

The control of the effects of the artificial light at night –  
**doing our part!**



HSBC

**ALAN 2015**  
Sherbrooke, Québec

Mihai R. Pecingina, P. Eng. — Consultants DND, President IDA Quebec  
Jean-François Longchamps — EALUX and IDA Québec member)

# History



**EALUX**  
CONSULTANT EN CONTRÔLE DE L'ÉCLAIRAGE URBAIN



## Mission:



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- The mission of the International Dark-Sky Association (IDA) is to preserve and protect the nighttime environment and our heritage of dark skies through environmentally responsible outdoor lighting.
- Provide information in french

# Founding Members:



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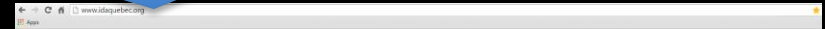


2010



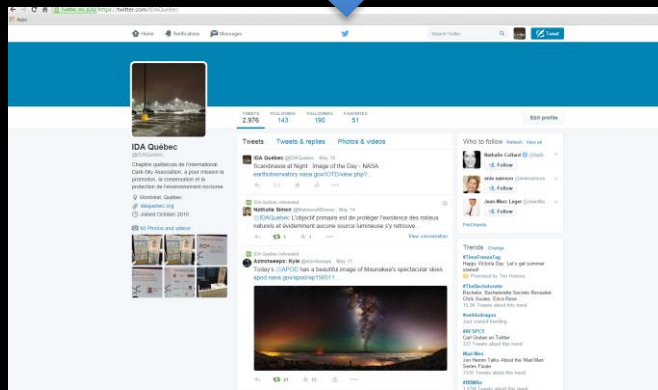
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<http://www.idaquebec.org/>



la lumière... sans nuisance  
(Version Française)  
from bright light to right light  
(English version)

@idaquebec



2010



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## Earnings:

### - Membership

#### - Members profile:

- Astronomers
- Scientifics
- Cities
- Lighting designers
- Lighting manufacturers
- Lighting distributors
- Lighting control contractor
- Engineers
- Architects, urban planners
- Utility

### - Sponsorship

- FAAQ contributed much more than every other sponsor each year



## Sponsors 2015:



DND Consultants  
EALUX



Cyclone Lighting  
Ville de Montréal



Stanpro Lighting Systems



## Before 2010:



FÉDÉRATION DES ASTRONOMES AMATEURS DU QUÉBEC  
4945, AV. Pierre De Coubertin, C.P. 1000, Succursale M, Montréal (Québec) H1V 3R2  
Téléphone: (514) 252-3038 - Télécopieur : (514) 251-8038

### RÈGLEMENT TYPE SUR L'ÉCLAIRAGE EXTÉRIEUR

Document préparé à l'intention des municipalités et MRC du Québec

Par Chloé Legris, ing.  
Avec la collaboration de la section québécoise de  
l'International Dark Sky Association (IDA)

Pour la Fédération des astronomes amateurs du Québec (FAAQ)





## The training on light pollution:

- More than 400 participants - mainly from municipalities (municipal inspectors, managers, planners, elected officials etc.) but also engineers, lighting designers

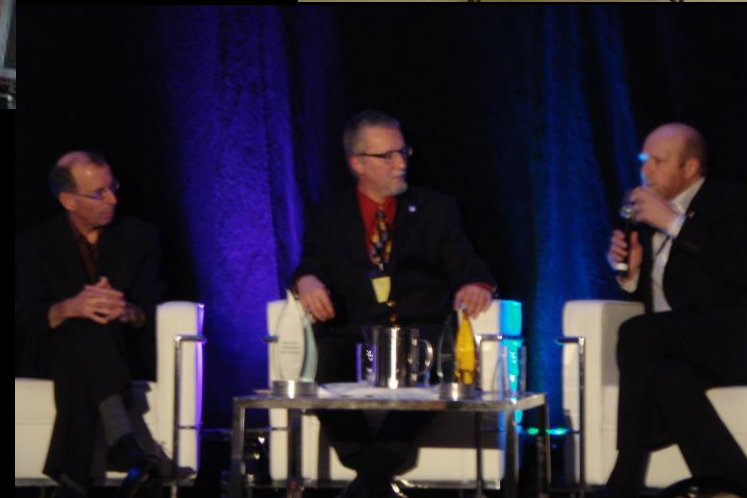


# Activities – after 2010



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## Participate to congresses, expositions, shows and other events related to our mission





## The Library

**IDA QUÉBEC** From bright light to right light!

BRILLANT NEWS THE LIGHT POLLUTION ABOUT IDA QUÉBEC PHOTOS LIBRARY TRAINING

Home » Library

### Library

Faithful to its mission, IDA Quebec offers in this section links to articles and publications on light pollution, its effects and other topics of interest. The opinions expressed in the documents belong to their authors and are not necessarily shared by IDA Quebec.

Titles that don't have an Internet link and are marked "pdf" are available only for the IDA Quebec's members.

You can report a broken link to this email address: [web@idaquebec.org](mailto:web@idaquebec.org).

Categories:

- light pollution
- light at night
- energy efficiency and other economic aspects
- the impact of light pollution on biodiversity
- stars and astronomy
- statements; parks and dark-sky reserves
- lighting and LED
- street lighting and security
- bylaws and their application
- billboards
- eye and vision
- sleep and health
- pictures and movies on light pollution

**LIBRARY**

- LIGHT POLLUTION
- LIGHT AT NIGHT
- ENERGY EFFICIENCY AND ECONOMICS
- IMPACT ON BIODIVERSITY
- STARS, ASTRONOMY
- STATEMENTS; PARKS AND DARK-SKY RESERVES
- LIGHTING AND LED
- STREET LIGHTING AND SECURITY
- BILLBOARDS
- EYE AND VISION
- SLEEP AND HEALTH
- BYLAWS AND THEIR APPLICATION
- VIDEOS AND PICTURES
- IF YOU WANT TO BUY
- PPS OF OUR MEMBERS

# Activities – after 2010



## Excellent collaboration with IES Montreal (Montreal section of IESNA)





## Activities – after 2010



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In 2014 initiate the “Prize IDA Quebec” for the most “Dark-Sky friendly” outdoor lighting project (in collaboration with IES Montreal)

2014



# Activities – after 2010



In 2014 initiate the “Prize IDA Quebec” for the most “Dark-Sky friendly” outdoor lighting project (in collaboration with IES Montreal)

PRIX LUMIÈRE 2015

PRIX IDA QUÉBEC ET MENTION HONORABLE  
ÉCLAIRAGE ROUTIER DU BOULEVARD LAVIGÈRE À SHERBROOKE



CONCEPTEUR LUMIÈRE  
LES SERVICES EXP'INC

2015



# Activities – after 2010



## Translated in French MLO and elaborate our own by-law proposed to the municipalities

Projet de traduction, promotion et communication pour la province de Québec, Canada, piloté par



(chapitre québécois de l'International Dark-Sky Association)

En partenariat avec l'Association québécoise pour la maîtrise de l'énergie (AQME)



Version française par un Comité de l'IDA Québec  
Mihai R. Pecingina, ing., Groupe SMI  
Patrick Martineau, ing., Hydro-Québec  
Mathieu Gillet, M.Sc., AQME  
Éric Ladouceur, tech., IESNA, Philips-Lumec



**Illuminating**  
ENGINEERING SOCIETY



IDA-IES conjointement

**RÈGLEMENT TYPE  
SUR L'ÉCLAIRAGE  
EXTÉRIEUR**

**avec MANUEL  
DE L'UTILISATEUR**

(version française de la « Model Lighting Ordinance – MLO »)

15 novembre 2012



## Training on light pollution - update







## 8 novembre 2014

Présenté par :

**Éric Le Couédic, ing.**

Directeur – Démarches d'accompagnement  
en efficacité énergétique, AQME



## ÉCLAIRAGE EXTÉRIEUR ET ENVIRONNEMENT NOCTURNE

POUR UNE MEILLEURE GESTION DE LA LUMIÈRE ARTIFICIELLE



# Activities – after 2010



Éclairage extérieur et environnement nocturne

POUR UNE MEILLEURE GESTION DE LA LUMIÈRE ARTIFICIELLE

CAHIER DU PARTICIPANT

Logos of various organizations including the Government of Quebec, the Ministry of Environment and Parks, and the Société québécoise de l'éclairage.

IDA Practical Guide

Topic: Residential Lighting (Good Neighbor Guide)

M

Logos of the Government of Quebec and the Société québécoise de l'éclairage.

IDA Practical Guide

Topic: Introduction to Light Pollution - What's the Problem?

F

Logos of the Government of Quebec and the Société québécoise de l'éclairage.

Logos of the Government of Quebec, the Société québécoise de l'éclairage, and the Société québécoise de l'éclairage.

Objectifs

- Définir les impacts et les effets des technologies d'éclairage extérieur disponibles sur l'environnement nocturne.
- Présenter comment les mesures de réglementation peuvent contribuer à l'éclairage extérieur.
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Objectifs de la formation

- Les impacts, directs et indirects, des technologies d'éclairage extérieur disponibles sur l'environnement nocturne.
- Les principes de l'éclairage extérieur et les principes de l'éclairage extérieur.
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Image of a night cityscape.

Logos of the Government of Quebec and the Société québécoise de l'éclairage.

IDA Québec

5e Rencontre municipale de l'énergie

# Activities – after 2010



**Norm on the outdoor lighting to reduce the light pollution**

**\* Summer 2015 – public consultation**

# Activities – after 2010



## Working with the kids





# Activities – after 2010

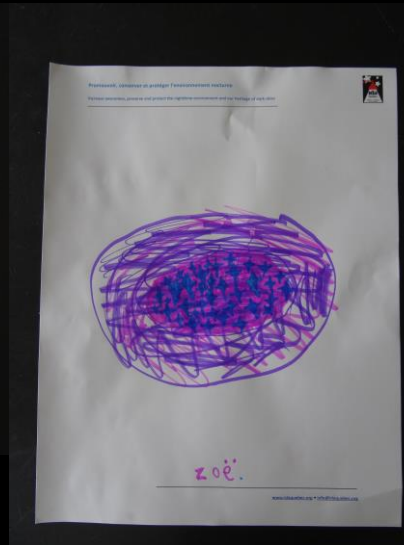
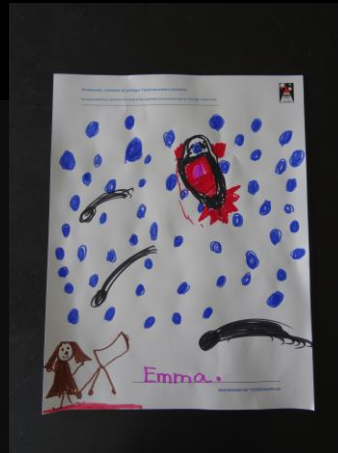
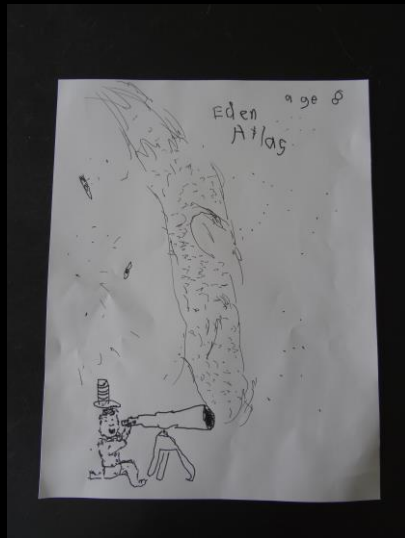


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## Working with the kids



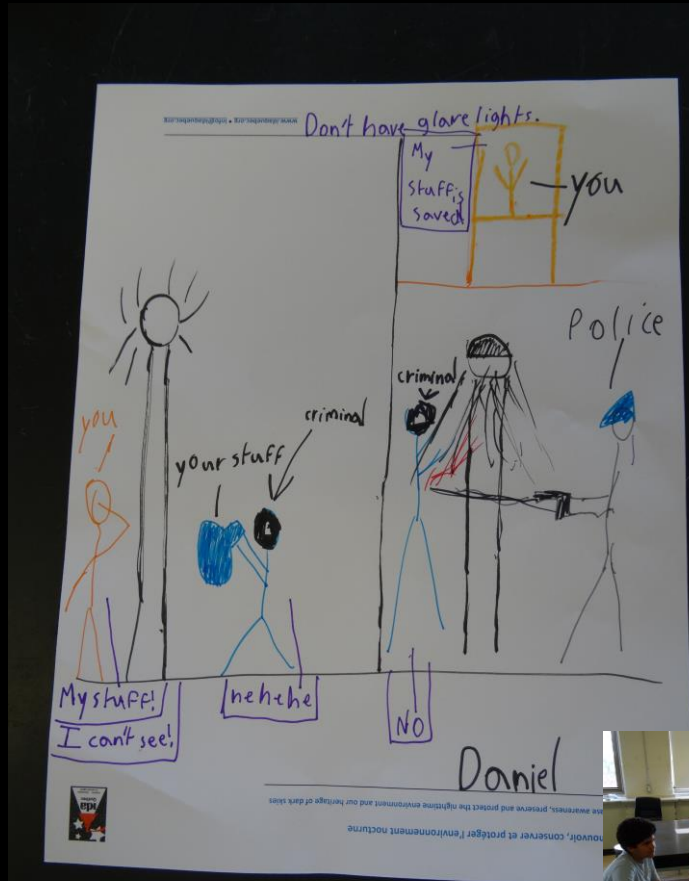
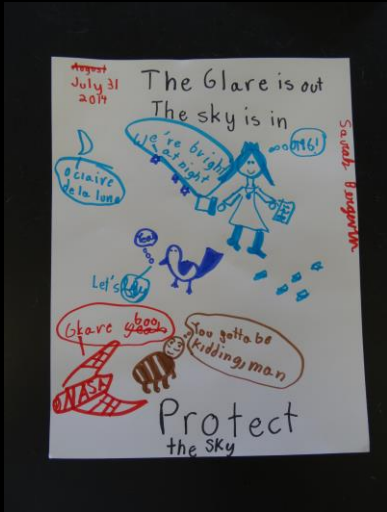
## Working with the kids



# Activities – after 2010



## Working with the kids



## In the future



- **Promote, develop and update training and norm**
- **Support the scientific research in this field**
- **Partnership with sustainable development organizations**
- **Expand and diversify the activities for kids**
  - **3 levels of achievement (Dark-Sky Warrior - beginner, intermediate, expert)**
  - **Contests with more important gifts (involving the parents)**
- **Develop activities for and with municipalities**
  - **Support in the implementation of good lighting systems (help with the RFQ documents)**
  - **Support in finding financing (in collaboration with our strategic partners)**
  - **Support in the understanding of the use and maintenance**
  - **Active promotion of the adaptative control of the outdoor lighting**
- **Develop activities with the lighting community**





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