the en.lighten initiative
Global Partnership Programme:
Outreach to Manufacturers

Kathryn M. Conway

United Nations Environment Programme

UNEP/GEF en.lighten initiative

- Established to accelerate global market transformation to environmentally sustainable lighting technologies by developing a coordinated global strategy and providing technical support for the phase-out of inefficient lighting by the end of 2016

- Public-private partnership project funded by the Global Environment Facility (GEF) Earth Fund.

- To date, 3 organizations provide significant in-kind support: National Lighting Test Center (NLTC, Beijing); Osram GmbH; and, Philips Lighting.

- Parent organization is the United Nations Environment Programme, Division of Technology, Industry and

Why Change Lighting?

- Illumination accounts for 15% to 40% of annual electrical consumption in nations and ~15% of global electricity consumption.

- When electricity is generated from fossil fuels, greenhouse gases are emitted, accelerating climate change. Illumination is responsible for nearly 6% of these emissions.

- If electrical demand is reduced or held constant, fewer power plants are necessary, so savings can be invested elsewhere.

- As countries and populations grow, become more urban and more industrial, electrical supply cannot reliably meet demand in many areas. Power outages lower productivity.
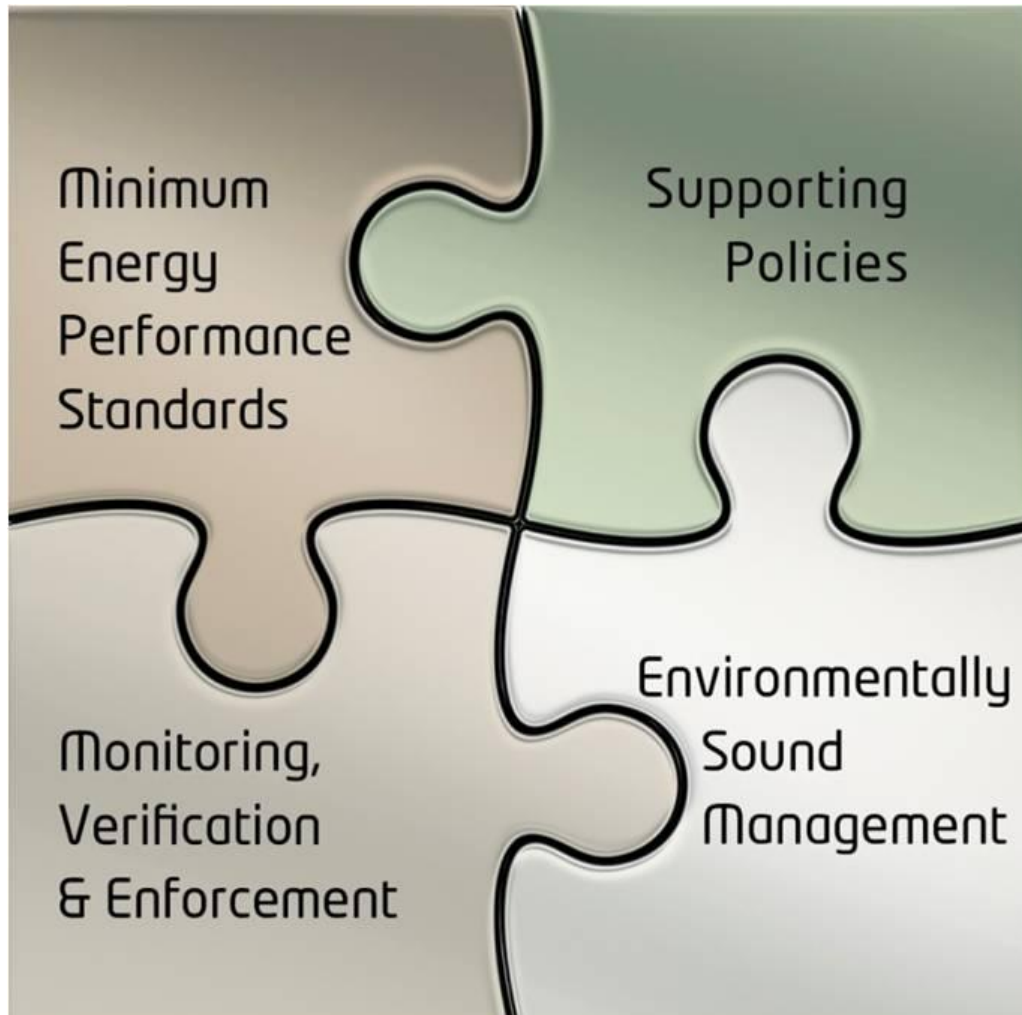
en.lighten UNEP

Global Partnership Programme Update

- Open to all developing countries worldwide

- 46 Country Partners to date, including Indonesia, Pakistan, Philippines, Thailand, Tonga

- Workshops in 2012-2013 in countries ready to transition to efficiency: Central America, Chile, ECOWAS (West Africa), India, Jordan, Morocco, Philippines, Tunisia, Uruguay

- Outcome: Integrated policy approach (laws) to accelerate use of efficient lighting technology and phase-out inefficient incandescent lamps

- These are markets that want to increase access to good quality, reasonably priced and efficient lamps

en.lighten UNEP

Integrated Policy Approach

Emerging Policy Issues

- First cost of lamps and financing are major barriers

- Interest in LED lamps and street lights, but governments are very concerned about quality, energy performance and life of product

- Many countries are/will be adapting the European Commission model for minimum energy performance standards, labels, and spent lamps

- Countries are concerned about mercury-added lamps and how they can set up programs to collect, recycle and capture value from spent lamps. The trend is toward "Extended Producer Responsibility" (EPR) schemes.

en.lighten   UNEP

Resources Update

Country Lighting Assessments: 100 countries, accounting for 95% of global lighting
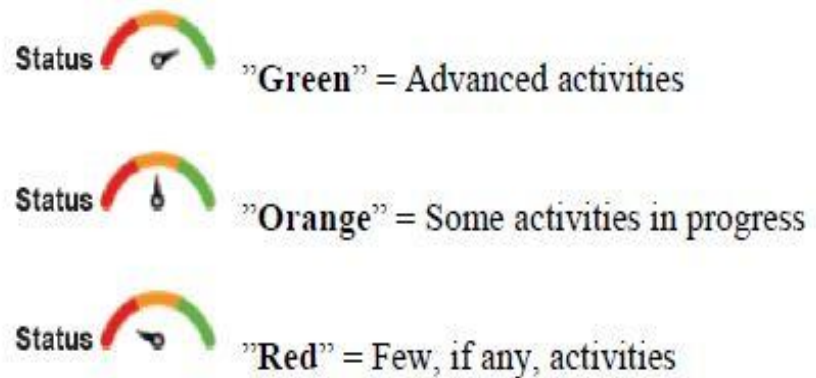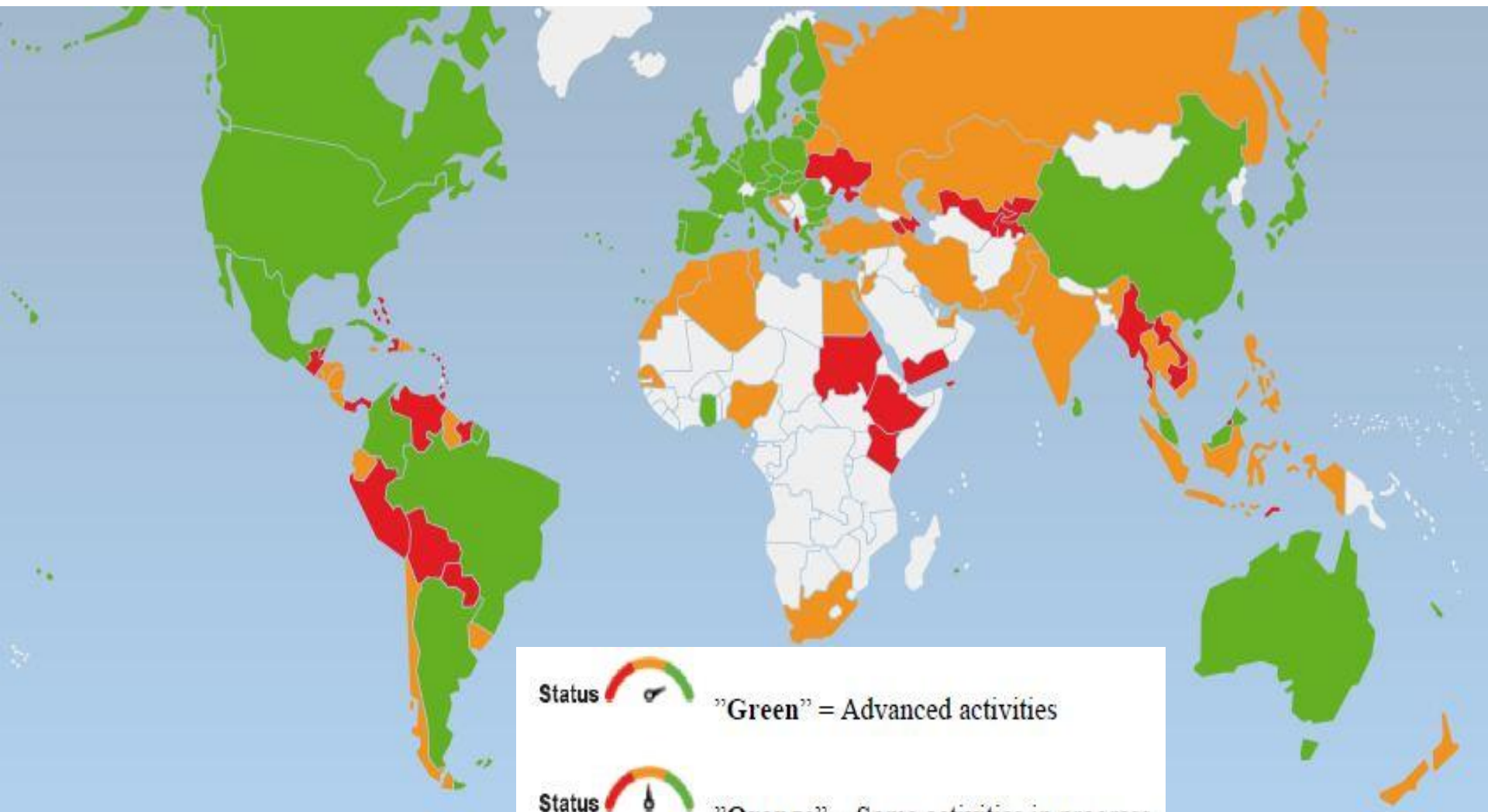
- Now includes residential, commercial/industrial and outdoor lighting with controls

Global Lighting Policy Map

- Rates activity level for four elements of an integrated policy approach:

- Presently includes residential lamps

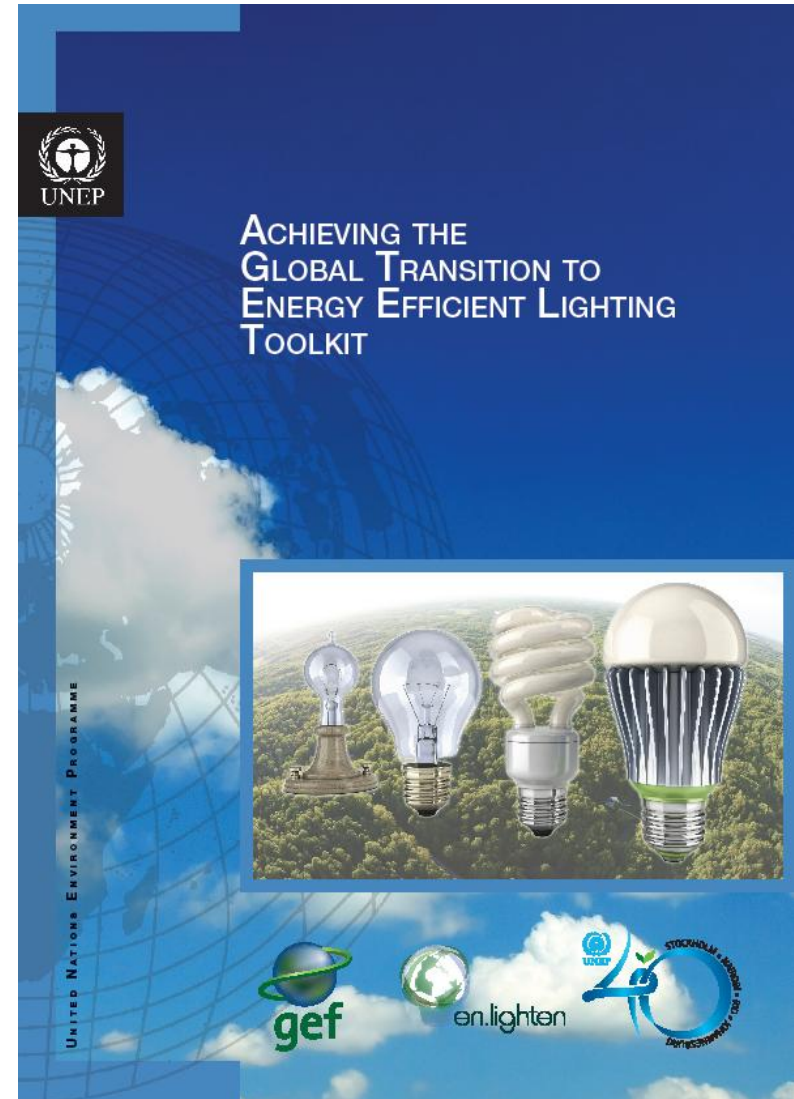- 2013 release will include all other lighting appliance legislation

Global Lighting Policy Map

Status — "Green" = Advanced activities

Status — "Orange" = Some activities in progress
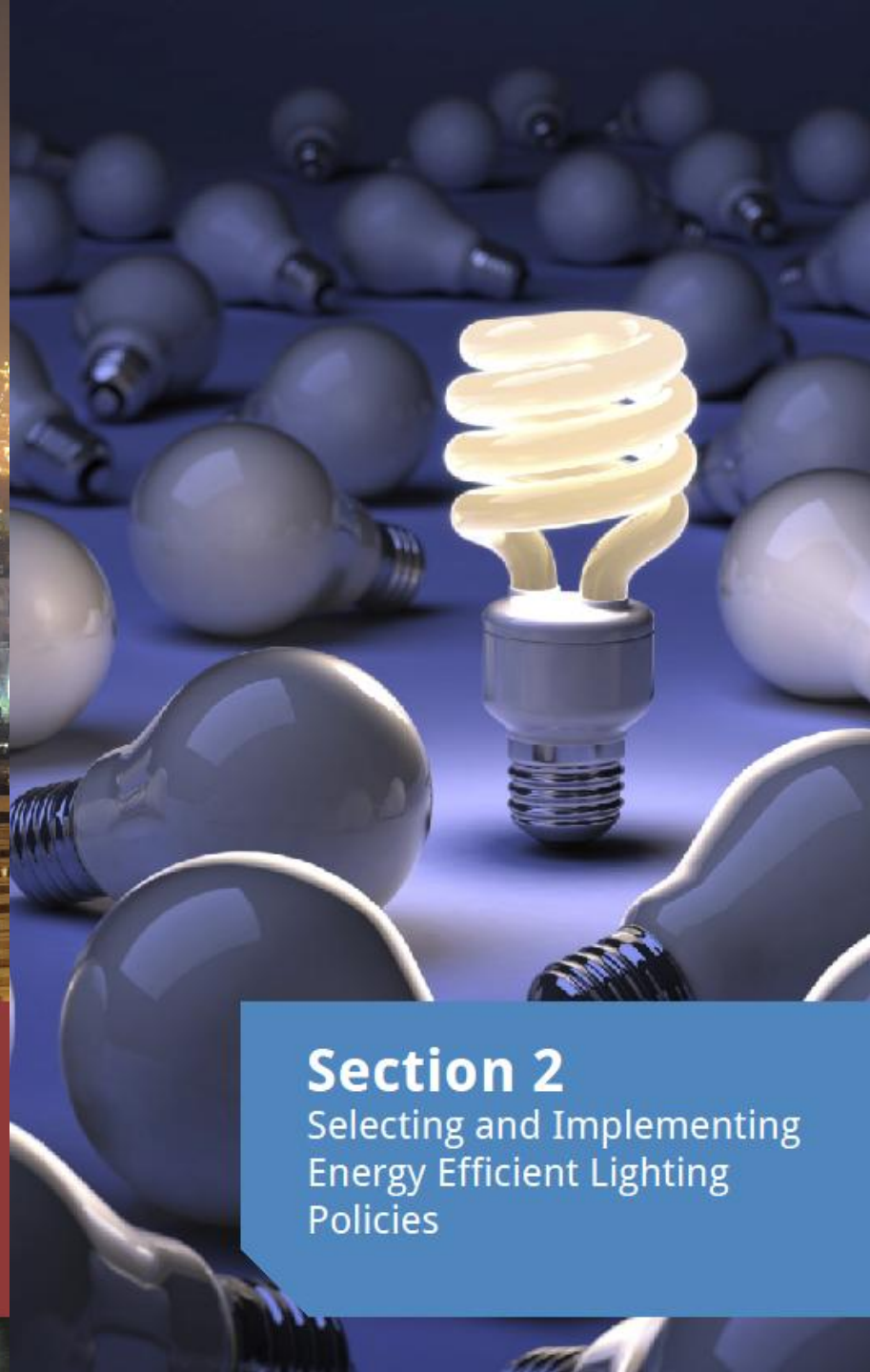
Status — "Red" = Few, if any, activities

Achieving the Global Transition to Energy Efficient Lighting Toolkit

- Can be used to introduce policy makers to the benefits of widespread adoption of efficient lighting products

- Available now for download in English & Spanish

- Arabic, French & Russian forthcoming

- Series of webinars will cover each section, with guest experts

- **www.enlighten-initiative.org**

Section 1
Making the Case

Section 2
Selecting and Implementing
Energy Efficient Lighting
Policies

Section 3
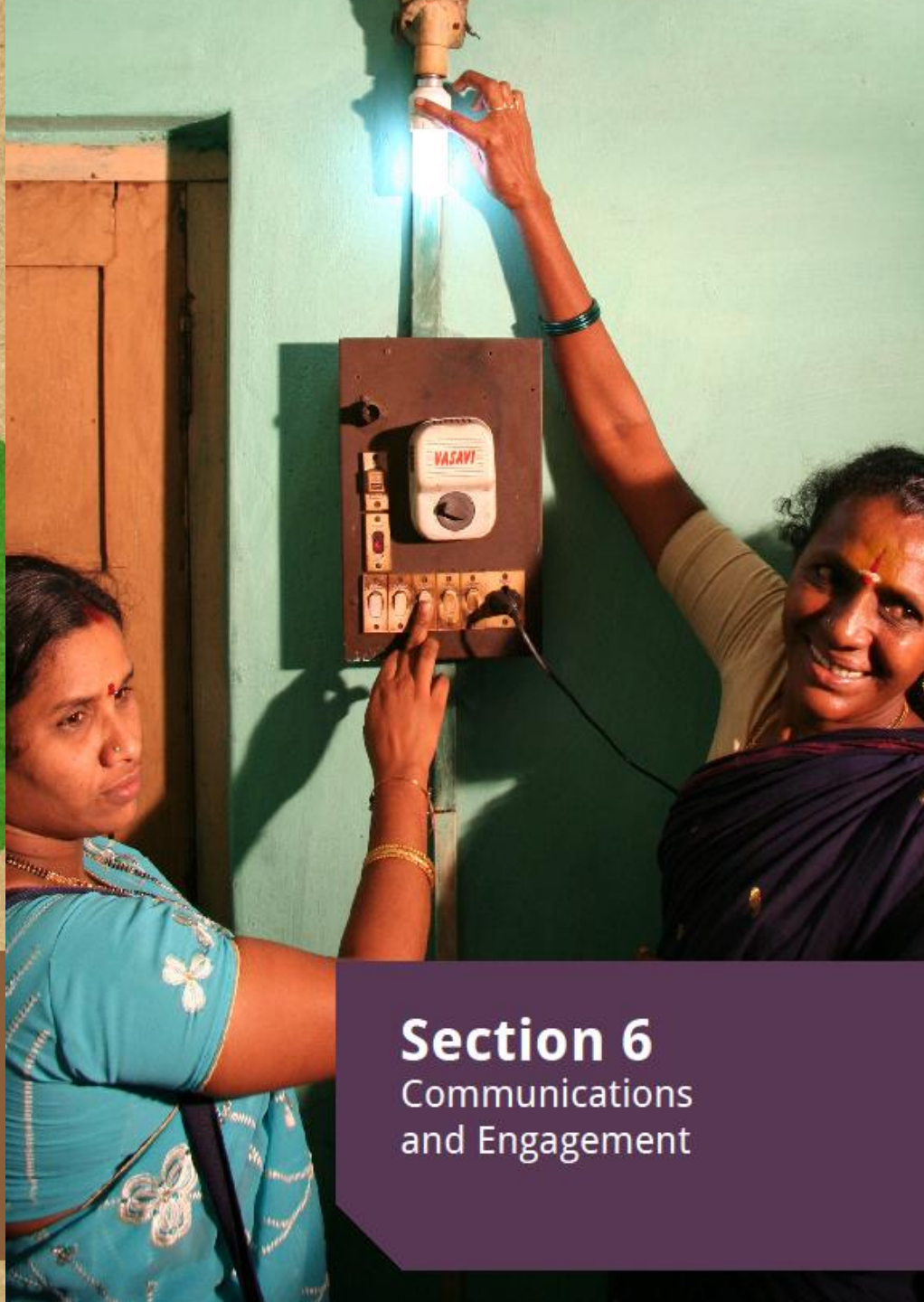Financing the Transition to
Energy Efficient Lighting

Section 4
Ensuring Product Availabi[...]
and Conformance

Section 5
Safeguarding the
Environment and Health

Section 6
Communications
and Engagement

Collaboration with the Private Sector

- UNEP encourages public-private partnerships

- The en.lighten initiative welcomes support and expertise from the lighting and controls industries

- For example, lamp manufacturers co-finance the initiative's activities by participating in en.lighten task forces and providing experts for workshops in countries

- We are seeking co-sponsors for a 2013 UNEP/GEF forum, "Global Lighting Policy Dialogue"

Supporting the en.lighten initiative

Contact: Mr. Gustavo Manez, project manager

Gustavo.Manez@unep.org

Thank you!