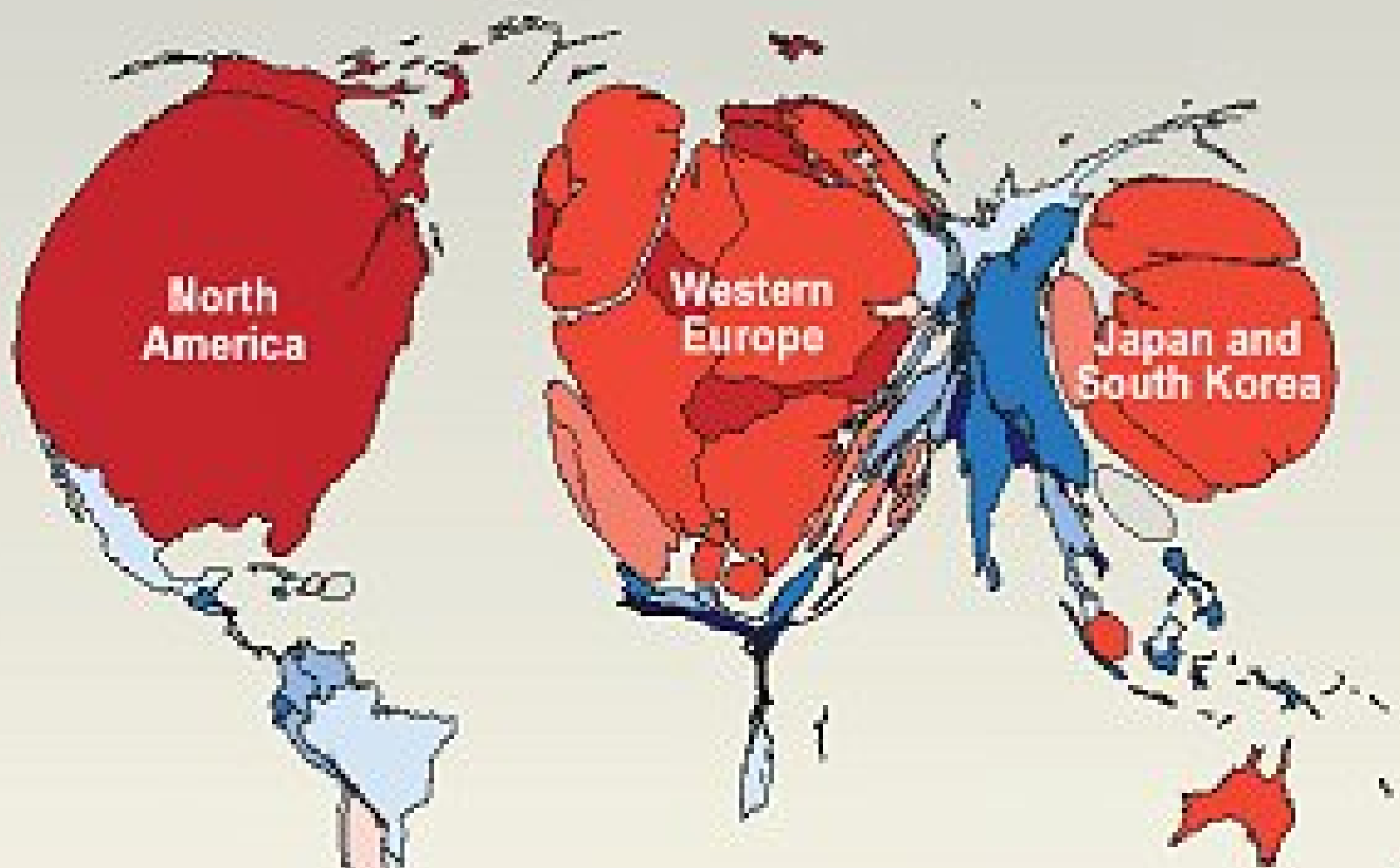


# Globalization, Work and Health: Global knowledge management

Philippe Grandjean, MD



This picture was taken  
the day after the Tsunami



North America

Western Europe

Japan and South Korea

GDP (Gross Domestic Product) per capita, 2010  
in PPP (Purchasing Power Parity), US\$



Value

 This square represents 1 100-billion US dollars



DA VENIAM SCRIPTIS QUORUM NON GLORIA NOBIS  
CAUSA, SED UTILITAS OFFICIUMQUE FIT

# Collegium Ramazzini aims

- The Collegium Ramazzini assesses present and future risks of injury and disease attributable to the workplace and the environment...
- It **transmits its views** on these hazards and their prevention to policy-making bodies, authorities, agencies and the public.
- By holding conferences, symposia and training courses, publishing statements and research papers and publicizing its views, the Collegium Ramazzini **seeks to translate** to legislators, regulators and other decision makers the policy implications of scientific findings.
- The goal of the Collegium Ramazzini is to work towards **solutions** of occupational and environmental health problems.

# Myers/Christiani's recommendations to combat globalization health problems

- how the CR can contribute

- Regulatory/governance system that informs environmental and occupational health provisions in less developed countries - inspire and advise
- Expansion of job retraining programs for developed countries' workforce - inspire, advise, and teach
- Empowerment of national and local stakeholders in less developed countries to have a greater role in working conditions, wages, public health programs - inspire and advise
- Improved safety and health training of workers; increased professional training in less developed countries (with assistance by developed countries) - inspire, advise, and teach
- International collaboration in environmental and occupational health training, research, and policy setting - inspire, advise, teach, and lead

PROPUESTA  
Conferencia Internacional  
"Salud Ocupacional y Ambiental: Emergencias en los Países en Desarrollo"



Declaración de Quito

(Marzo, 2006)



Nosotros, como participantes en la Conferencia Internacional "Salud Ocupacional y Ambiental: Emergencias en los Países en Desarrollo", que se llevó a cabo entre el 6 al 10 de marzo de 2006, en Quito, organizada por el Collegium Ra **Based on the successful conference in Quito, the CR should develop a strategy for conferences worldwide to reach international colleagues, who cannot travel to Carpi** y después de conocer los avances logrados y los temas pendientes con respecto a la Salud Ocupacional y Ambiental y sus consecuencias en la salud, y luego de las deliberaciones de los diferentes grupos sectoriales sobre Epidemiología Ocupacional y Ambiental, Ética y Principio de Precaución, Salud Reproductiva, Efectos crónicos de los Plaguicidas, Cáncer de Origen Ocupacional y Ambiental, Salud Infantil y Ambiente, Industria de la Construcción y Salud; y determinados en mejorar la salud y las condiciones de vida de la población ecuatoriana,



## Epidemiology - Internet – Global Health

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The Supercourse has 32,000 faculty from 151 countries who created a Library of Lectures with 2500 slide shows on the Internet. Almost 100 lectures on environmental and occupational health (EOH). The <http://www.pitt.edu/~super1/> site receives 75 million hits per year. ... why not develop the CR supercourse in EOH?

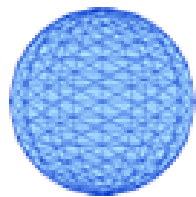
## Description of all jobs held

- Chronologic lifetime work history
- Include summer, part-time work, second jobs, work in home, military
- Job title is not enough!
  - Describe typical work shift; routine tasks, unusual and overtime work tasks
  - Be sure *you* can picture and describe the work process to someone unfamiliar with it

Videoconferences using Eluminate software are organized by the University of Iowa - a powerful tool for global EOH teaching

# Open-access online journals:

Only 10-15% of all published articles are open access



ENVIRONMENTAL HEALTH:  
A GLOBAL ACCESS SCIENCE SOURCE



ENVIRONMENTAL  
HEALTH  
PERSPECTIVES

Also: Ann Agricult Environ Med, BMC Publ Health, Bull World Health Org

Of 99 journals listed under “Public, environmental & occupational health” by ISI Web of Science, only 5 are listed as open access by JCR (Lund University)

Int J Epidemiol has organized open access for readers in developing countries  
The CR should inspire and sponsor similar open access to other EOH journals

Here's flexibility



These are examples of knowledge management not to be followed!

THE great heron is almost as quick as the fastest snake in striking at his prey. The power in his long, serpentine neck is perfectly controlled. To control the power in gasoline, oil refiners add Ethyl fluid. This prevents the stumbling explosions that cause power-waste, harmful knock and overheating. It *controls combustion*, delivering power with a smoothly increasing pressure that brings out the best performance of your car, and gives real economy in the long run. Try it! Ethyl Gasoline Corporation, New York City.

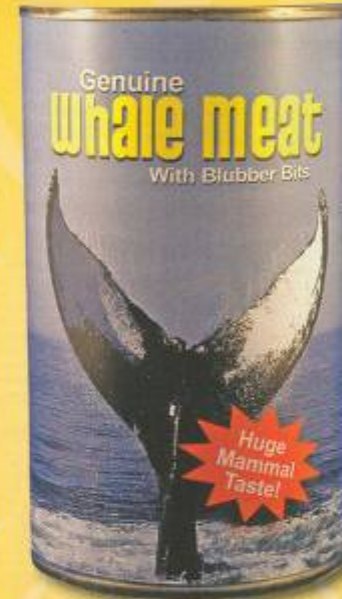


The active material used in Ethyl fluid is lead.

© E. G. C. 1931

ETHYL GASOLINE

# Concerned About Mercury?



You shouldn't be.  
Unless you eat this.

Environmental scares about trace amounts of mercury in fish rely on a study of island natives who eat huge amounts of whale meat. However, scientists who study heavy fish-eaters find no health risks from mercury. So unless you're lunching on a Moby Dick sandwich, there's no reason to worry.

Fish is good for you. Baseless anxiety (or whale blubber) isn't.

FishScam.com

# Globalization – relation to CR aims

- Improve environmental and occupational health of exposed populations
- Improve ability and competence of these populations
- Assist in establishing sustainable, tolerant, and pluralistic procedures for management of risks

... extending CR aims internationally