

# Aim High for ALAN Awareness



Robert Dick

The Royal Astronomical Society of Canada  
rdick@robertdick.ca

# Quiz

How many are amateur / professional astronomers?

How many are from academia?

How many represent governments?

How many represent NGOs?

How many have the authority to specify  
and order outdoor lighting?

# Meetings with Gov't Officials



“Public” Congratulations

## Early in-put Cities as “Colleagues”



Robert Dick (RASC)

Lennox Lue (MRC)

3/14

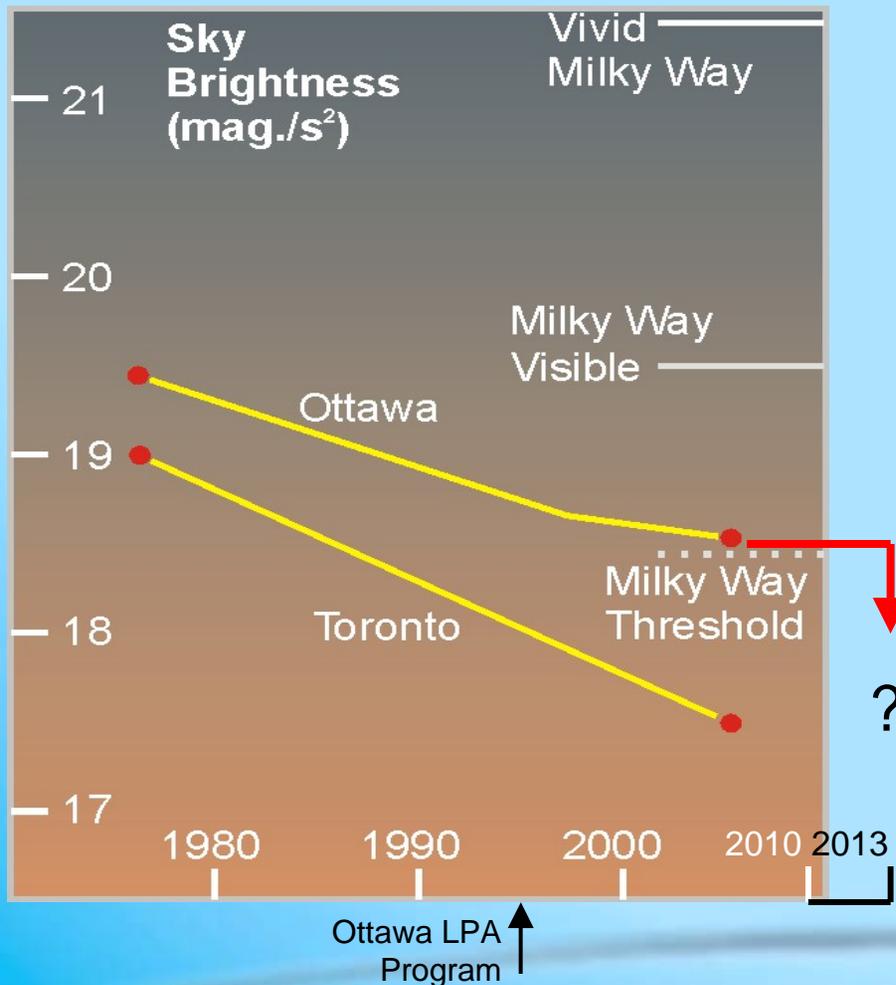
Mario Tedesco (MRC)

Gary Boyle (RASC)

Chris Brouwer (Ottawa)

February 27, 2007

# LP Trends



## Complacency

*1990s*

*>2007*

Practice (Meetings) → Theory (Studying)

Lobbying → Theory

Warning:

You mustn't reduce political pressure

3-Examples

# Keystone Summit, Flagstaff AZ

August 2014





# Perimeter Booths

**Government**  
Nat'l, State, Towns

**Industry**  
Luminaires

**Researchers**  
Astro, Environ. Lighting

**NGOs**  
IDA, Environ, RASC

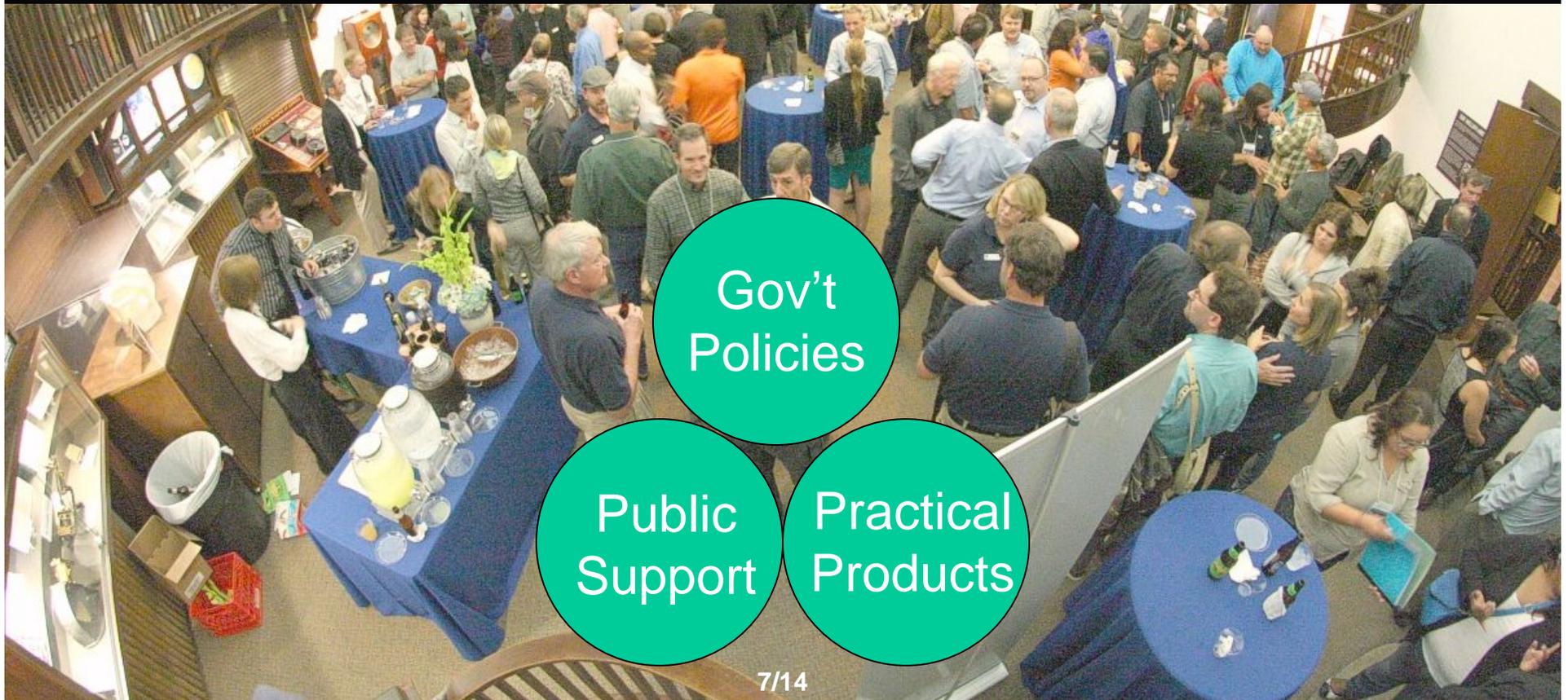
**Citizens**



# Keystone Summit

Optimism - goals are practical

Enablers: New policies, LPA specifications,  
Market for new luminaires



# Sydney Skyline by Starlight



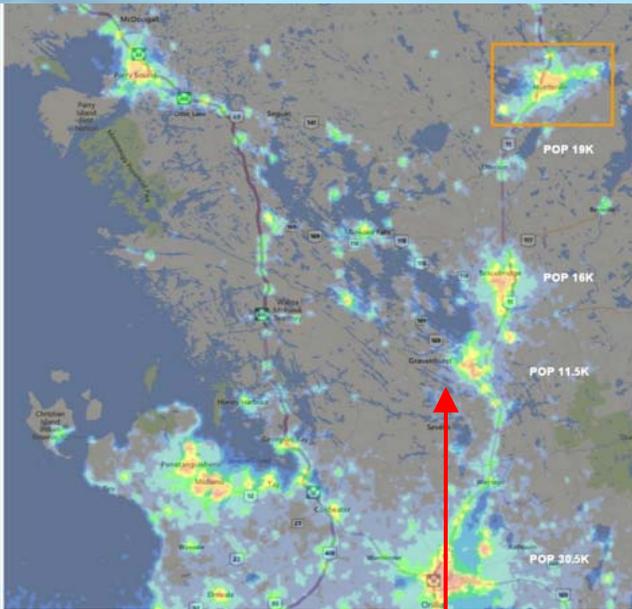
sans luminaire

The World Park Congress  
2014, Sydney, AU



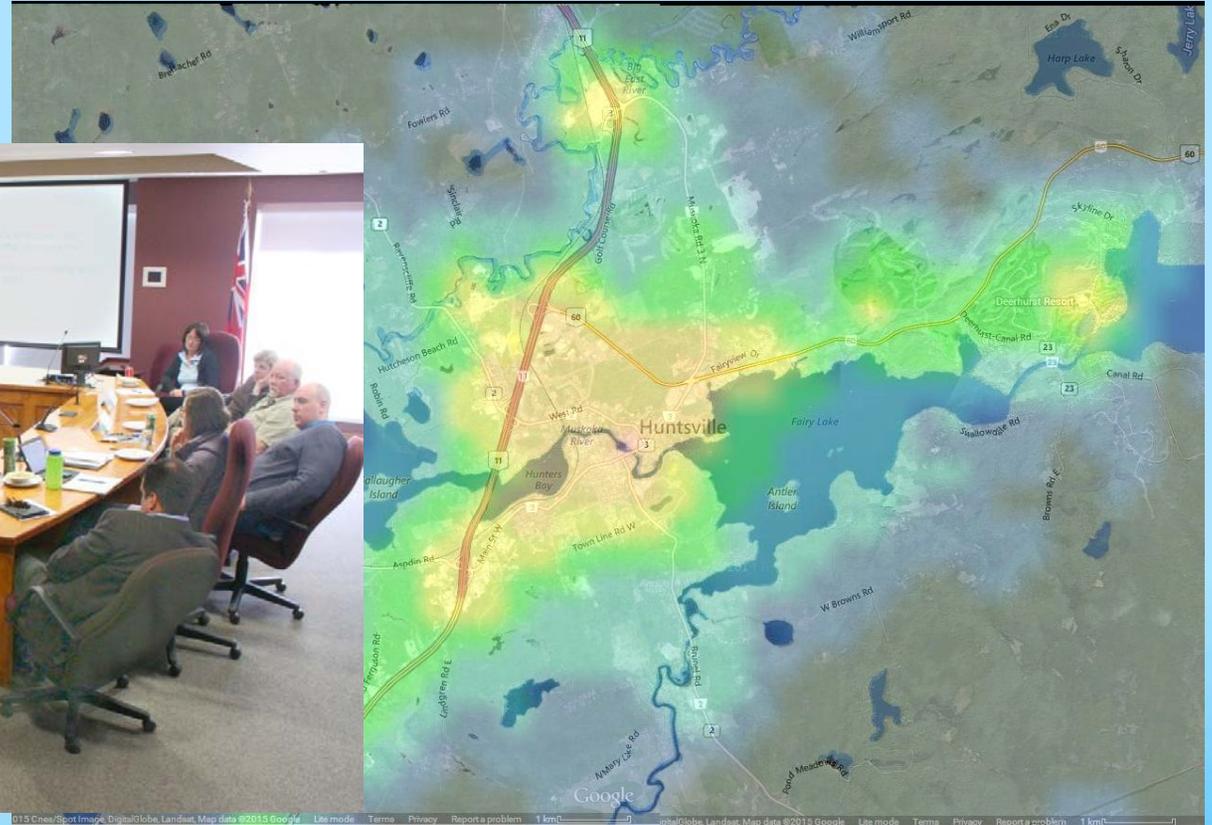
Royal Astronomical Society of Canada  
(RASC)  
Guidelines for Outdoor Lighting  
in  
Dark Sky Preserves  
(RASC-DSP\_GOL)  
Adopted by  
Parks Canada  
The RASC  
The International Darksky Association





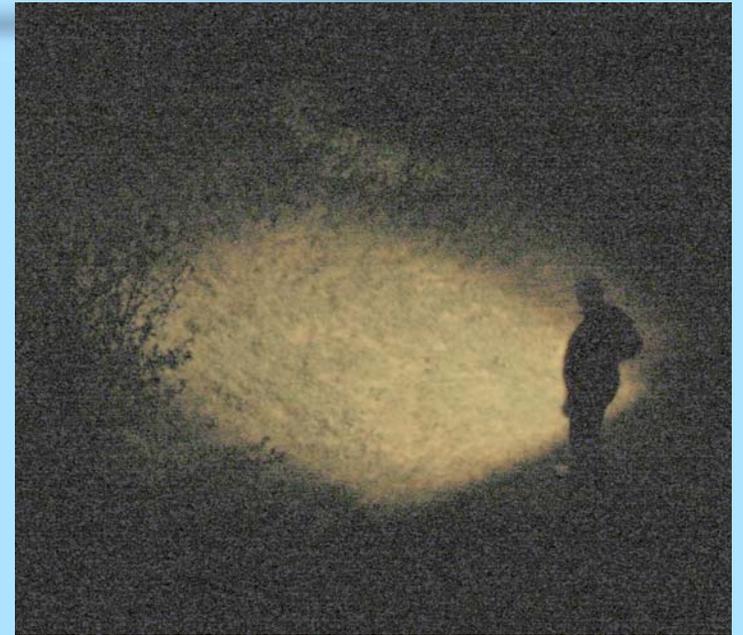
Torrance Barrens

# Muskoka, ON

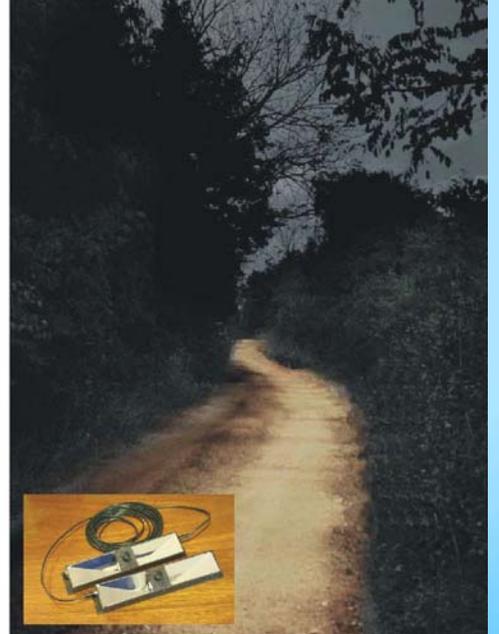


# Low-Impact Products

They must be available,  
and “seen” to be available



Early adopters  
Field demos



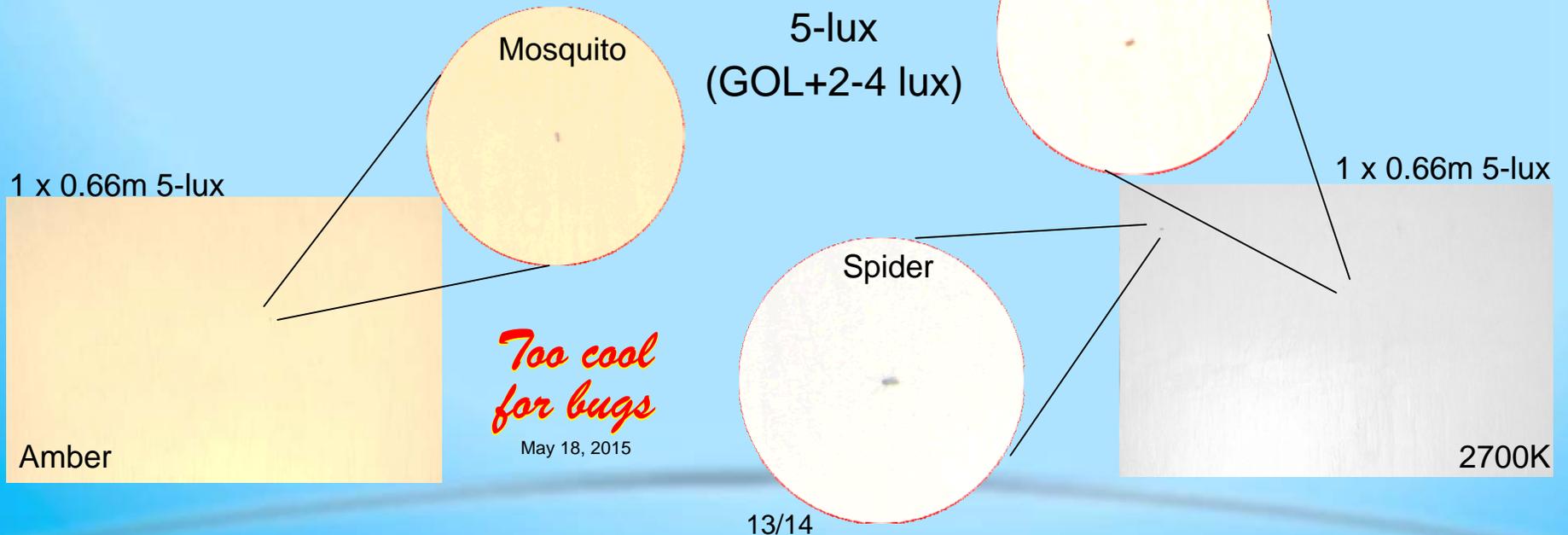
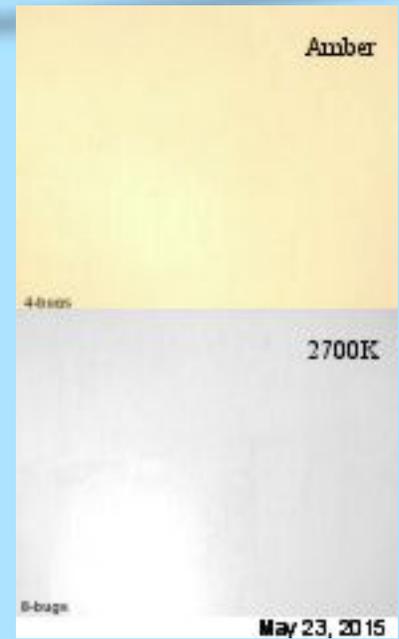
But are they  
“Low-Impact”?

Theory vs Practice  
(field testing)

# Prove it!

## Attraction of Insects

- 1m x 1m screens
- Summer 2015 (CSbG-Amber, 2700K, and others)



# Conclusions

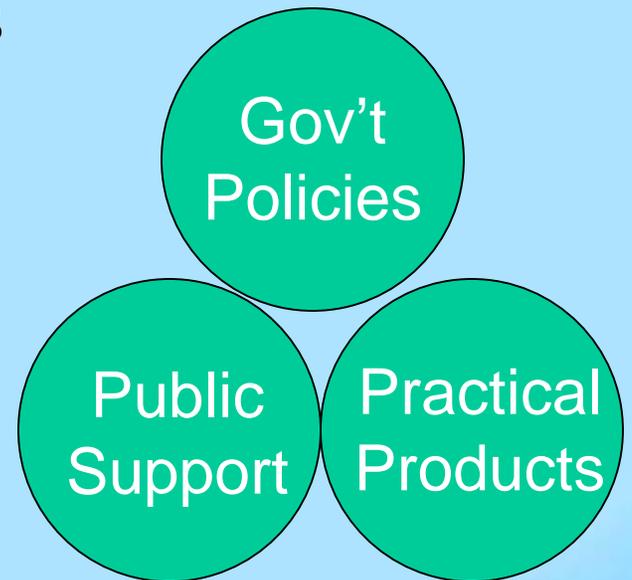
Study vs Lobby

Is there a  
problem?

Policy, Planning  
Bylaws

Target NGOs  
(media & political savvy)

Make-a-Market  
for low-impact luminaires



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