



Sfu-Ti

The Role of the Health Sector in Mitigating Climate Change

Shu-Ti Chiou M.D., Ph.D., M.Sc.

Vice Chair, International Network of Health Promoting Hospitals and Health Services
Chair, International Task Force on Health Promoting Hospitals and Environment
Director-General, Bureau of Health Promotion, Department of Health, Taiwan



The Role of the Health Sector in Mitigating Climate Change

- Environment benefit and co-benefits by health sector
- Actions at the **global** level
- Actions at the **national** level
- Actions at the **organizational** level
- The way forward



Sfu-Ti

Environment benefit and environment co-benefits by health sector



Health care and CO2 emissions



Health sector and climate change

From **harm producer** to
harm manager and **harm remover**



Health sector and climate change

1. Identify and manage health impact of climate change
2. Take the leadership for community actions against climate crisis by
 - Raising the **public awareness** of climate crisis;
 - **Leading by example**: reduce health sector's CO2 emissions by green design and green practices (**environment benefit**);
 - Promoting healthy living (healthy eating, green transportation, breastfeeding) and producing **environment co-benefit** at the same time;
 - Reducing healthcare utilization by health promotion and disease prevention, and hence reducing CO2 emissions (**indirect environment co-benefit**)



Health sector as a power actor

- **Credible voice** on health-related issues
- **Contact with people** (ex. in Taiwan, 92% of the population utilized health services within 1 year)



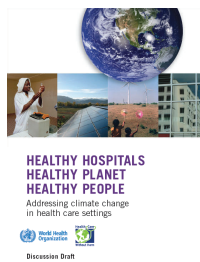
Actions at the **global** level: Task Force on HPH & Environment



WHO and HCWH

Sfu-Ti

- Published “Healthy Hospitals, Healthy Planet, Healthy People” in 2008, addressing healthcare facilities’ impact on climate changes and their opportunity to help lead the fight against it.
- The future goal is to develop the **Global Network for Climate-friendly Health Care** through the collaboration between WHO, Health Care Without Harm, the Health and Environment Alliance (HEAL), and other NGOs.



International Network of Health Promoting Hospitals and Health Services

Sfu-Ti

- A model and network **initiated by WHO**
- **More than 800 member hospitals** distributed in 5 continents; Taiwan, 2nd biggest with 72 members
- In 2010, “**Task Force on HPH & Environment**” was approved by the general assembly of the International Network of Health Promoting Hospitals and Health Services, **with joint support from WHO and HCWH**



International Network of
Health
Promoting
Hospitals & Health Services



Task Force on “HPH & Environment”

Sfu-Ti

Task Force Members :

leadership

- **Chair and coordinator: Dr. Shu-Ti Chiou**, Vice Chair of GB, International Network of HPH; Director-General, Bureau of Health Promotion, Taiwan
- **Prof. Hanne Tonnesen**, Director of WHO-CC on HPH in Bispebjerg University Hospital, Denmark, & Secretariat of International Network of HPH
- **Professor Jurgen Pelikan**, Director of WHO-CC on HPH in Ludwig Boltzmann Institute, Austria

partnership

- **Susan Wilburn**, Technical officer, Department of Public Health and Environment, WHO
- **Dr. Gary Cohen**, Co-Executive Director, Health Care Without Harm
- **Dr. Pendo Maro**, Senior Climate and Energy advisor, Health Care Without Harm

participation

- **Dr. Michael Wong**, Director, Health for Life Center, Khoo Teck Puat Hospital, Alexandra Health Cluster (HPH Member)
- **Dr. Chun-Lon Lin**, CEO, Tzuchi Medical Mission, Tzuchi Compassionate Foundation, Taiwan (HPH Member)



Terms of references for the TF

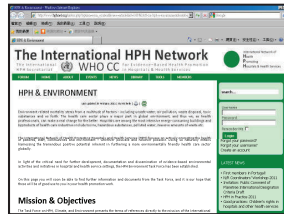
1. **Visualizing environment-related health promotion issues** in existing HPH Models and Tools
2. **Giving examples on best evidence practice** related to HPH Models and Tools
3. **Developing tools for monitoring the effect** of environment friendly intervention programs
4. **Disseminating the best 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 environment-friendly hospitals** and health services programs



Website of Task Force on HPH and Environment

Task Force Website Consists of:

- Mission & objective
- Task force meetings
- Conference presentations
- Conference information
- Task force members
- References
- Publications
- Relevant links



13

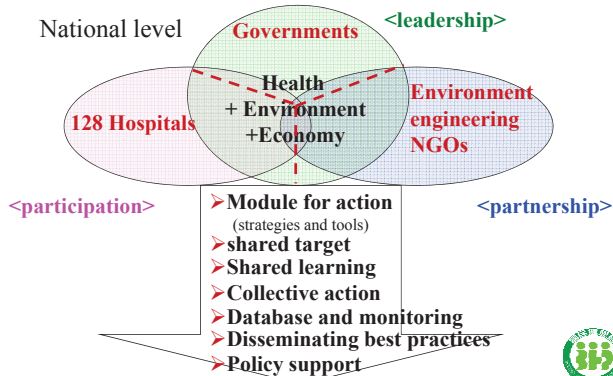
Voice from Taiwan: Yes, We Can!

Mission, I'm Possible!



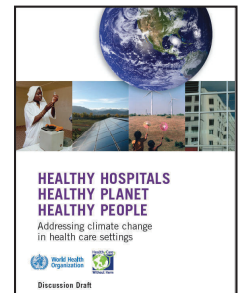
14

The power of change



7 Elements of a Climate-friendly Hospital

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



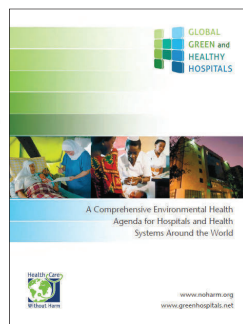
16

Global Green and Healthy Hospitals Agenda

THE TEN GOALS

- 1 LEADERSHIP
Prioritize Environmental Health
- 2 CHEMICALS
Substitute Harmful Chemicals with Safer Alternatives
- 3 WASTE
Reduce, Treat and Safely Dispose of Healthcare Waste
- 4 ENERGY
Implement Energy Efficiency and Clean, Renewable Energy Generation
- 5 WATER
Reduce Hospital Water Consumption and Supply Potable Water
- 6 TRANSPORTATION
Improve Transportation Strategies for Patients and Staff
- 7 FOOD
Purchase and Serve Sustainably Grown, Healthy Food
- 8 PHARMACEUTICALS
Safety Manage and Dispose of Pharmaceuticals
- 9 BUILDINGS
Support Green and Healthy Hospital Design and Construction
- 10 PURCHASING
Buy Safer and More Sustainable Products and Materials

HCWH, 2011



International Conference on Healthy Hospitals & Healthy Environment in Taipei on Oct. 23-25, 2010

- More than 250 participants from 106 hospitals, government departments, and academic institutions



EPA Deputy Minister Chang TC

- Task-oriented training with target of action
- Ministries of Health + Environment + Energy
- & International experts



18