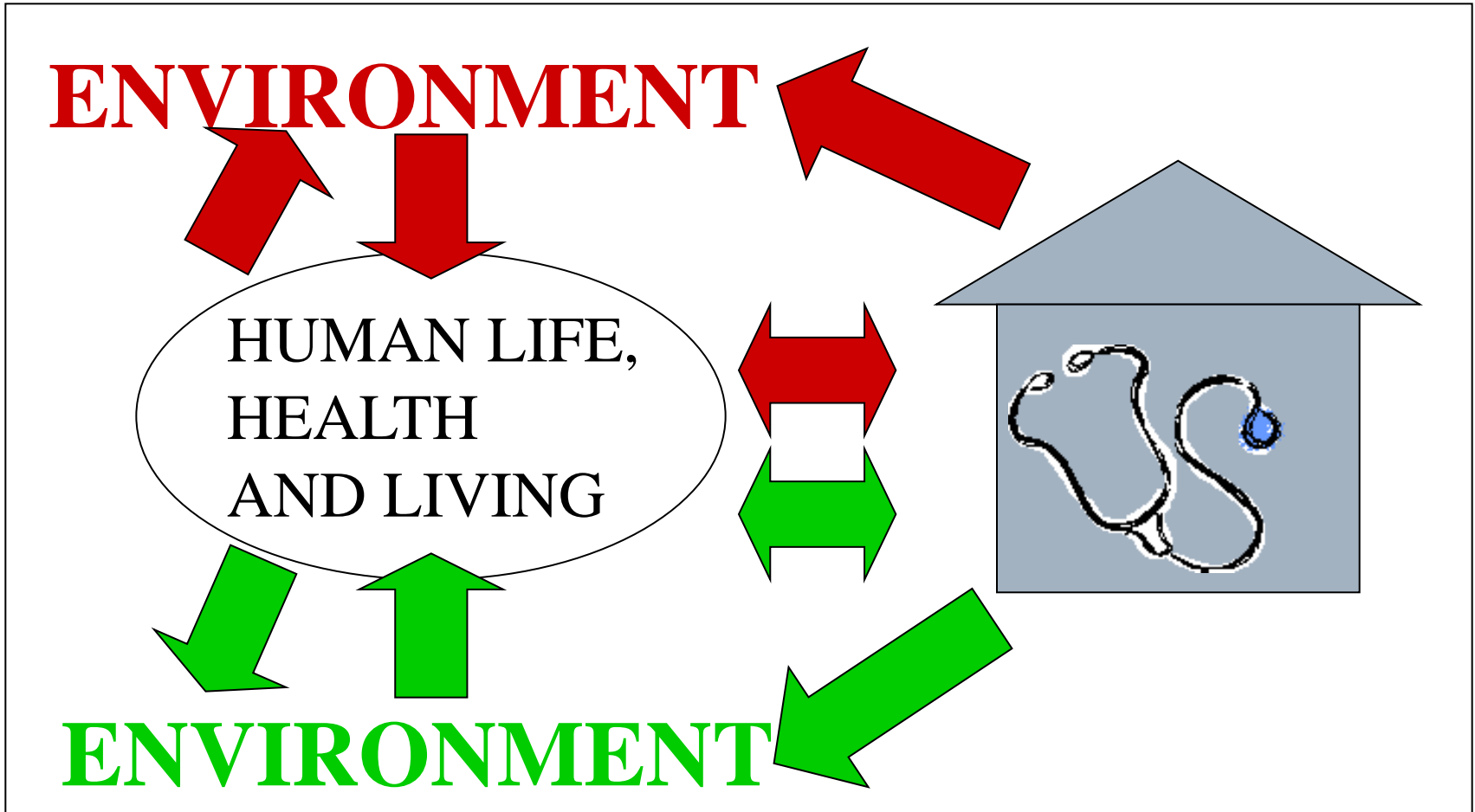
# Waste of \$\$\$...

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- If a large modern hospital in a tropical region of a small South American country was constructed without following traditional ventilation and lighting practice, the facility became a heat sink that required huge inputs of energy for cooling, so resources that would otherwise have gone to health care had to be used to pay the power bill.



# “Be the change you want to see in the world” !



# Background : The Call from UN

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- UN Climate Change Conference (COP 15) in Copenhagen in 2009
  - International agreements and financing mechanism should promote **ecological sustainability and public health** by supporting **climate change mitigation** by the health sector throughout the world.

# A Climate-Friendly Hospital

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- Health sectors can play a leadership role in mitigating climate change
  - Create a series of health, economic and social co-benefits
  - Climate –friendly technologies can improve the quality of primary care

# A WIN-WIN-WIN APPROACH

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- WHAT IS GOOD FOR ENVIRONMENT IS ALSO GOOD FOR HEALTH.
- WHAT IS GOOD FOR HEALTH CAN ALSO BE GOOD FOR ENVIRONMENT
- WHAT IS GOOD FOR ENVIRONMENT AND HEALTH IS ALSO GOOD FOR HEALTHCARE ORGANIZATIONS

# A Climate-Friendly Hospital

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- Health professionals can help lead the world in addressing climate change

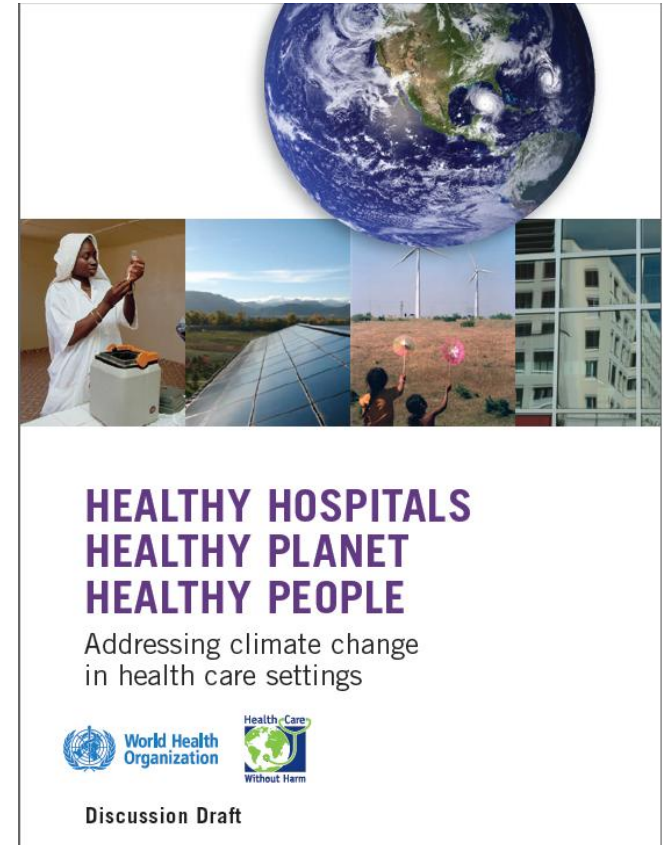
# HCWH

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- The international coalition of “Health Care Without Harm” began in 1996 and now has more than 470 organizations in 52 countries working on transforming the health care sector to become a no-harm source for human beings.
- “Green guide for health care” initiated in 2002 offered toolkits for green health building and operation.

# WHO collaborated with HCWH

- The first step aimed at addressing the climate footprint of the health sector
- A second step, together with HCWH, the Health and Environment Alliance (HEAL) and other INGO and NGO, will be a series of consultations that will lead to **the establishment of a global network for climate-friendly health care.**



# Seven Elements of a Climate-Friendly Hospital

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- Energy efficiency
  - Green building design
  - Alternative energy generation
  - Transportation
  - Food
  - Waste
  - Water



# Global Network for Climate-Friendly Health Care

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- To emphasize the health, economic and social co-benefits of climate mitigation that can be achieved
- To create a global framework for policy-related activities

# HPH and Environment

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- Environment and Community has been one of HPH's main areas of concern
  - patients and their relatives,
  - staff and their relatives,
  - **community,**
  - the organization itself

# Pre-working group

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- In 2009 November, the Governance Board approved the pre-working group on “HPH and Environment”
- Expected to put forward a proposal for working group or Task Force at 2010 HPH General Assembly
- Taiwan Coordinator, ST Chiou, also a member of HPH Network GB, was commissioned to lead the pre-working group

# Members of (Pre-)Working Group

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- **Prof. Hanne Tønnesen**, WHO-CC, Bispebjerg University Hospital, Denmark (CEO, HPH Secretariat)
- **Dr. Shu-Ti Chiou**, Director-General, Bureau of Health Promotion, Department of Health, Taiwan (GB Vice Chair)
- **Susan Wilburn**, Technical officer, Occupational and Environmental Health, Department of Public Health and Environment, WHO
- **Dr. Gary Cohen**, Co-Executive Director, Health Care Without Harm
- **Dr. Michael Wong**, Director, Health for Life Center, Alexander Hospital, Singapore (HPH Member)
- **Dr. Chun-Lon Lin**, CEO, Tzuchi Medical Mission, Tzuchi Compassionate Foundation, Taiwan (HPH Member)

# Tasks done

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- Taiwan Bureau of Health Promotion supported the funding and commissioned Buddhist Dalin Tzu Chi Hospital to work with the Bureau and the International Secretariat of HPH
- A symposium was organized; the experts and pilot hospitals are invited to come together
- Members discussed through emailing one another
- A draft of TF was formed and sent to 2010 General Assembly, now passed on April 14.

# Terms of References

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1. **Visualizing** environment-related health promotion issues in existing HPH Models and Tools
2. Giving **examples on best evidence practice** related to HPH Models and Tools
3. Developing **tools for monitoring the effect** of environment friendly intervention programs
4. **Disseminating the best practice examples** and HPH Models and Tools through the network and increasing the health professionals literacy about climate change and health impacts
5. **Establishing a database** for environmental friendly hospitals and health services programs

# Evaluation and Funding

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- To deliver the evaluation annually to the Governance Board and to the General assembly as well as on request
- Self-financed

善待環境，就是善待自己

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**Your Comments are  
most appreciated!**

