

4E BRIGHTspark

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EFFICIENT EQUIPMENT NEWS

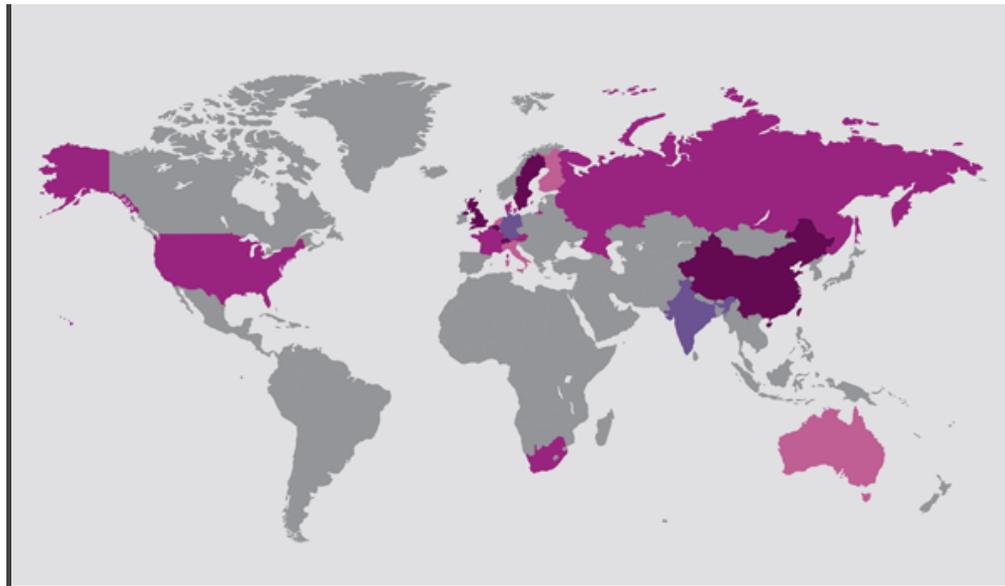
4E is a multi-governmental initiative established in 2008 to support the development of policies for energy efficient equipment. BRIGHT SPARK is produced by the IEA Technology Collaboration Programme for Energy Efficient End-use Equipment (4E) on behalf of member governments, Australia, Austria, Canada, Denmark, France, Japan, Korea, The Netherlands, Switzerland, Sweden, UK, USA.



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Over 40 laboratories from 17 different countries will take part in the 2017 IEA 4E Solid State Lighting interlaboratory comparison for goniophotometers, to begin in October. The programme is designed in compliance with ISO/IEC 17043 to serve as a proficiency test for SSL testing accreditation programmes and it is based on the new CIE S 025/E:2015 test method for LED equipment.



Location of laboratories participating in 4E-SSL 2017 interlaboratory comparison

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What role do
**voluntary
agreements**
play as a
policy tool?

Analysis of over 50 Voluntary Agreements (VAs) provides new insights into this policy measure currently used by several governments to stimulate the development and uptake of energy efficiency appliances and equipment.

As well identifying the main achievements of VAs implemented since 2000, the research lists the key factors that appear to lead to successful VAs.

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How efficient are electric vehicle charging stations?

Key stakeholders in the world of electric vehicle supply equipment (EVSE) came together in Vienna in September to share research on the potential to improve the energy efficiency of this growing new electrical load.

As the market for electrical vehicles grows rapidly, the technology used by charging stations could have a significant impact on energy consumption and running costs – and hence is of interest to 4E. This workshop marks the start of an ongoing study by 4E's Electronic Devices and Networks Annex (EDNA) under Austrian leadership.

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LED lighting: key success factors

Based on real-life examples, this report shows the key role played by government policies and energy-efficiency programmes to accelerate market development across all the critical segments of the supply chain for LED lights.

The report describes a wide range of tools that have been used to support and sustain markets for high quality, energy efficient products; providing inspiration to other governments on their options to ensure that high efficiency and quality products dominate the future lighting market.



Multilingual motor systems tool

An updated version of the Motor Systems Tool, now available in four languages including English, Danish, German and French, was launched at EEMODS'17 in September 2017. This software design tool is now available for free download.

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FORTHCOMING EVENTS

SEAD connected efficiency award

The most energy efficient communications protocols will be recognised in the first Connected Efficiency Award to be announced shortly.

Launched by SEAD in collaboration with the Connected Devices Alliance (CDA) and the IEA 4E's Electronic Devices and Networks Annex (EDNA), the objective of the Award is to promote the uptake of communications protocols which minimise the energy required to maintain network connectivity, to highlight those who develop these class-leading protocols and spur further innovation in this area.

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