

“The best preparation  
for tomorrow is doing  
your best today.

H. Jackson Brown Jr., author of *Life's Little Instruction Book*



Beijing, China



HEALTH  
EFFECTS  
INSTITUTE

Number 184  
January 2015

## RESEARCH REPORT

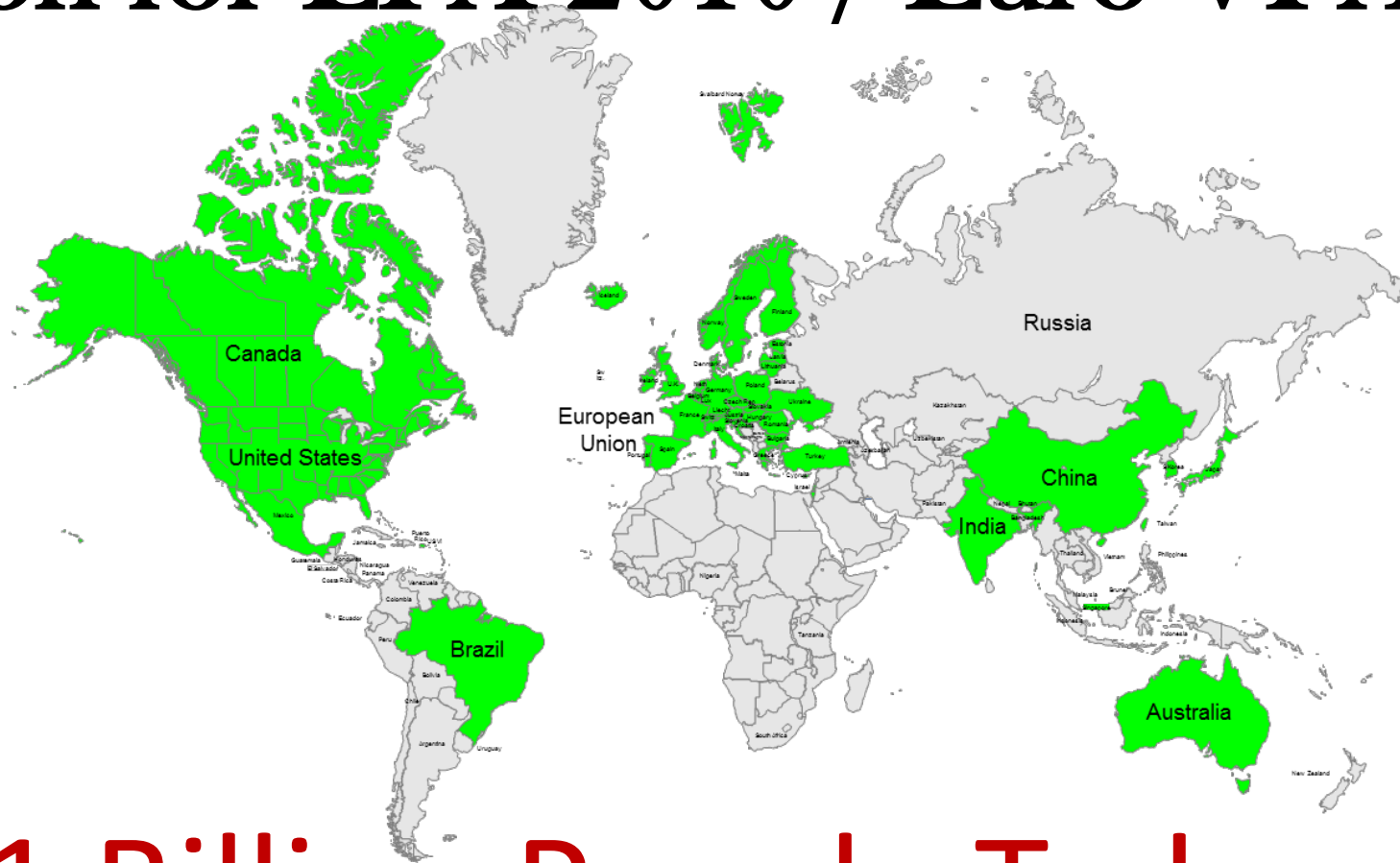
**Advanced Collaborative Emissions Study  
(ACES): Lifetime Cancer and Non-Cancer  
Assessment in Rats Exposed to New-  
Technology Diesel Exhaust**

**Dan Greenbaum, President of HEI:**

*“These results confirm the great strides that government and industry have made to reduce diesel risk – and argue for even greater efforts to accelerate the replacement of older diesel engines.”*

**STUDY OF LIFETIME ANIMAL EXPOSURE TO NEW TECHNOLOGY  
DIESEL ENGINE EXHAUST FINDS NO LUNG CANCER**

# Projection for EPA 2010 / Euro VI Adoption



**1 Billion People Today...**  
**+ 3 Billion People in Next 5 Years**

# HD Emissions Program Priorities

- Holistic Approach
- National Program
- Performance-Based
- Real-World Reductions
- Technology-Enabled Enforcement

# Spot the automobile?

Easter morning 1900: 5<sup>th</sup> Ave, New York City



# Spot the horse?

Easter morning 1913: 5<sup>th</sup> Ave, New York City



# Disruptive Trends

AUTOMATION

CONNECTIVITY

ENERGY DIVERSITY



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