



Transforming the world  
to sustainability

# IEMA Webinar: ISO 14000 Series Update

13 09 2016

Martin Baxter (IEMA Chief Policy Advisor)

 @mbaxteriema





Transforming the world  
to sustainability

# IEMA Webinar: ISO 14000 Series Update



**Martin Baxter**  
IEMA Chief Policy Advisor

[m.baxter@iema.net](mailto:m.baxter@iema.net)

 [@mbaxteriema](https://twitter.com/mbaxteriema)



# Webinar slides and recording

IEMA records all webinars and  
publishes them alongside the slides at  
<http://www.iema.net/event-reports>





# Overview

- ISO and environmental management standardisation
- Update on standards development following recent plenary meeting
- Questions & Answers



# ISO Overview



## ISO in figures



Every day  
**23** ISO meetings  
around the world

**162** members

**> 21 100**  
International Standards

**100**  
new standards each month

More than  
**100 000** experts

**238**  
technical committees



# ISO & Environmental Management

Update following recent plenary meetings in  
Seoul, S Korea

# ISO & Environmental Management

---

TC207 - Standardization in the field of environmental management systems and tools in support of sustainable development

- SC 1 - Environmental management systems
- SC 2 - Environmental auditing and related environmental investigations
- SC 3 - Environmental labelling
- SC 4 - Environmental performance evaluation
- SC 5 - Life cycle assessment
- SC 7 - GHG Management & Related Activities

**Strong UK representation across all work areas**



# Environmental Management Systems



# SC 1 - Environmental management systems

---

- ISO 14001 & ISO 14004 published
  - 3 year transition for accredited certification – deadline 14<sup>th</sup> September 2018
  - Interpretation process – through national standards bodies
  - Writing to International Accreditation Forum (IAF) raising concerns on how some requirements in ISO 14001:2015 are being interpreted
- ISO 14005 (phased implementation) & ISO 14006 (eco-design) being updated following new 14001
  - Publication of revised standards possible in 2018
  - BS 8555 being update – consultation draft available

# SC 1 - Environmental management systems

---

New standards being developed:

- ISO 14007 - Determining environmental costs and benefits - guidance
- ISO 14008 - Monetary valuation of environmental impacts from specific emissions and use of natural resources - Principles, requirements and guidelines

## ISO 14002...?

- Ballot to decide on new multi-part standard
- Guidelines for application of ISO 14001:2015 framework to environmental aspects and environmental conditions by topic area
- e.g. Enhancing resource efficiency using ISO 14001; Managing and improving GHG emissions using ISO 14001; Adapting to climate change using ISO 14001 etc.





# Environmental auditing and related environmental investigations

# Environmental auditing & related environmental investigations

---

- ISO/IEC TS 17021-2 (competence requirements for EMS certification) –updated to reflect new ISO 14001
  - Anticipate publication by the end of 2016
- ISO 14016 – new standard under development  
“Assurance of environmental reports”
- New chair – Nigel Leehane (UK)





# Environmental Labels & Declarations

# Environmental Labels & Declarations

---

- ISO 14026 - Principles and procedures for communication of footprint information
  - Next stage Draft International Standard
  - Note link to single-issue footprints (e.g. water 14046, carbon 14067)
- ISO TS 14027 Development of product category rules
  - Note link with EU Product Environmental Footprint work-stream
  - Publication imminent



# Environmental performance evaluation

# Environmental performance evaluation

---

- ISO 14034 Environmental technology verification (ETV)
  - Note link to EU ETV programme
- ISO 14063 Environmental communication - Guidelines and examples
  - Update to reflect new ISO 14001 + communication methods
- Exploring the feasibility of standardizing the environmental performance of “green bonds”



# Life cycle assessment



# Life cycle assessment

- ISO 14046 – Water Footprint published
- ISO 14073 – examples on how to apply 14046 due for publication
- ISO 14044 LCA Requirements and guidelines reconfirmed





# GHG Management & Related Activities

# GHG Management & Related Activities

- Scope: The development of standards to manage and mitigate GHG emissions, as well as to adapt to the effects of climate change and in support of sustainability
- Strong link to UNFCCC – role of standard to support Paris Climate Agreement



# GHG Management & Related Activities

---

- ISO 14064–1:2006 (under revision)
  - Greenhouse gases – Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals
- ISO 14064–2:2006 (under revision)
  - Greenhouse gases – Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements
- ISO 14064–3:2006 (under revision)
  - Greenhouse gases – Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions
- ISO 14065:2013 – to be revised with extended scope
  - Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

# GHG Management & Related Activities

---

- ISO 14090 – adapting to climate change
  - Framework standard under development – expected early 2019
  - Additional standard on Climate Change – Vulnerability Assessment under consideration
- ISO 14080 Framework and principles for methodologies on climate actions
- Exploring possible new standard “Framework and principles for assessing and reporting financing and investment activities regarding climate change”





Others

# Others

---

- ISO 14055 (DIS) Guidelines for establishing good practices for combatting land degradation and desertification - Part 1: Good practices framework
- ISO 14052 (DIS) Material flow cost accounting - Guidance for practical implementation in a supply chain
- Climate Change Co-coordination Task Force
- Developing Country Contact Group
  - Capacity building

# Others

---

- IEMA ISO 14001:2015 Transition Courses
  - Implementation
  - Auditing
  - <http://training.iema.net/>
- ISO EMS Website
  - <https://committee.iso.org/tc207sc1>
- ISO GHG management & related activities
  - <https://committee.iso.org/tc207sc7>

# Future IEMA Webinars

---

- Progressing the Circular Economy in the UK - Where is Progress being made? – 20<sup>th</sup> September
- Principles for Achieving Net Gain Biodiversity Outcomes from Development – 22<sup>nd</sup> September
- The Inside Track on ISO 20400 - new International Standard for Sustainable Procurement – 17<sup>th</sup> October

<http://events.iema.net/>

# Future Webinars

- Progressing the Circular Economy in the UK - Where is Progress being made? – 20<sup>th</sup> September
- Principles for Achieving Net Gain Biodiversity Outcomes from Development – 22<sup>nd</sup> September
- The Inside Track on ISO 20400 - new International Standard for Sustainable Procurement – 17<sup>th</sup> October

<http://events.iema.net/>





# Q&A



Martin Baxter  
IEMA Chief Policy  
Advisor



Peter Jones  
IEMA Network Co-  
ordinator

# Thanks!

Martin Baxter  
IEMA Chief Policy Advisor

[m.baxter@iema.net](mailto:m.baxter@iema.net)

 [@mbaxteriema](https://twitter.com/mbaxteriema)

