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LED

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## NO NEED TO WAIT: ACCELERATING ADOPTION OF ENERGY EFFICIENT LED STREET LIGHTING

**Announcement of a consultation process to identify and address the remaining adoption barriers for cities**

LED consultation – Davos | January 2014

In 2012 The Climate Group, supported by Philips Lighting, launched the LightSavers<sup>1</sup> Lighting the Clean Revolution report<sup>2</sup>, which summarizes lighting trials from 10 cities around the globe. The results demonstrate the maturity, the significant energy saving benefits, and the enhanced and flexible public lighting capabilities that LED (light emitting diode) technologies can uniquely provide.

Lighting represents up to 19% of global electricity consumption<sup>3</sup>. The operating efficiency, extended lifetimes, and adaptive control capabilities of LEDs can provide electricity savings of 40-70%, rising even further with the use of smart sensors and dimming controls. The potential savings of large-scale replacement of conventional street lighting with LEDs can no longer be ignored. For cities there is no need to wait.

At Rio+20 in 2012, The Climate Group's CEO Mark Kenber called for a global acceleration of large-scale LED adoption, asking for, "All new public lighting – both street lighting and in public buildings – to be LED (or as efficient) by 2015, with the aim of all public lighting being the same by 2020."

And LEDs are already in operation in many cities around the globe, delivering on projected performance and energy savings – with key lessons learned that can be applied in other locations. But in 2014, some barriers to adoption still remain for cities.

To identify and resolve these barriers to adoption of LED street lighting, building on the Rio+20 call, The Climate Group, supported by Philips Lighting, is launching an LED procurement consultation over the period Q1-Q3 of 2014 to work with cities, states and regions, and a broad range of LED lighting stakeholders. With a focus on identifying practical solutions and addressing specific geographical challenges, the consultation process will address topics such as LED benefits, new approaches to LED financing, risk allocation, intelligent versus smart lighting, smart controls, future-proofing, standards, quality thresholds, and related socio-economic benefits from LED lighting.



Lightsavers report, 2012

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<sup>1</sup>The LightSavers program at The Climate Group is now known as LED lighting

<sup>2</sup>[http://thecleanrevolution.org/\\_assets/files/LED\\_report\\_web1.pdf](http://thecleanrevolution.org/_assets/files/LED_report_web1.pdf)

<sup>3</sup><http://www.iea.org/textbase/npsum/III.pdf>

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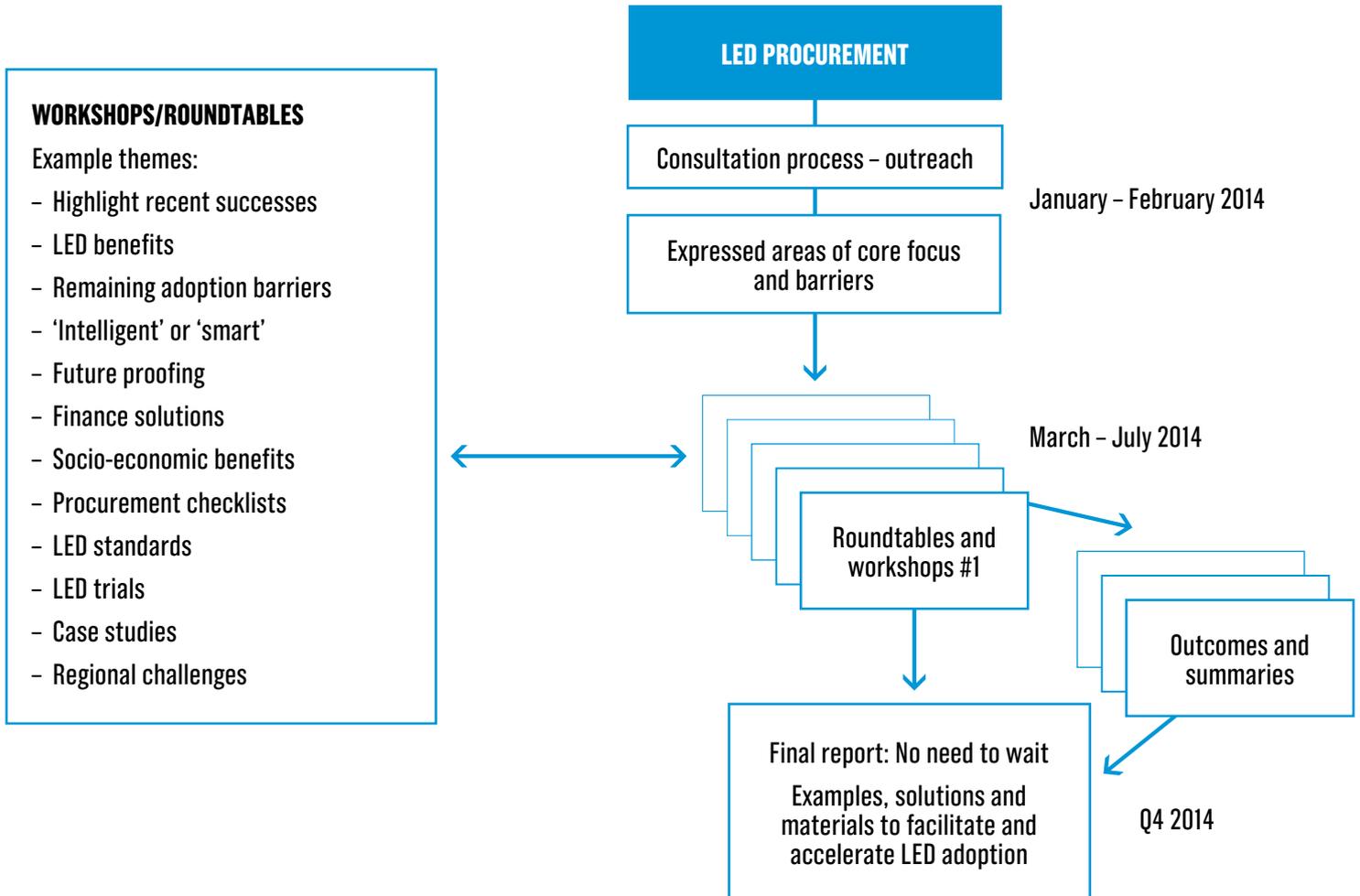
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The consultation process is summarized in the diagram below:



### ACCELERATING LED STREET LIGHTING ADOPTION: THE CONSULTATION PROCESS.

Our initial goal in Q1-Q2 of 2014 is to explore the remaining barriers or challenges to adoption of LEDs that are most important to you, and which you would like to see included in this consultation.

For organizations that have already adopted LED lighting, we greatly welcome your involvement, to highlight your achievements and to summarize key lessons learned during the adoption process and learn from your experiences of LEDs in day-to-day use.

There are planned consultations in different regions covering Brazil, China (and Hong Kong), Europe, the Gulf Region, India and the US; a full schedule will be announced shortly. The findings and recommendations will be compiled in a procurement guidance report to be released in Q4 of 2014.

#### FOR FURTHER INFORMATION:

If you would like to learn more about the consultation process, contact **Dr Ben Ferrari, Director of Partnerships, The Climate Group** at [bferrari@theclimategroup.org](mailto:bferrari@theclimategroup.org)

