





What Everyone Ought to Know about Green Health Care Acting Together for Environmental Health

TIMA Conference, March 7, 2015, Singapore MERCI FERRER

Health Care Without Harm Asia







What is Health Care Without Harm?

HCWH's work sits at the intersection of two core principles—

--the right to health care and

--the right to a healthy environment

- We take the Hippocratic Oath: "First Do No Harm," as our point of departure.
- We address the paradox inherent in health care systems that pollute and therefore undermine human health.
- We transcend that paradox by advocating for a healthier, more ecologically sustainable health care sector and positive alternatives to polluting technologies, products and practices.







Who Is Health Care Without Harm?

"Toward a Health Care Sector that Promotes Healthy Environments for All"

Health Care Without Harm is an international coalition of 443 organizations in 52 countries working to transform the health care sector so it is no longer a source of harm to people and the environment.

We work with health professionals, hospitals, health care systems, ministries of health and environment, and international organizations on issues ranging from chemical substitution, health care waste to climate change.

Offices in: USA, Europe, Argentina, and Philippines. Partners in South Africa, Tanzania, Brazil, Mexico, Nepal, Indonesia, and India. Members around the world.





Partners and Relationships









World Federation of Public Health Associations











Improving lives worldwide







30 años, construyendo el conocimiento de la toxicología para una mejor calidad de vida

1979 2009











Envisioning a Green and Healthy Health Sector

- Making the link between the environment and health
- Evolving the Hippocratic Oath
- Leveraging the purchasing power of health care
- Activating health messengers—moral leadership for broader societal transformation
- Implementing a disease prevention agenda





The Health Sector is Going Green

Many hospitals and health systems around the world are taking steps to reduce their environmental footprint, contribute to public health and save money all at the same time.







Global Green and Healthy Hospitals | Agenda Goals



Leadership

Prioritize environmental health as a strategic imperative



Chemicals

Substitute harmful chemicals with safer alternatives



Waste

Reduce, treat and safely dispose of healthcare waste



Energy

Implement energy efficiency and clean, renewable energy generation.



Water

Reduce hospital water consumption and supply potable water



Transportation

Improve transportation strategies for patients and staff



Food

Purchase and serve sustainably grown, healthy food



Pharmaceuticals

Prescribe appropriately, safely manage and properly dispose of pharmaceuticals



Buildings

Support green and healthy hospital design and construction



Purchasing

Buy safer and more sustainable products and materials

North America

2 Organizations representing the interest of 1057 Hospitals and 13 major Health Systems



Global

2 Organizations representing the interest of 900 Hospitals

Europe

15 Hospitals, 14 Health Systems and 6 Organizations, representing the interest of 462 Hospitals and 43 Health Centers

Asia

28 Hospitals, 4 Health Systems and 6 Organizations, representing the interest of 2209 Hospitals and 3099 Health Centers

Africa

5 Hospitals, 1 Health System and 1 Organization, representing the interest of 61 Hospitals and 1035 Health Centers

Pacific

5 Hospitals, 4 Health Systems and 4 Organizations, representing the interest of 40 Hospitals and 302 Health Centers

Totals: By November 2014, GGHH has 467members from 32 countries representing the interest of 5344 Hospitals and 5310 Health Centers





Members



Asia

- Bahrain, Bhutan, China, India, Indonesia, Nepal,
 Philippines, Singapore, Saudi Arabia, South Korea,
 Thailand, Taiwan
- Membership breakdown 28 Hospitals, 4 Health Systems, 6 Organizations representing the interest of 2209 Hospitals and 3099 Health Centers





Sambahvna Trust Clinic, Bhopal, India

- Green Building: solar power
- Food Provide sustainably grown local food for staff and patients
- Water Rainwater harvesting, water conservation



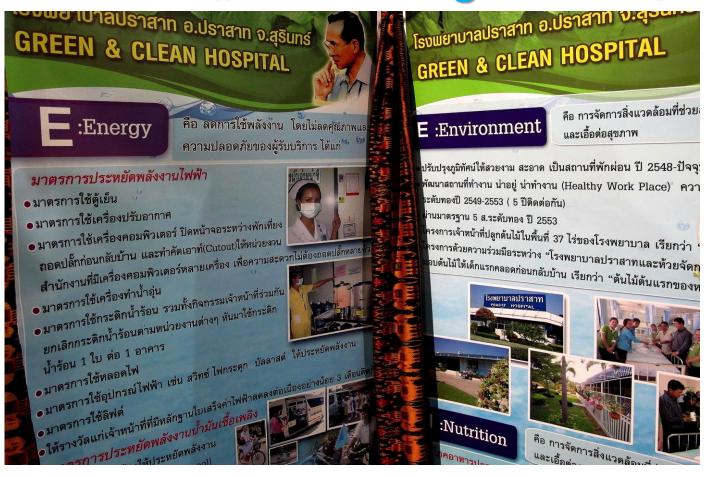






GREEN and CLEAN Hospitals:

A Strategy for Reducing Global Warming







GREEN activities

Garbage
Restroom
Energy
Environment
Nutrition



CLEAN strategies

Communication for creating good understanding and awareness.

Leadership for starting a prototype project and resolving any problems.

Effectiveness enhancement to achieve the target.

Activity creation with strengthened cooperation.

Networking for all hospitals to share and learn among themselves.





Ministry of Health, Bhutan



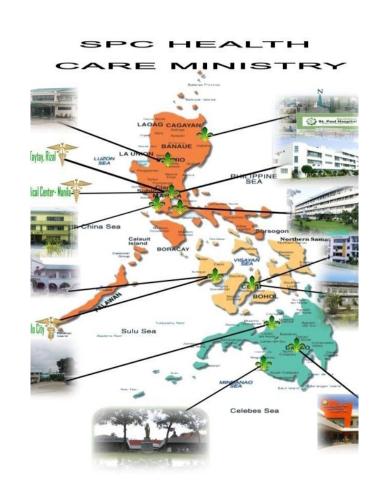




Saint Paul de Chartres Health Care Ministry, Philippines

16-hospitals owned and administered all over the country

- Mercury Substitution
- Autoclave waste
- Vermiculture
- Food cultivation
- Trash to works of art



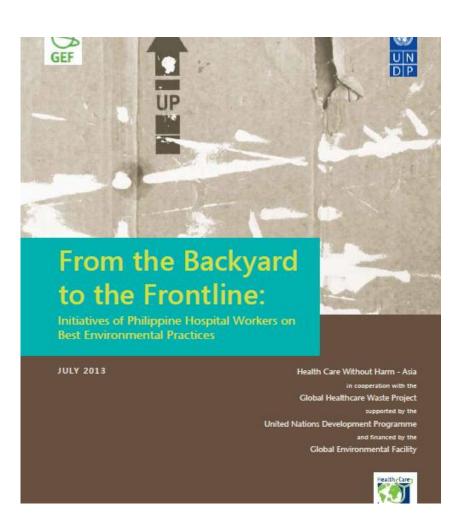




Philippine Hospital Good Practices

- Waste Management
- Chemicals
 Management/Mercury
 Phase-out
- Waste Water Treatment
- Safer Alternatives to Cleaning
- Hospital Biodigester

http://web.undp.org/gef/document/From %20the%20Backyard%20to%20the%20Fron tline.pdf







Green Hospitals Initiative, Mongolia



Improving Health Care Waste Management



Mercury Free Health Care Initiative





National Cheng Kung University Hospital, Taiwan

Energy

- ✓ Lighting System Renovation
- ✓ Heat Pump Hot Water System
- ✓ Air Conditioning Renovation

Total annual savings:

- 5259 tons of C02
- \$625,000







Severance Hospital, Korea

Energy

 Expense reduction in 2011: 1,901,686,000 won (\$1,730,000)

GHG emission reduction:
 5,316 tons of CO2







Bir Hospital, Nepal







HCWH/GGHH collaboration with Health Care Foundation Nepal





Bir Hospital, Kathmandu, Nepal





New technologies-biodigestion Bir Hospital 2011







GGHH TOOLS AND ACTIVITIES

- Public events.
- Case Studies
- A suite of PR and media tools for members
- Technical tools (coming soon)
 - *Self- assessment check list
 - *Guidance documents for each goal
- Worldwide webinars with experts on goal area.
- An Awards Program that recognizes world leaders in sustainability in healthcare.
- GGHH Connect.





WWW.GREENHOSPITALS.NET



Health Care







GGHH CONNECT- Mission and Purpose

To provide a borderless environment for GGHH members to meet, teach and learn from each other to assist and help accelerate the

achievement of their sustainability goals



CREATED

POWERED

Health Care



SUPPORTED





Communities -





Nick Thorp ▼



Q



My Homepage

Contacts Center

Messages

My Documents

My Homepage





GGHH is a worldwide community of hospitals, healthcare systems and health organizations dedicated to reducing the ecological footprint of healthcare operations, while promoting environmental and public health in their communities.





The GGHH Connect Help Desk is full of tutorials, guides, and people to show you how to use and take full advantage of GGHH Connect.

Visit the Help Desk today!

GGHH Goal Communities



Leadership



Chemicals



Waste





About an hour ago.

Water





Training and FAQs

Collaboration Settings

GGHH Admin in Energy

Connections

Updated a blog entry.

Following



Costa Rican Hospital Seeks to Become First Carbon Neutral Medical Center

My Communities

Me

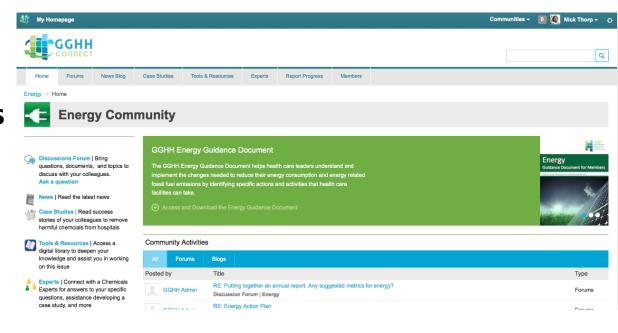




GGHH CONNECT- Communities

Communities dedicated to each of the 10 GGHH Agenda goals with:

- -Discussion Forums
- -Global Teams of Experts
- -Tools and Resources
- -Case Studies
- -Multi-lingual capability







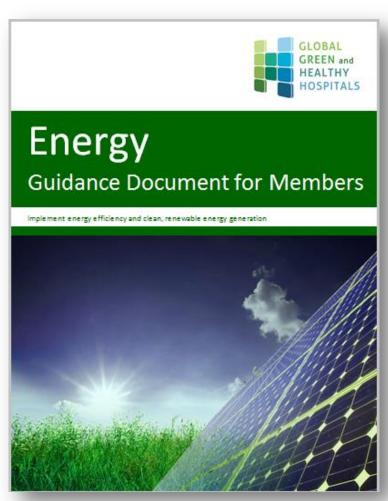
GGHH Connect- New Tools and Resources

Guidance Documents

- -Overview of each goal
- -Suggested action items and projects
- -Strategies and tips for implementation
- -Additional resources for learning/ research

Self-Assessment Checklists

- -Baseline picture for new members
- -Suggested **project focus areas**
- -Track progress year after year







GGHH CONNECT- Key Support Team- Social Stewards

Fiona Armstrong- Pacific Climate and Health Alliance

Luqman Yesufu- Africa Groundwork

GGHH CONNECT- Key Support Team- Experts

Will Clark- Water
UK- Sussex NHS Trust

Marcelo Porto- Energy fhi360- Brazil Victoria Rice- Waste
University of Washington
Health Center

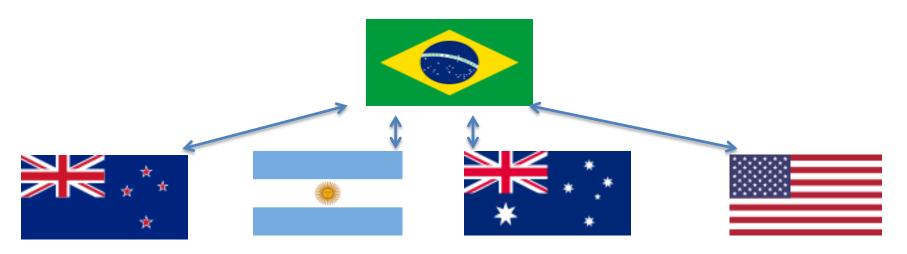




GGHH Connect- Experiences

Gathering feedback and experiences to engage leadership and guide project implementation

How do you dispose of lead aprons used in x-rays?



Dear GGHH friends. I am looking for a standard for the disposal of radiation protective garments like lead aprons? This kind of waste could leach into groundwater at dangerous levels if disposed of in landfills and would be a disaster if burned. The protective layer is made of lead and rubber and there is also two external PVC fining (Internal and external). Some hospitals and almost all the manufacturers and suppliers in Brazil use to say that they send it to landfill or incineration, but I think that they just don't know what to answer that question. Lead Aprons are hazardous waste, but I don't know any formal reference on how to deal with this very common waste. A lead apron lasts maximum two years only. Hospitals usually have various in each RX room. Could someone help with this? 0 (0 Votes) (A) Flag 1 Top Edit Delete RE: How to dispose of lead aprons? Reply Reply with Quote | Quick Reply 5/14/14 10:45 AM as a reply to Vital Ribeiro. RE: How to dispose of lead aprons? María Della Rodolfa Hi Vital Good question, this is also an issue of concern for us. Jun 18 2013 5:25 AM Clare Topping That's an interesting question and not one I had considered yet Vital. I am making enquiries here to see what we do - if nothing else then there should be some value in the lead.

Reply | Jun 18 2013 6:10 AM



Hi all, is it possible to return them to your suppliers? I'm thinking they could recycle them. It's a good question, I don't remember if any hospital here in Argentina disposes them as hazardous wastes. I'll ask and let you know if I get any information.





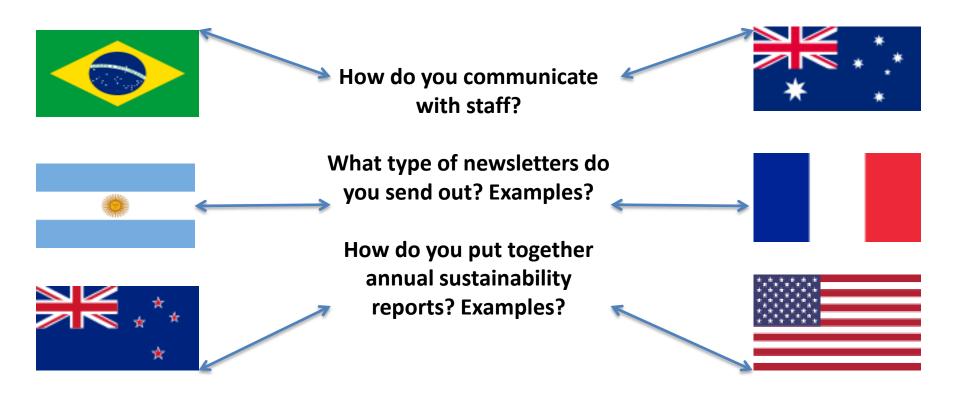
Antonella Risso





GGHH Connect- Pilot Experiences

Creating community: health care sustainability professionals







GGHH Exchange

















Objectives:

- Engage leading hospitals and health systems from across the globe to make major commitments to reducing their carbon reduction by 2020 and beyond.
- Measure collective health sector carbon footprint reduction.
- Encourage the development of increasingly climate resilient health systems around the world.
- Mobilize health care to play a leadership role to advocate for a healthy climate via economic, policy and communications strategies.







Eligible Participants: Hospitals, and health systems from around the world.

Elements Include:

- A Health Care Climate Pledge
- Automatic GGHH Membership when the pledge is signed.
- Emissions target and reporting forms on GGHH Connect.
- Resiliency checklist
- Leadership checklist
- Climate leadership awards







INITIAL PARTICIPANTS

- Albert Einstein Hospital (Brazil)
- Gundersen Health System (USA)
- Kaiser Permanente (USA)*
- Partners Health Care (USA)*
- Sustainable Development Unit, National Health Service (England)
- Western Cape Health System (South Africa)*
- Yonsei University Health System (South Korea)





*To be confirmed







Timetable

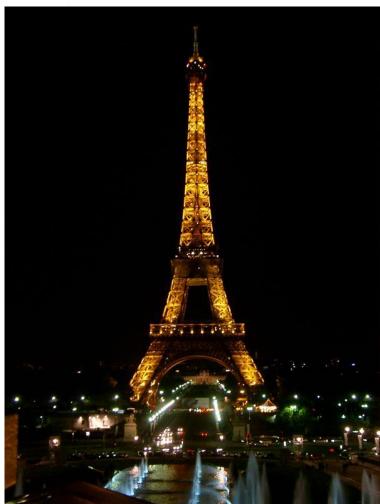
April. Challenge goes public. Pledge available for signing.

May. Participants begin to enter data on GGHH Connect. Establish 2020 Targets.

April-December. More participants join.

December. Event during the Paris Climate Conference announcing health care commitments and recognizing leading hospitals and health systems.

2016-2020. Hospitals and **h**ealth care systems around the world become climate champions!











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