

A composite image of Earth and the Moon in space. The Earth is the central focus, showing a mix of green, brown, and white. The Moon is visible in the lower-left corner. The background is a dark, starry space with some nebulae and bright spots.

An EPHTN Supercourse?

Winds of Change



Ron LaPorte, Ph.D.

Hello CDC

Please call me - Ron

Thank you to our Environmental Sensei

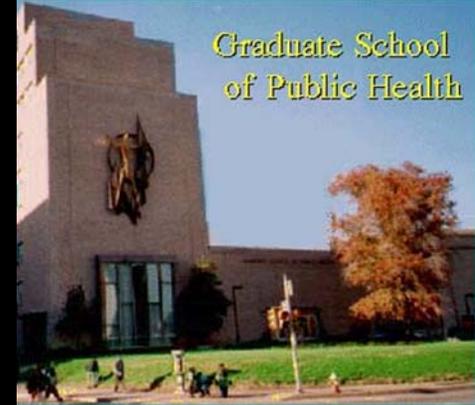
Evelyn Talbot, Dr. PH
Jeanne V. Zborowski, Ph.D.
University of Pittsburgh



Jeffery Shire
CDC



WHO Collaborating Center



Ronald LaPorte, Ph.D.
Director

**Disease Monitoring and
Telecommunications**

Mita Lovalekar, M.D.
Research Associate



Climbing the Ladder of Environmental Health Tracking to better health

Evaluation

Improving Web impact

Work Force Development

Reaching Unreached

Public Policy

JIT

Dissemination Translation

Network



EPHTN Vision: Health Informed Communities

“translating environmental and public health data into meaningful information leads to increased knowledge; applying that knowledge leads to actions that result in healthy communities”



Goal 2

“Enhancing Environmental Public Health Tracking Workforce and Infrastructure”

“Improving infrastructure and developing the work force”



Global Health Network

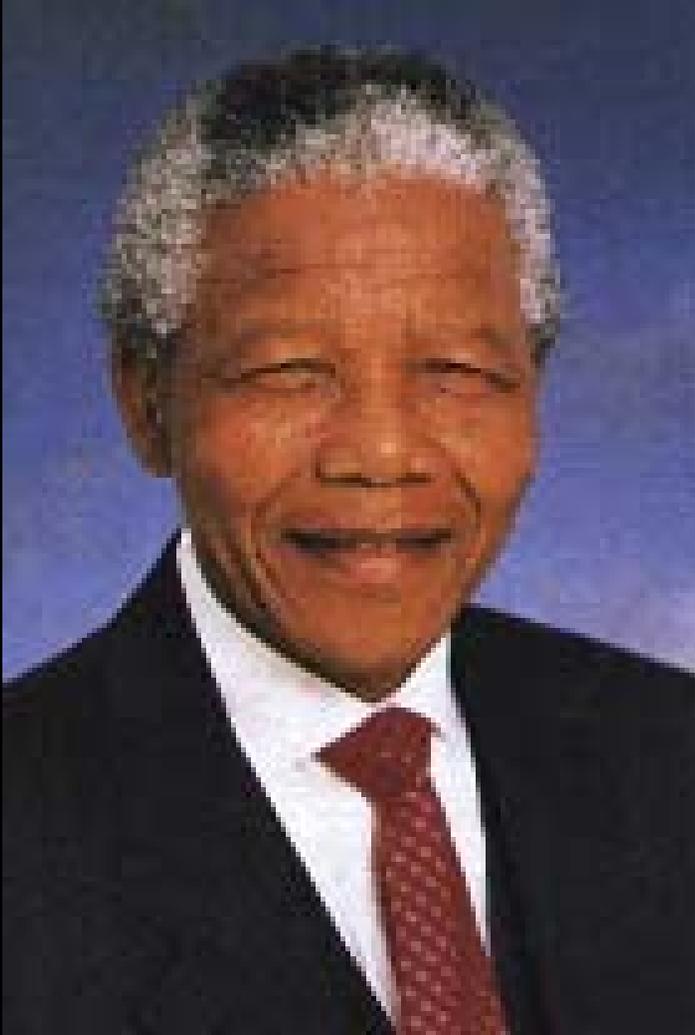
Global Health Network

**Network everyone in
prevention world wide**

If Cars Developed at the Same Pace as **IT**



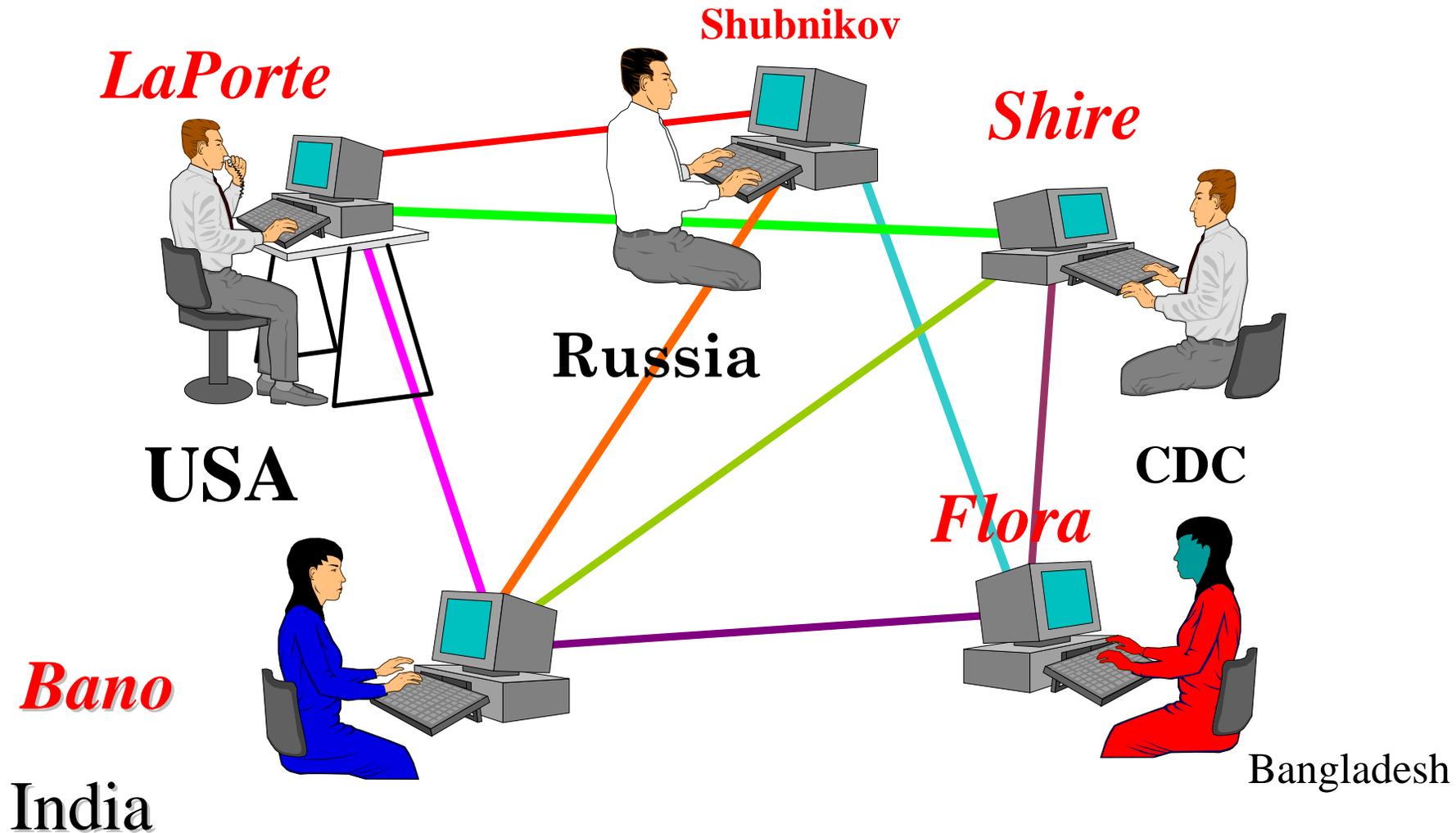
- 100,000 miles/hr
- 250,000 miles/gallon
- Cost = \$5.00



**Education is the most
powerful weapon
which you can use to
change the world.**

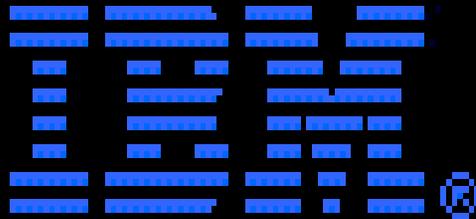
Nelson Mandela

Human Networks

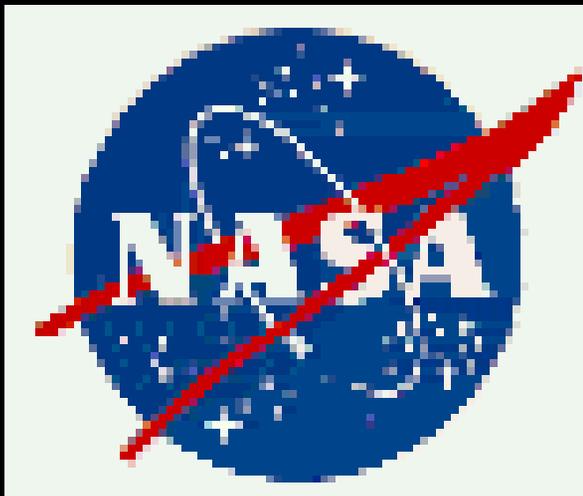


WHO OMS

WORLD HEALTH ORGANIZATION - ORGANISATION MONDIALE DE LA SANTÉ



THE WORLD GROUP



Overview of talk:

What is the Supercourse?

What are Supercourse-EPHTN Touch Points to build, and educate the work force?

Question:

*How can we improve Prevention
(and Environmental) education
worldwide?*

Answer:

Get better lectures

But how do I get better lectures?

Why don't scientists share our most exciting PowerPoint lectures for free?

What is the global language of research and teaching?

1 Meeting PowerPoint

2 Creating Slides

3 Making Changes

4 Adding Images & Charts

5 Adding Motion

6 Adding Sound

7 Timing & Rehearsing

8 Taking It With You

Power Point

in the classroom



with Sue Special



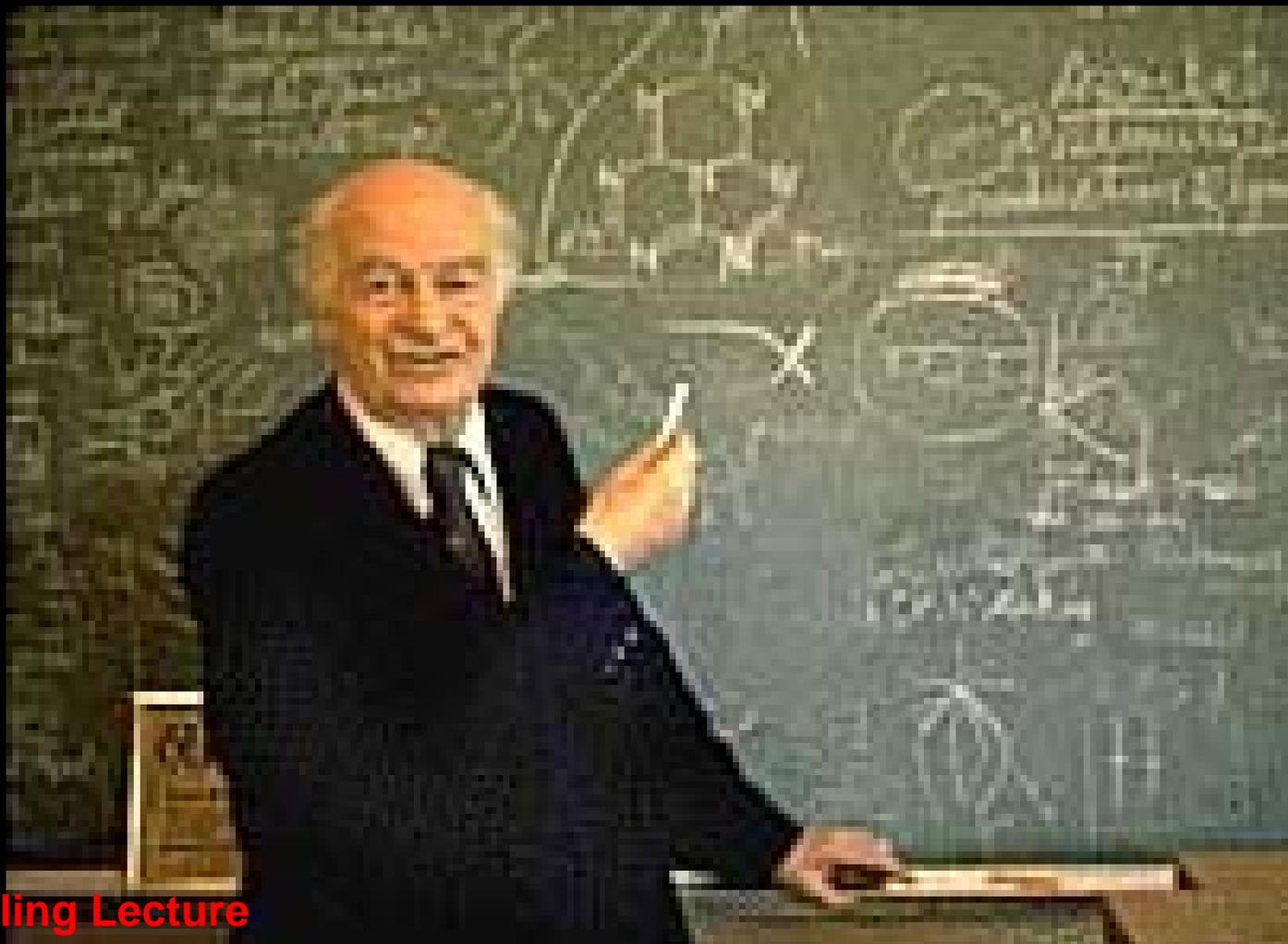
and Jim Jingle

Tutorials
in Print

DEN Home

Teacher's Guide

Transformation of Workforce Education Dust to Dust



Linus Pauling Lecture

Transformation of Workforce Education Dust to Dust



Linus Pauling Lecture



1950-2006

50,625,000,000

**Scholarly Lectures Died
and were lost to Eternity**

Microsoft PowerPoint - [library of alexandria april 06 mine]

File Edit View Insert Format Tools Slide Show Window Help

Type a question for help

Arial 44 B I U S

Outline Slides

Slide Layout

Apply slide layout:

Text Layouts

Content Layouts

Slide 22: What wiped out the lectures?
Dust to Dust

Linus Pauling Lecture

Click to add notes

Slide 22 of 30 Default Design English (U.S.)

start library of alexandria ... America Online 9.0 S... 11:34 AM

Pauling Lectures saved on PowerPoint

Globalization



41,300 Faculty
151 Countries

23,000 in US

907 from CDC

> 40 state epidemiologists

9,637 Academia US

Lectures

3007



Klaus von Klitzing



Rolf M. Zinkernagel



Douglas D. Osheroff



Joseph E. Stiglitz



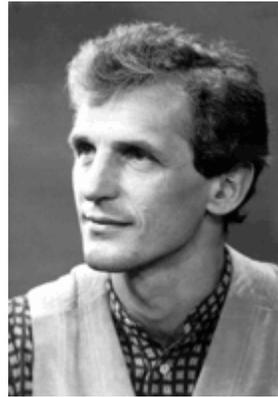
Robert f. Engle



George a. Olah



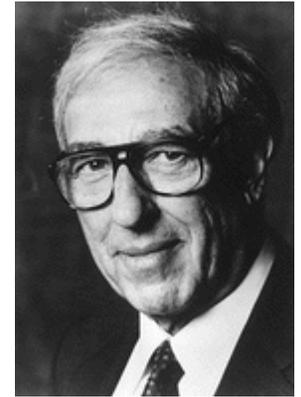
Sir Paul Nurse



Wolfgang Ketterle



Anthony Leggett

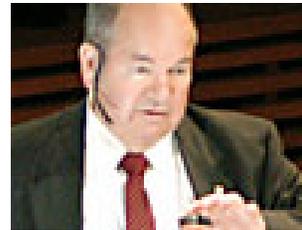


Edmond Fischer

Nobel Prize Winners



Roy Glauber



Alexei Abrikosov

21st. Century health challenges:

Can we all become healthy,
wealthy, and wise?



*Jeffrey P. Koplan, M.D., M.P.H.
Director, CDC; Administrator, ATSDR*

+ 27 CDC Lectures



Supercourse

Health, Environment and Sustainable Development



A Learning Opportunity for All

This course is designed to provide an overview on Health and Environment in a context of Sustainable Development for public health students around the world as well as decision-makers, community leaders, scientists and professional in government and nongovernmental organizations who are interested in health-and-environment linkages in sustainable development. The concept of the course is described in the [British Medical Journal](#) as the [Global Health Network University](#). Lecture style is described in the [Nature Medicine](#) as [Hypertext Comic Books](#). Also please browse the parent course [Epidemiology, the Internet and Global Health](#).

- [Objectives](#)
- [Reviewers](#)
- [Instructions for Authors](#)
- [Internet Resources](#)
- [How to join the Supercourse Faculty](#)
- [Lectures](#)

Rationale of the Supercourse

[Index](#)

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Health, Environment and Sustainable Development

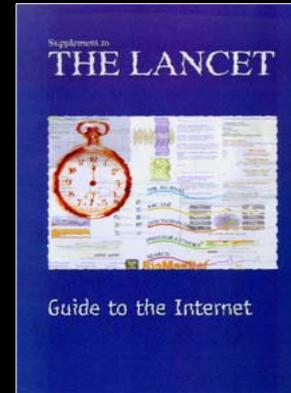
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[Other Lectures](#)

NEW

[Epi-Exercise](#)

Top 11 Medical Pages Lancet



75 million hits/year

170 publications

(including, Science, BMJ, Lancet, Nature, Nature Med)

Top 100

PC Magazine

Future



Super Course

Super Course
Committee
of PUMC

Supercourse
Epidemiology, the Internet
and Global Health

丁香园镜像

www.supercourse.cn

Recent Just In Time (JIT) lectures: [TSUNAMI](#)

[Earthquake & Tsunami South Asia, 26 Dec 2004](#)

This course ([Executive Summary](#)) is designed to provide an overview on epidemiology and the Internet for medical and health related students around the world. The concept of the course is described in the [British Medical Journal](#) as the [Global Health Network University](#). Lecture style is described in the [Nature Medicine](#) as [Hypertext Comic Books](#). "Supercourse" has 2130 lectures already.

Epidemiology - Internet - Global Health

Supercourse Committee of PUMC, China

[Introduction and review](#) | [Forum](#) | [Topic Selection](#) | [News](#) ^{Q&A} | [PPT Background Download](#) ^{Q&A} | [国内课件专题](#) ^{Q&A} | [About Us](#)

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- [Developers](#)
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FAQ

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- [丁香园会员](#)
- [ftp.supercourse.cn](#) (only for PUMC participants)

www.supercourse.cn

China Supercourse

Just-in-Time Lectures



- ✓ HAND WASHING REQUIRED
Before entering & when leaving room
- ✓ GLOVES REQUIRED
- ✓ MASK REQUIRED *PCN 2,000 (over)*
EYEWEAR AS NEEDED *(over)*
12 mg of
1/10/17
- ✓ GOWN REQUIRED
APPROX AS NEEDED
- ✓ KEEP DOOR CLOSED
- ✓ DECONTAMINATE

"BOTH"
DOORS MUST
BE KEPT
CLOSED AT
ALL TIMES

SARS

THE MYSTERY ILLNESS

Just-in-Time Lectures



Severe Acute Respiratory Syndrome (SARS): Basics

Update June 10, 2003

[Rashid A. Chotani, MD, MPH](#)

Assistant Professor, School of Medicine, School of Public Health &
Center for International Emergency, Disaster & Refugee Studies
Director, Global Infectious Disease Surveillance & Alert System
Johns Hopkins School of Medicine & Public Health
410-614-8330

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Volume 361, Number 9373 07 June 2003

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Education and practice

Just-in-time lectures: SARS

With the emergence of Severe Acute Respiratory Syndrome (SARS), an enormous public-health effort is needed to limit further spread of the infection. As of May 19, 2003, SARS has spread to potentially 30 countries, in five continents, causing 7864 cases and 643 deaths since the initial cases were identified when they peaked in late February, 2003. The actual outbreak was later identified to have occurred in Guangdong Province, China, in November, 2001. At present the overall case-fatality proportion is 8.2%, but has considerable variation across countries, ranging from 5.5% (289/5236) in China to 16.4% (23/140) in Canada.¹

Lack of information and knowledge about a global outbreak such as SARS makes all affected people vulnerable, especially health professionals who need accurate and up-to-date information to care for patients and undertake crucial research. Advances in information technology, however, have meant that health information can be rapidly accumulated and disseminated through the internet to the global medical community. The wide accessibility of this medium means that Just-in-time (JIT) lectures, which target educators, can help to improve the dissemination of information in a health crisis.

The concept of JIT lectures comes from manufacturing, where JIT inventory control achieved huge savings and flexibility. When applied to medicine, the basic idea of JIT lectures is that new information about a disease presented in a structured format (using PowerPoint) can be disseminated instantly. The beauty of JIT lectures is the speed with which critical lectures can be written and distributed. The widespread use of computing in health-care systems enhances the flow of information over the internet. Moreover, the capture-recapture epidemiological tools used for Global Disease Telemonitoring

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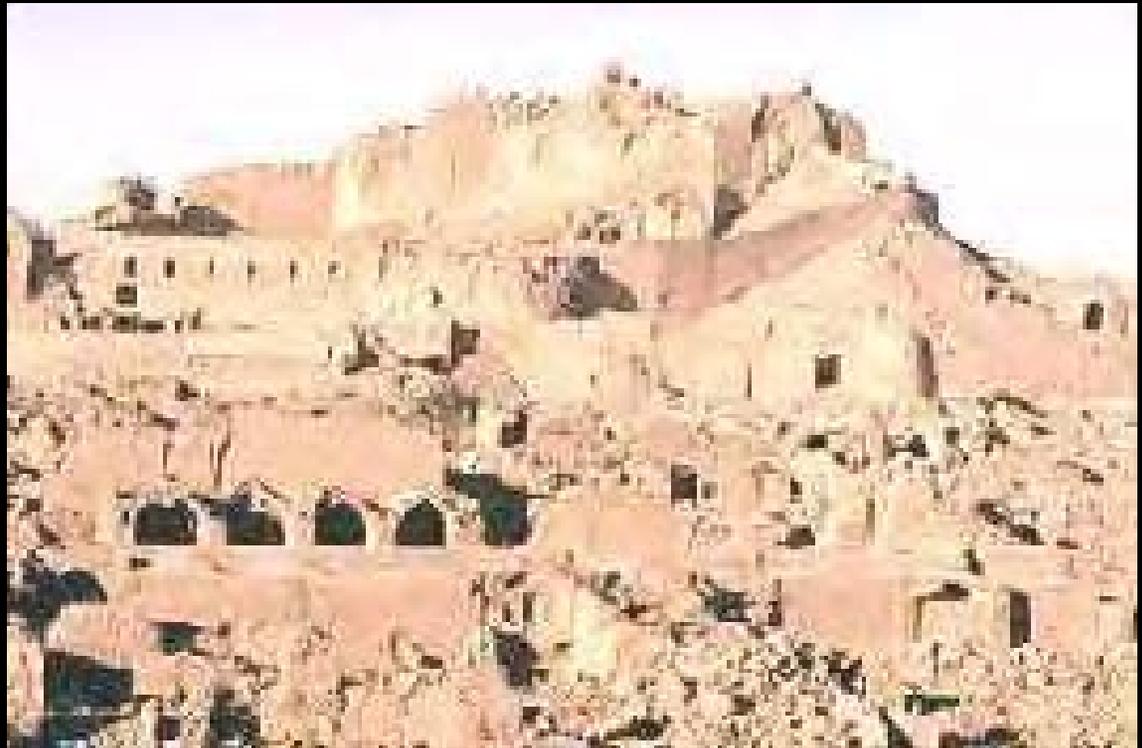
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Eric Noji, M.D.
CDC

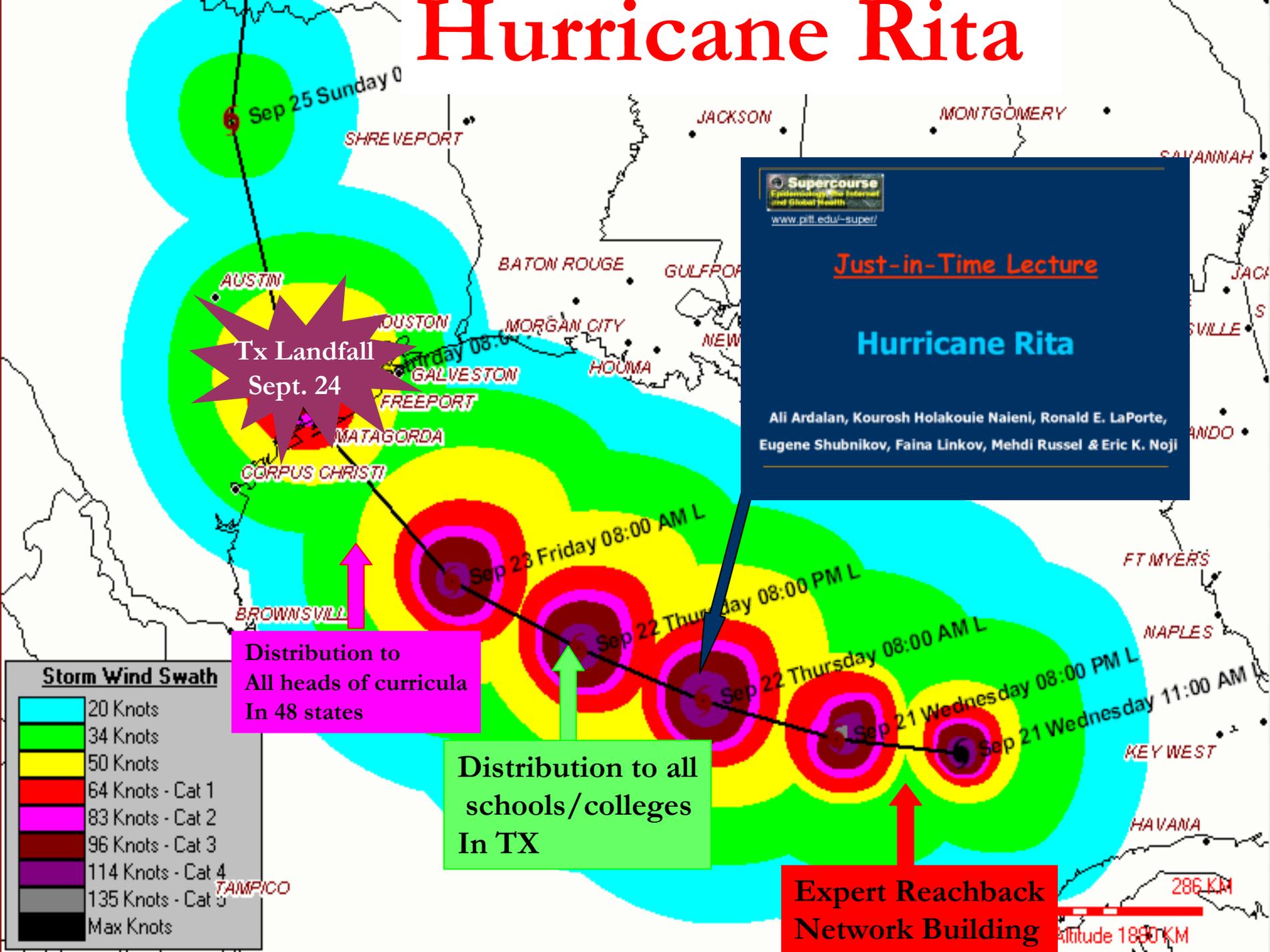


Bam Earthquake in Iran



Ali Aldadan, M.D.
Tehran, Iran

Hurricane Rita



Tx Landfall
Sept. 24

Supercourse
Epidemiology, the Internet
and Global Health
www.pitt.edu/~super/

Just-in-Time Lecture

Hurricane Rita

Alli Ardan, Kouros Holakouie Naieni, Ronald E. LaPorte,
Eugene Shubnikov, Faina Linkov, Mehdi Russel & Eric K. Noji

Distribution to
All heads of curricula
In 48 states

Distribution to all
schools/colleges
In TX

Expert Reachback
Network Building

Storm Wind Swath

20 Knots
34 Knots
50 Knots
64 Knots - Cat 1
83 Knots - Cat 2
96 Knots - Cat 3
114 Knots - Cat 4
135 Knots - Cat 5
Max Knots

2006-2007

**Training over 1 million using
Supercourse Lectures**

**Web Impact Ratings: Page Ranking
4/40,000,000 epidemiology,
9/430,000,000 global health**

**Environmental Health lectures: 3&4/
7,050,000**

~~Replace~~

Enhance

Touch Points between Supercourse and EPHTN

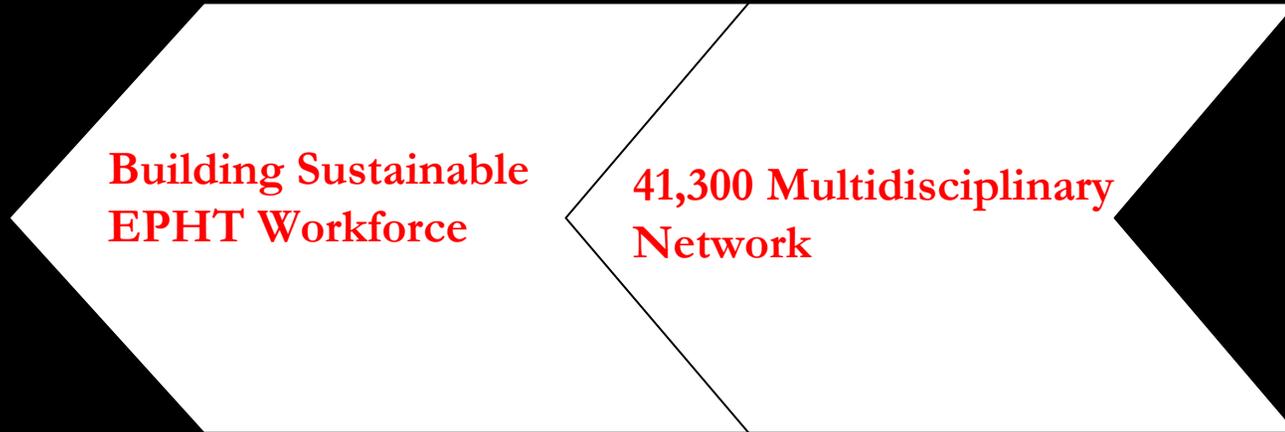
Touch Points 1: Network

EPHTN

Supercourse

**Building Sustainable
EPHT Workforce**

**41,300 Multidisciplinary
Network**



Building the Workforce Network By e-recruiting, Social Marketing and Viral Marketing

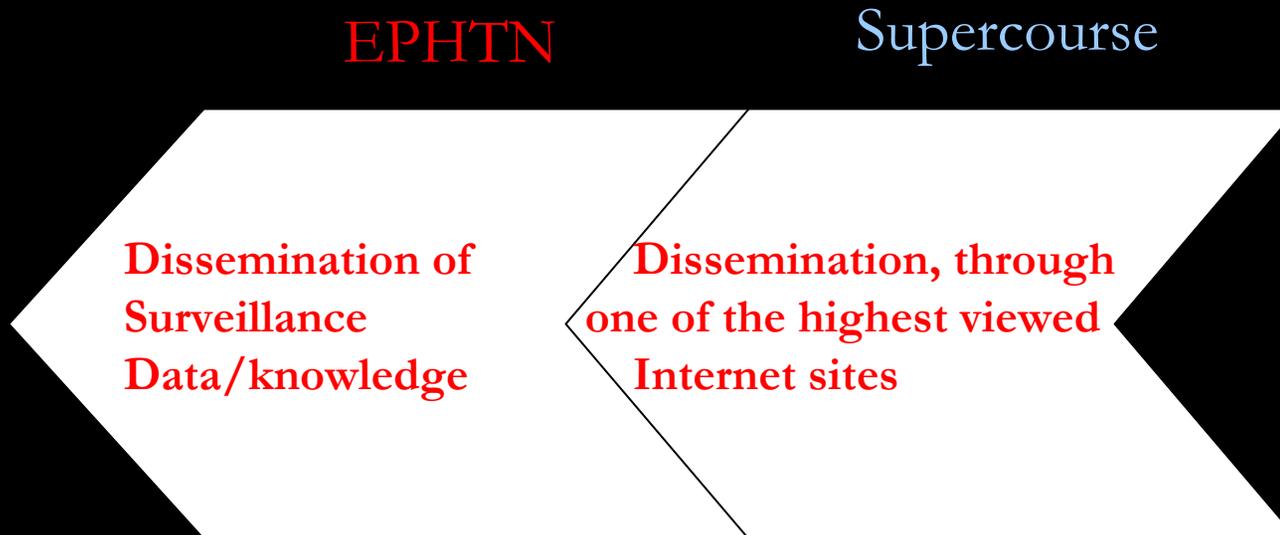
41,300 in the Supercourse Network

Recruiting 1% = 413

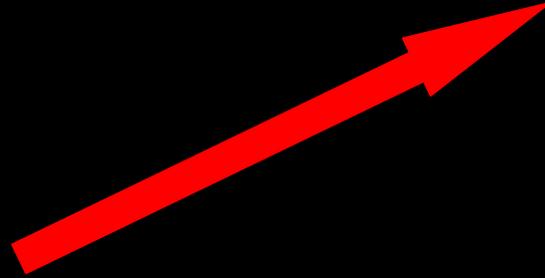
Recruiting 5% = 2,065

Recruiting 10% = 4,130

Touch Points 2: Information/Knowledge



**EPHTN
Dissemination**

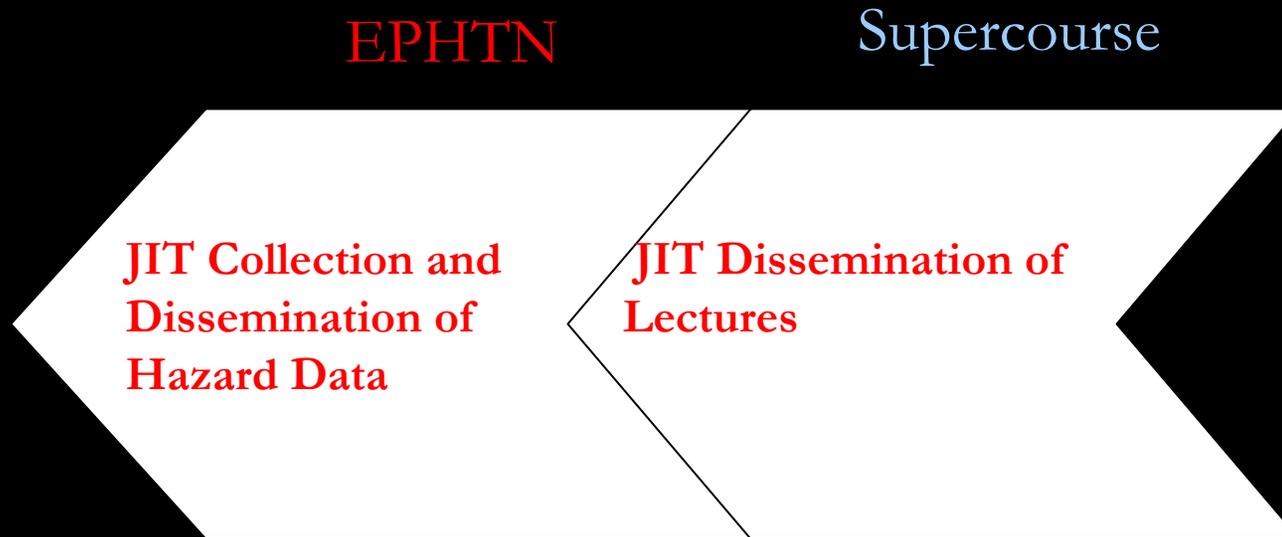


**Data
Dissemination
Through EPHTN
Web page**

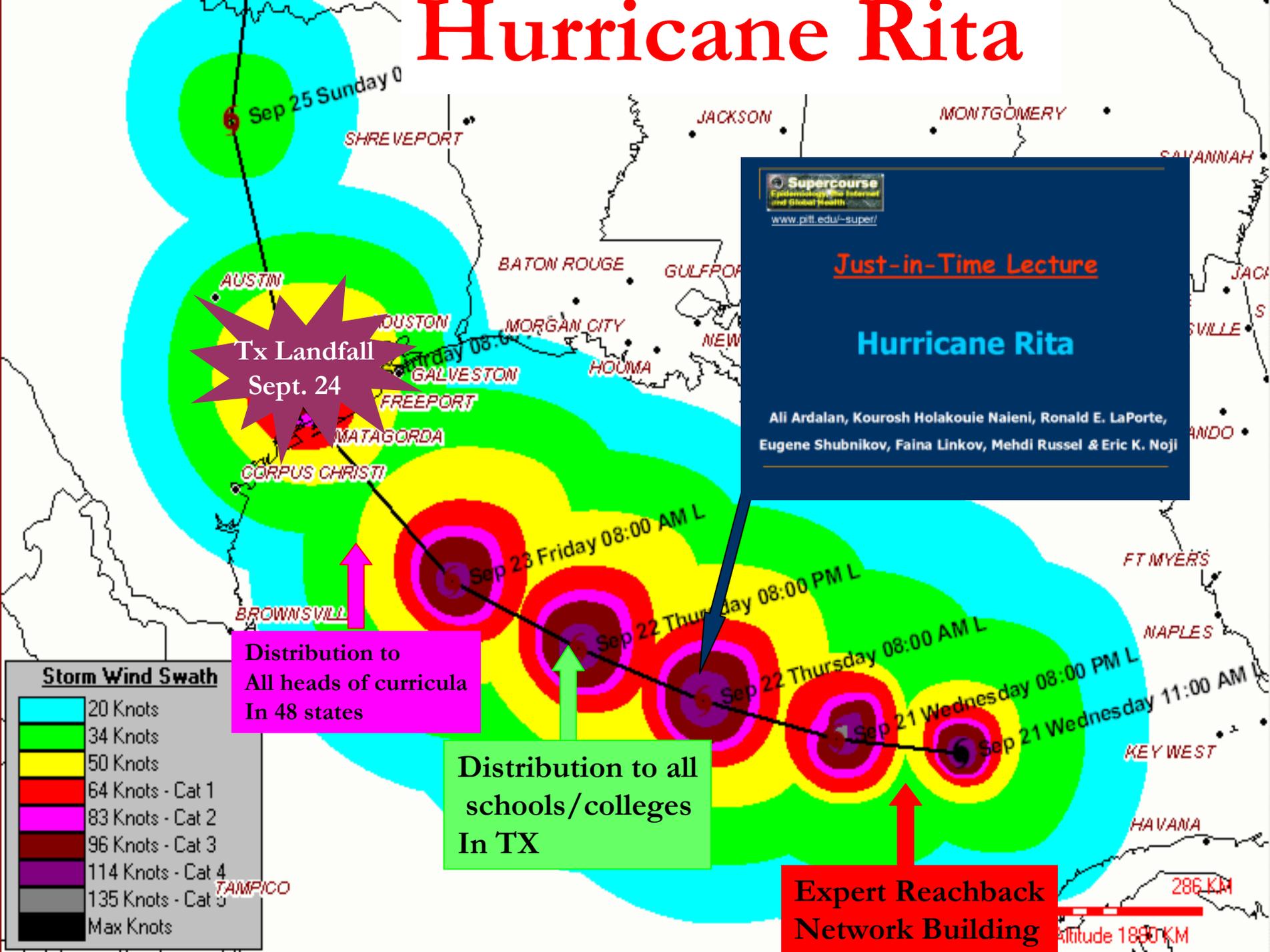


**Graphic
Dissemination
Supercourse**

Touch Points 3: Just-in-Time Environmental data



Hurricane Rita



Tx Landfall
Sept. 24

Supercourse
Epidemiology via Internet
and Global Health
www.pitt.edu/~super/

Just-in-Time Lecture

Hurricane Rita

Alli Ardan, Kouros Holakouie Naieni, Ronald E. LaPorte,
Eugene Shubnikov, Faina Linkov, Mehdi Russel & Eric K. Noji

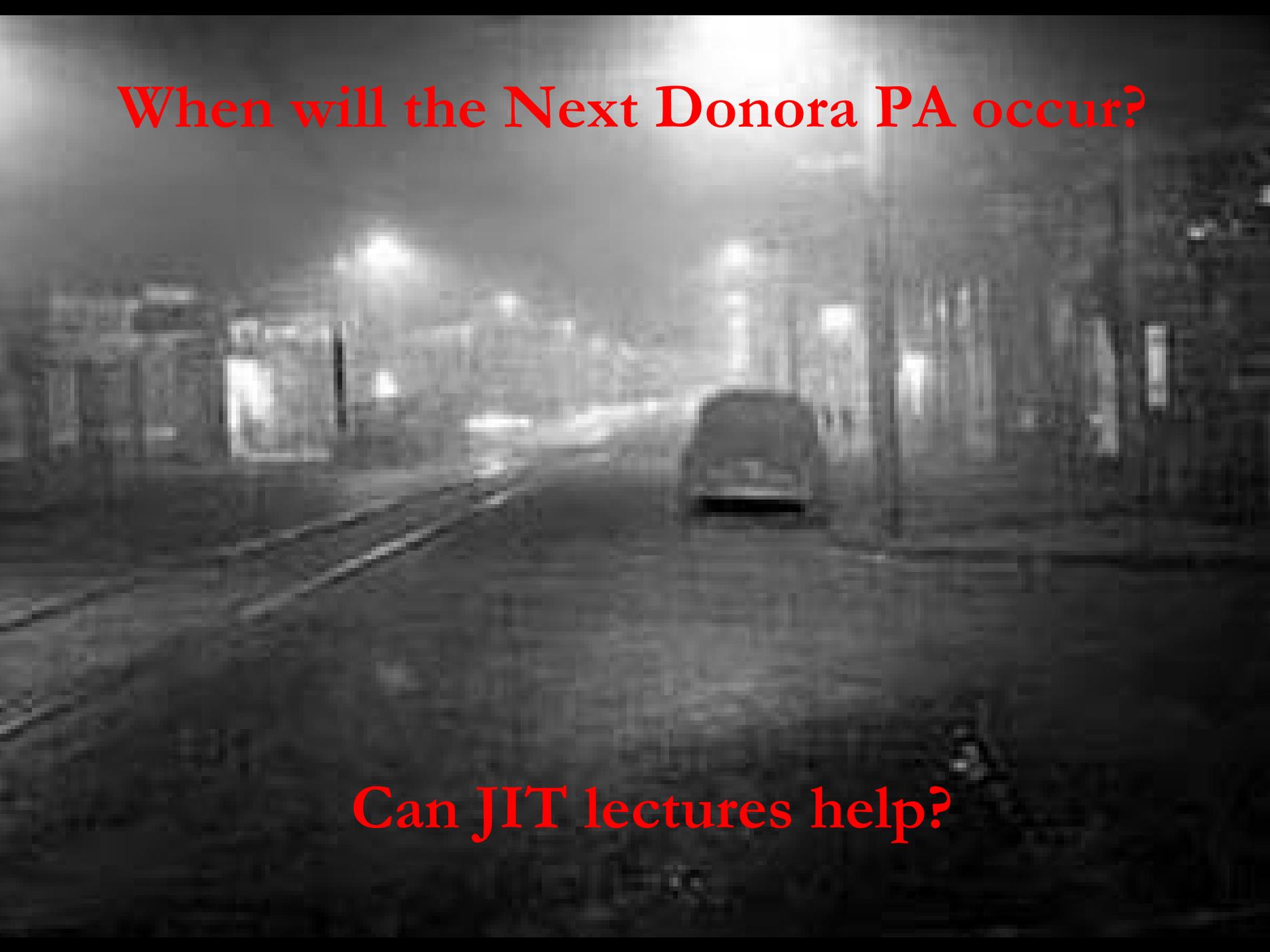
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Red	64 Knots - Cat 1
Purple	83 Knots - Cat 2
Brown	96 Knots - Cat 3
Dark Purple	114 Knots - Cat 4
Black	135 Knots - Cat 5
Black	Max Knots



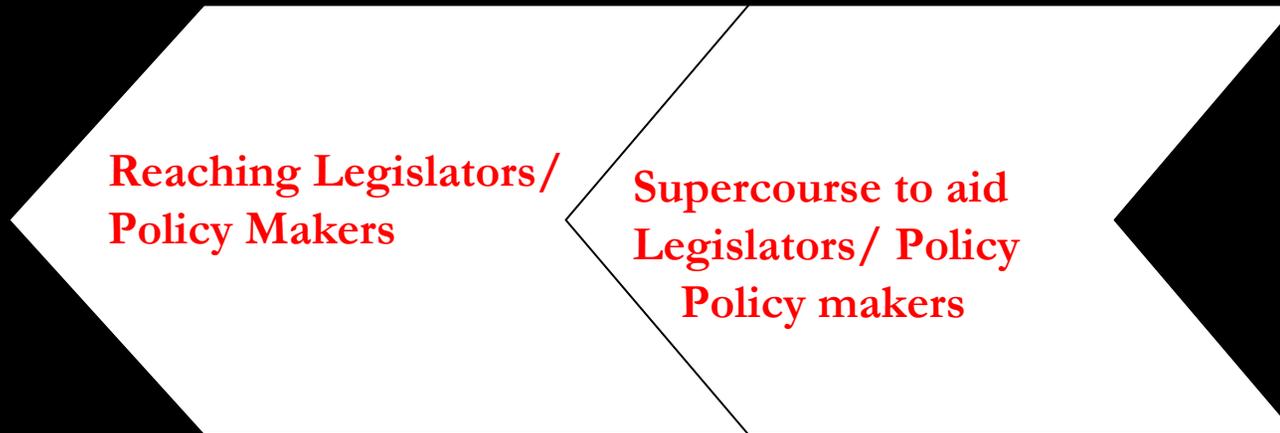
When will the Next Donora PA occur?

Can JIT lectures help?

Touch Points 4: Science and Public Policy

EPHTN

Supercourse



We want to improve Science and Public Policy.

We are 1 degree of separation from policy makers through our networking of over 80% of IOM and NAS members. We will make a major emphasis in building a Science and public policy program.

Touch Points 5: Advancing Science, and Collaboration

EPHTN

Supercourse

**Advancing EPHTN
Knowledge and
Translation to the
workforce and
population**

**Science translation to
Global Interdisciplinary
Classrooms**

Touch Points 6: Reaching the Unreached

EPHTN

Supercourse

Reaching the most
Vulnerable

Supercourse to reach
Disabled, American
Indians, Americans not
Speaking English



American Indians

Dean Seneca, MPH
CDC



Different
Languages



Disabled

Bambang Parmanto, Ph.D.
Disability and Web Access

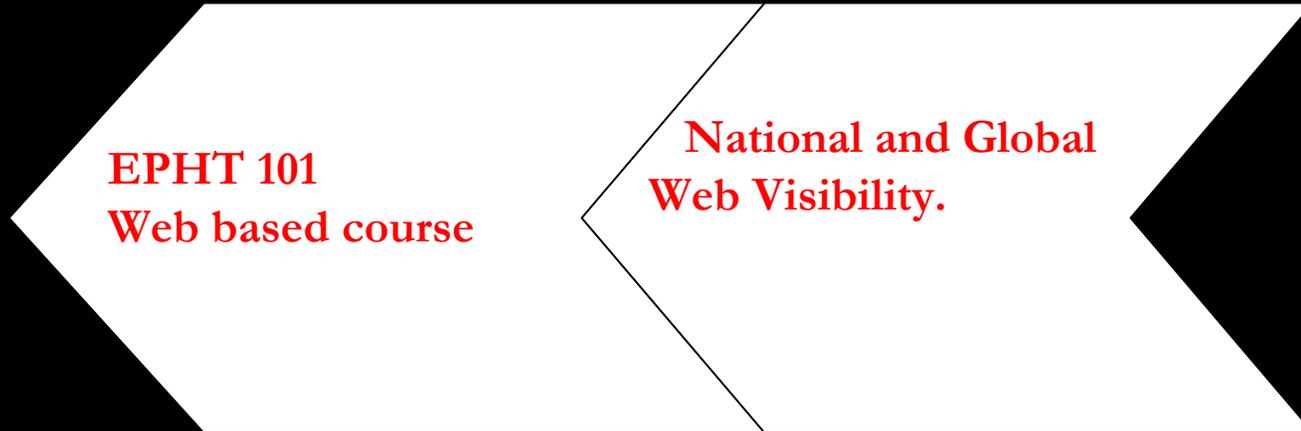
Touch Points 7: Education/Workplace Development

EPHTN

Supercourse

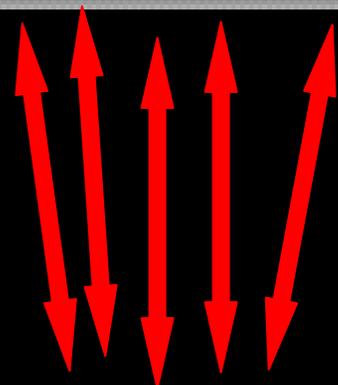
EPHT 101
Web based course

National and Global
Web Visibility.



Touch Points 8: Web Visibility







Marked Increase
In Reach and
Web Visibility to
public and legislators
for local, state,
National successes

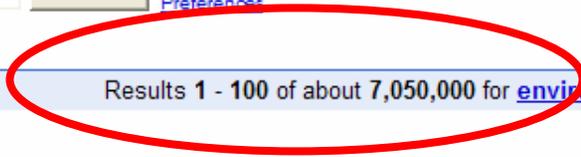


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environmental health lectures

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Web

Results 1 - 100 of about 7,050,000 for [environmental health lectures](#). (0.52 seconds)

[ICEH: Environmental Health Lecture Series](#)

Sponsored by the Seattle Biotech Legacy Foundation (SBLF) and organized by ICEH, the **Environmental Health Lecture Series** strives to educate Puget Sound ...
[www.iceh.org/CHE-WALectures.html](#) - 40k - [Cached](#) - [Similar pages](#)

[ICEH: Institute for Children's Environmental Health](#)

The fourth annual **environmental health lecture** series entitled, "Our Health, Our Environment: Making the Link," is planned for 2007. ...
[www.iceh.org/](#) - 19k - [Cached](#) - [Similar pages](#)

[Author](#)

An Introductory **Lecture** to **Environmental** Epidemiology. Part 5. Ecological Studies - Impacts of global climate change on human **health** - THE RISK OF CHEMICAL ...
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[Introduction to Environmental Health](#)

Introduction to **Environmental Health**. To begin the **lecture**, click the START button above. Objective. If you are the first time visitor, you might want to ...
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[Environmental Health : Lecture Notes](#)

Lecture 1: Introduction to **Environmental Health** (471 KB) ... **Lecture 12:** Indoor and Outdoor Air Pollution (3430 KB). > **Lecture 13:** Food- and Water-Borne ...
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[Tropical Environmental Health : Lecture Notes](#)

Lecture 1: Introduction to Tropical **Environmental Health** (5126 KB). > **Lecture 2:** Tropical **Environmental Health** - Sanitation (2201 KB) ...

Page Ranks

Environmental Health Lectures



3

74

/7,050,000

Touch Points 9: Evaluation

EPHTN

Supercourse

Evaluation

Latest Web evaluation
tools, Page Ranks, Web
statistics, Links, etc

One Measure of Impact, and Tracking Impact = Google Page Ranking

The algorithm that Google uses to determine page rankings is simple. When one searches on Google using a key phrase, the results are displayed in order of the "Google Page Rank". The Google Page Rank system interprets a link from page A to page B as a vote, by page A, for page B. In addition to the number of links, Google also looks at the page that casts the vote, such that votes cast by pages that are themselves important, carry more weight. In addition, Google also looks at the relevance of the page as regards the keywords used to search. It combines Page Rank with text-matching techniques to find pages that are both important and relevant to the search. (from Google) One obviously wants to be in the top 20, as you will not be seen. (<http://en.wikipedia.org/wiki/PageRank>)

<http://www.pitt.edu/~super1/lecture/lec26131/001.htm>

Linkov, LaPorte

Page Ranks, What do they teach us?

Climbing the Ladder of Health together

Evaluation

Improving
Web impact

Work Force
Development

Reaching
Unreached

Public
Policy

JIT

Dissemination
Translation

Network



Vision: Health Informed Communities

“translating environmental and public health data into meaningful information leads to increased knowledge; applying that knowledge leads to actions that result in health communities”

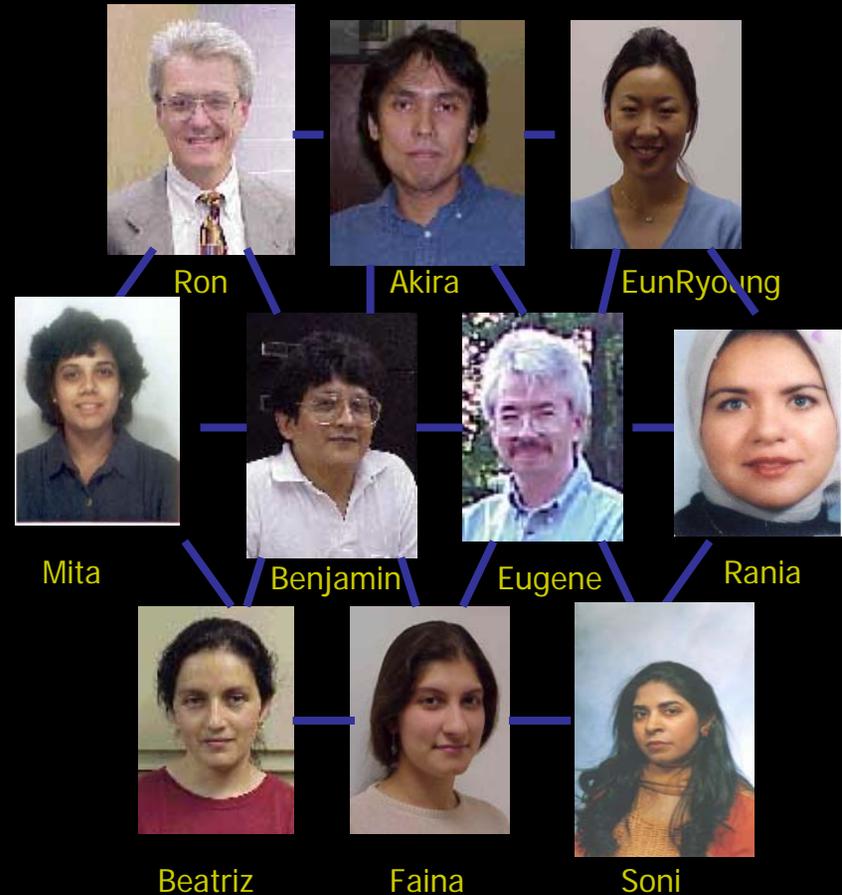
Conclusions, Possible areas we can help EPHTN?



- Workplace recruitment
- Workplace education
- Numbers trained
- Public Health Web visibility
- Legislative Visibility
- CDC Visibility
- Translation of EPHTN to Public
- Environmental JIT capabilities
- Reaching the Unreached
- Web assessment and evaluation
- Many others, thoughts??

Supercourse Developers

Ron LaPorte,	USA
Akira Sekikawa	Japan
EunRyoung Sa	Korea
Mita Lovalekar	India
Benjamin Acosta	Mexico
Eugene Shubnikov	Russia
Rania Saad	Egypt
Beatriz Rodriquiz	Mexico
Faina Linkov	USA/Ukraine
Soni Dodoni	Pakistan
Abed Husseini	Palestine





Good By CDC

Thank you for the
Opportunity

Please comment
ronlaporte@aol.com



Supercourse is a global repository of lectures on public health and prevention targeting educators across the world. Supercourse has a network of over 41000 scientists in 151 countries who are sharing for free a library of over 3000 lectures. The concept of the Supercourse and its lecture style has been described as the [Global Health Network University](#) and the [Hypertext Comic Books](#).

[Spanish Language Front Page](#)



[Chinese Language Front Page](#)

Epidemiology - Internet - Global Health

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- [Instructions for authors](#)
- [CD/DVD download](#)
- [Public Health Training in Pittsburgh?](#)

The lecture of the week - [Can the Concept of Environmental Public Health Tracking Work in a Real Life Setting?](#) (beta version for the environmental scientists)

Google Search

If you have any comments or questions on this page or the Supercourse, please contact Professor [Ronald E LaPorte](#).

- Updated (January/29/2007) -

Supercourse

[\[Lists of Lectures\]](#) [\[Front Page\]](#)

Can the Concept of Environmental Public Health Tracking Work in a Real Life Setting?



To begin the lecture, click the **START** button above.

This is a beta version. **Uploading date:** January 25, 2007

Your comments to this version would be highly appreciated as well.

If you are the first time visitor, you might want to know [\[How to navigate within and outside the lecture\]](#)

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[PPT file of the lecture](#)



University of Pittsburgh
Graduate School of Public Health
*Academic Consortium for Excellence in
Environmental Public Health Tracking
(UPACE-EPHT)*



Can the Concept of Environmental
Public Health Tracking Work in a
Real Life Setting?

Evelyn Talbott, DrPH, MPH



January 31, 2006





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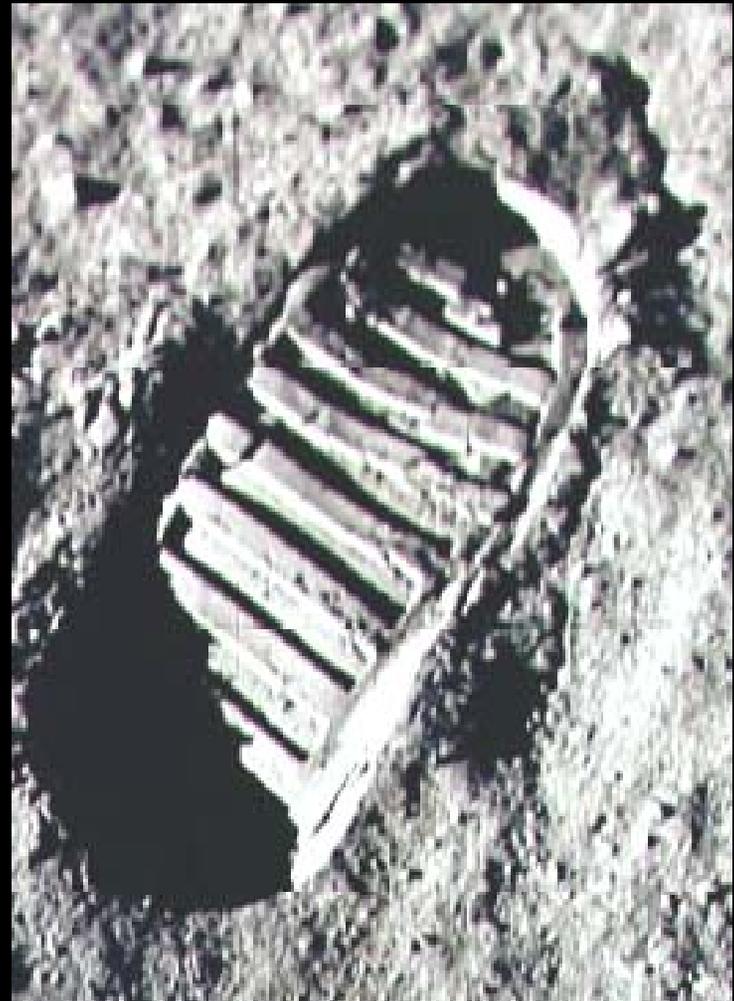
National Environmental Public Health Tracking Network

- **Institute of Medicine (1988)** noted that “the removal of environmental health authority from public health agencies has led to fragmented responsibility, lack of coordination, and inadequate attention to the health dimensions of environmental problems.”
- In **2001**, the **Pew Environmental Health Commission** issued the report **“America’s Environmental Health Gap: Why the Country Needs a Nationwide Health Tracking Network”**, which stated that “the existing environmental health system is neither adequate nor well organized, recommended the creation of a Nationwide Health Tracking Network for disease and exposures.”



As early as 1988, the Institute of Medicine noted that the removal of authority for environmental health from public health agencies had resulted in a fragmentation of responsibility and lack of attention to the health problems potentially caused by environmental influences. In 2001, the Pew Environmental Health Commission called for the creation of a national environmental health tracking network to address the need for the systematic surveillance of environmental exposures and related disease outcomes.

EPHTN
Supercourse?



www.pitt.edu/~super1/