

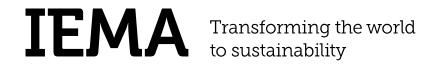
# IEMA Webinar: ISO 14000 Series Update

13 09 2016

Martin Baxter (IEMA Chief Policy Advisor)

@mbaxteriema





# IEMA Webinar: ISO 14000 Series Update

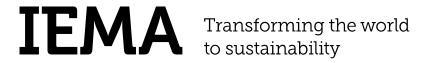


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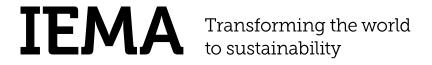
# Webinar slides and recording

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









### 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

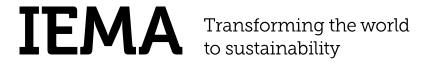


#### SC 1 - Environmental management systems

#### 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.

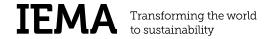


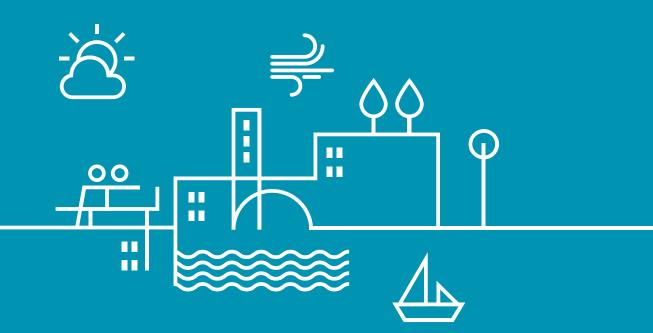


Environmental auditing and related environmental investigations

#### 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)

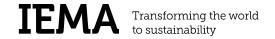




# Environmental Labels & Declarations

#### **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

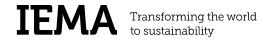




# Environmental performance evaluation

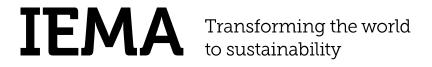
#### Environmental performance evaluation

- 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"





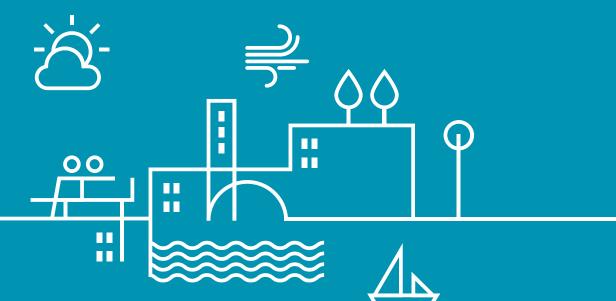
# Life cycle assessment



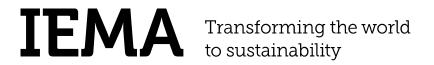
# Life cycle assessment

- 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 UNFCC 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

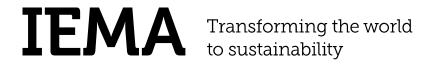


#### **Future IEMA Webinars**

- 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

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### Q&A

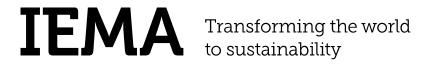


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### Thanks!

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