

# **Embedding ethical sourcing into procurement on Crossrail**

18 April 2016

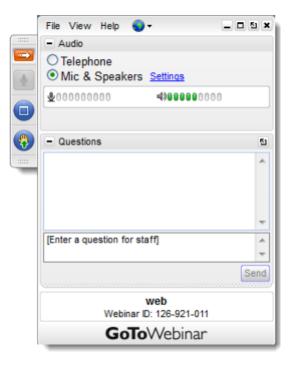






# Communicating with us

If you have a question for the one of the speakers or you experience any technical issues during the webinar please let us know in the 'Questions' section on the control panel.





# Watch the recording & download the slides

The presentation slides will be available on CIRIA's website at <a href="https://www.ciria.org/postevent">www.ciria.org/postevent</a>

The slides and recording will also be available on IEMA's website at <a href="https://www.iema.net/event-reports">www.iema.net/event-reports</a>





## Welcome



Philip Charles
Project Manager
CIRIA



Mike De Silva
Sustainability Manager
Crossrail



Jacqui Glass
Associate Dean Enterprise
University of Loughborough









# Philip Charles Project manager, CIRIA



# The Crossrail Learning Legacy Programme



## What is Learning Legacy?

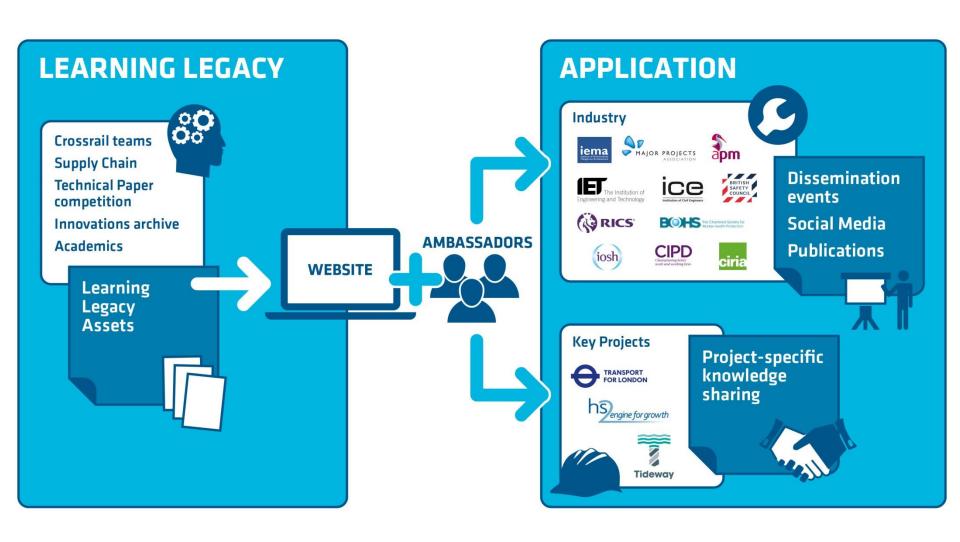




The collation and sharing of lessons learned from major construction projects aimed at raising the bar in the industry and showcasing UK PLC

## **How it works**



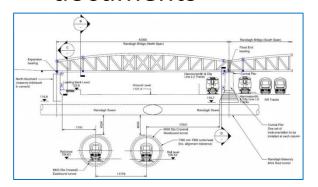


## What is included?



## Insight

- Research Papers
- Case Studies
- Technical Papers
- Journal Publications
- Micro-reports
- Video podcasts
- Lessons Learned documents



### Data

- Good Practice Documents
- Datasets
- Statistical data

## People

- Author biogs
- Ambassador programme
- Social Media





## **12 Learning Legacy Themes**











PROJECT AND PROGRAMME MANAGEMENT

PROCUREMENT

**AUTHORISATION AND CONSENTS** 

LAND AND PROPERTY



**HEALTH AND SAFETY** 



**ENVIRONMENT** 



**ENGINEERING** 



**OPERATIONS** 



TALENT AND RESOURCES



**EXTERNAL AFFAIRS** 



INNOVATION



INFORMATION MANAGEMENT AND TECHNOLOGY

## Learninglegacy.crossrail.co.uk







ABOUT LEARNING LEGACY - LEARNING LEGACY THEMES - EVENTS AUTHORS PARTNERS



#### WELCOME TO THE CROSSRAIL LEARNING LEGACY WEBSITE

Learning Legacy is the collation and dissemination of good practice, lessons learned and innovation from the Crossrail construction programme aimed at raising the bar in industry and showcasing UK PLC.

The Crossrail Learning Legacy aims to share knowledge and insight, through means such as case studies and technical papers providing lessons and recommendations to help others. Documents and templates that have been used successfully on the Crossrail programme can be 'pinched with pride' by other projects, and datasets will be made available that can inform future research projects. The Learning Legacy will also showcase the experts behind the delivery of the Crossrail programme.

"Passing on the lessons and good practice that we have learned at Crossrail is an absolutely essential part of raising the bar in the delivery of major projects. With an unprecedented number of infrastructure schemes around the corner, now is the time to start sharing what we have learned so the UK can build on its reputation for delivering on time and on budget" Andrew Wolstenholme, Chief Executive, Crossrail

"The IPA is wholly committed to ensuring the UK's delivery of major infrastructure projects is achieved efficiently and effectively. The creation of a learning environment is vital to improving project performance, and we see Crossrail's Learning Legacy as an impressive example of best practice. We encourage all project professionals to draw on this excellent resource; the more we can learn from the experience of others the closer we will come to flawless project execution." Tony Meggs, Chief Executive, Infrastructure and Projects Authority





## **Working with Partners**



- **Delivery partners** (eg, Bechtel, Transcend, Designers)
  - Contributing learning legacy papers and sharing data
  - Funding or resource support
  - Supporting dissemination

### Academic partners

- Undertaking research
- Peer review
- Educational resource champions
- Industry partners (eg, APM, RICS, CE, ICE, IET, MPA, CIRIA, IOSH, BSC, etc)
  - Funding Research
  - Resource
  - Dissemination (eg, publications, events, social media, websites)
  - Peer review
- **Stakeholders** (eg, TTT, HS2, Crossrail2, TfL)
  - Single points of contact (by theme) for lessons learned/learning legacy requests
  - Dissemination into stakeholder organisations
- Advisory partners (eg, E&Y, KPMG, Deloittes, PWC, Nicholls)
  - Contributing insight and market intelligence to the learning legacy

## **Dissemination Events**



Theme	Event	Date	Speaker
Environment	Ethical Sourcing Webinar	18 April	Mike de Silva
<b>PPM-Procurement</b>	2025 – Driving the Vision	25 April	Martin Buck
Environment	Institute of Acoustics – Acoustics on Large	10 May	Andrew Bird, Colin
	Infrastructure Projects		Cobbing

And many more to come

























learninglegacy@crossrail.co.uk







Mike De Silva Sustainability Manager, Crossrail



# **◆ Crossrail: Collaborating on ethical sourcing**

- **◆** Dr. Mike de Silva, Bechtel Ltd,
- **◆** Crossrail Sustainability Manager

## **Contractual Requirement**



The *Contractor* shall ensure that in Providing the Works it complies with the following minimum requirements (derived from the Ethical Trading Initiative Base Code) and shall use reasonable endeavours to ensure that subcontractors and suppliers of any tier comply with these minimum requirements.

## **Ethical Trading Initiative**



#### The ETI Base Code

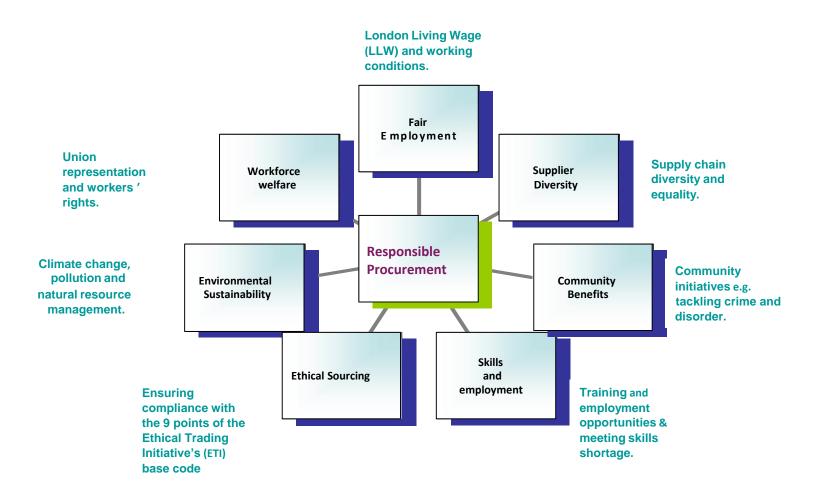
The Code is based on the internationally recognised standards of the International Labour Organisation (ILO), the UN agency responsible for labour standards.

- Employment is freely chosen
- Freedom of association and the right to collective bargaining are respected
- Working conditions are safe and hygienic
- Child labour shall not be used
- Living wages are paid
- Working hours are not excessive
- No discrimination is practised
- · Regular employment is provided
- No harsh or inhumane treatment is allowed



## **GLA's Responsible Procurement Themes**





## **Barriers to Implementation**





## Collaboration



The Crossrail Ethical Supply Chains in Construction working group









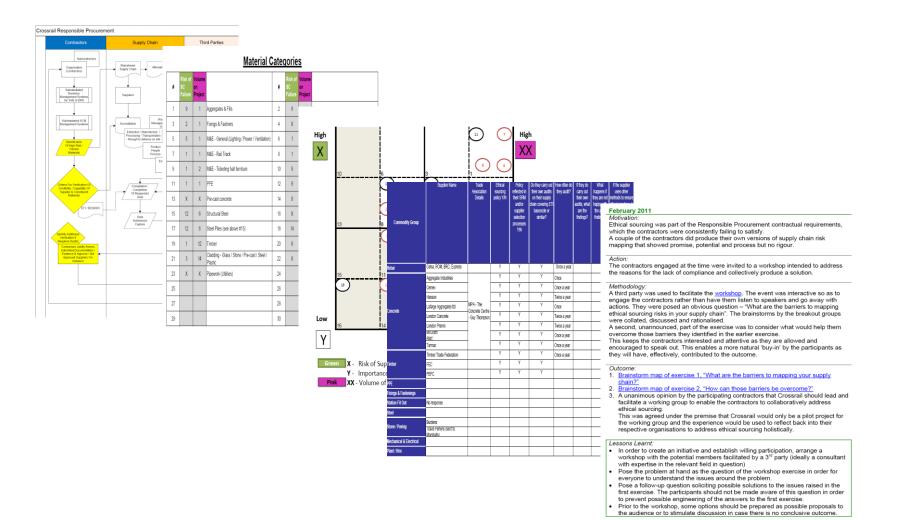






## **Implementation**





# **Outputs**



Best Practice Social Audit Requirements for Crossrail					
SECTION A	SECTION B	SECTION C	SECTION D		
Who undertakes the audit? To satisfy us that the the auditor's ability to undertake a social audit is sound, the auditor shall provide evidence against all of the following requirements. They need to be able to demonstrate that:	When is the audit undertaken? To satisfy us that the the audit is undertaken at the appropriate time/interval, the auditor shall provide evidence against at least three of the following requirements as a minimum.They need to be able to demonstrate that:	What content is included in the audit To satisfy us that the the audit contains the appropriate information, the auditor shall provide evidence against all of the following requirements. The audit report needs to include:	How is the audit conducted? To satisfy us that the the audit is undertaken in the appropriate manner, the auditor shall provide evidence against all of the following requirements. The audit needs to include:	Advisory Comments	
Primary Requirements	Primary Requirements	Primary Requirements	Primary Requirements		
audit and certified to do so.	B1.An audit is undertaken every 18 months as a minimum. (Based on initial audit findings, the auditor can adapt and undertake more flexible audits)thereafter as required	C1.Date of the audit	D1.A factory/Site visit.		
A2.There is no conflict of interest; that they can be impartial while undertaking the audit.	B2. (Based on initial audit findings), they can adapt and undertake more flexible audits thereafter as required.	C2.Signature of Director	D2.Anonymous feedback from auditees should be possible (eg Private interviews/meetings with staff, in the absence of supervisors)		
A3.They have an understanding of the culture in which the organisation is based.	B3. Either the buyer or supplier has arranged an audit prior to concluding the order.	C3.The use of compliant question set such as the SEDEX-SMETA audting template shall be used	D3. Confirmation that the auditee organisation has been pre-notified of the criteria for assessment	Allow sufficient time	
A4. They have attended a prior briefing or have prior knowledge of in-country issues and/or commodity issues.		C4.A list of risks, highlighted in the report, with an action plan in place, with time frames.		Needs to be undertaken as an educational process (it is still a new concept)  Applaud excellence  Improvement plans are imperative and	
		C5. An account of whether the organisation has any processes for social compliance (e.g. procedures/policies).		improvement plans are imperative and evidence should demonstrate that they are being acted upon.  Encourage engagement and transparency Establish achievable goals	
		C6.An account of how the auditor has made allowance for any important and relevant differences in culture.		Protect confidentiality	
		C7.An account of any previous non- compliance and actions taken to address this (where this is not the first audit).			
Secondary Requirements	Secondary Requirements	Secondary Requirements	Secondary Requirements		
recognised by a European or US based certification agency)	B4. Although unannounced audits are considered perferable, it is recognised that this practice may not be practical. Therefore audit notification period should be minimised such that preferential abnormal practices cannot be easily implemented.	C8.An account and suitable recognition of other existing 3rd party certification schemes that may be in place.	D5. Confirmation that the duration of the audit has been based on an assessment of risk.		
A6. They have specific knowledge pertinent to the product/process/system being audited.	B5. Aligned to existing audit schedule where possible to ease disruption	C9. A clear focus on areas which are known to be poor.			
Auditing	B6.Additionally, audits to be undertaken post organisational changes of auditee company /Legislative changes	C10.Justification if a "pick&mix" of the overall question set to provide a "snapshot" is used.			
Must meet all primary requirements	Must meet all primary requirements	Must meet all primary requirements	Must meet all primary requirements	MANDATORY	
Secondary Requirements					
Score 3/3	Score 3/3	Score 3/3	Score 1/1	Score 10/10 EXCELLENT	
Score 3/3	Score 2/3	Score 3/3	Score 1/1	Score 9/10 GOOD	
Score 3/3	Julie 2/3	Julie Jid	Scote 1/1	30016-3710-30000	
Score 3/3	Score 1/3	Score 3/3	Score 1/1	Score 8/10 PASS	

### **BES6001 Consultation**

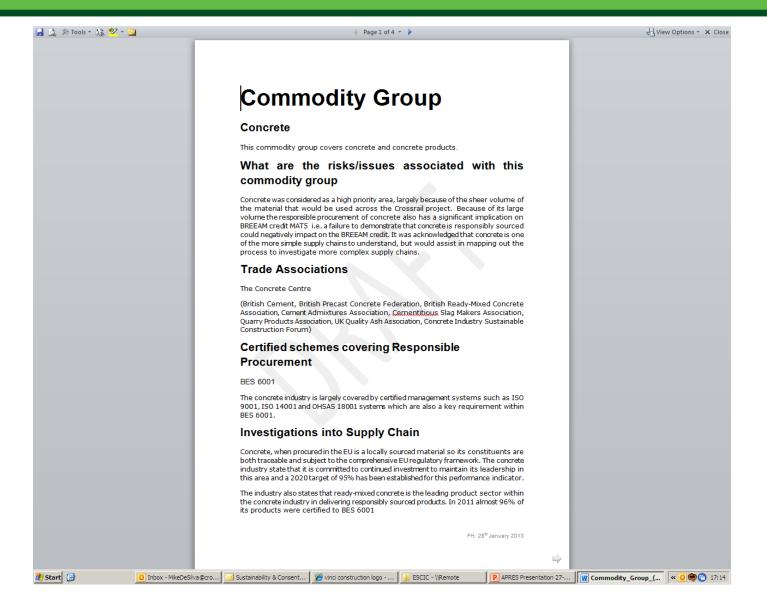


- Material traceability
- **EMS**
- H&S Management System
- Greenhouse gas emissions
- Energy use
- Resource use
- Waste prevention & management

- Water abstraction
- **LCA**
- Ecotoxicity
- Transport Impacts
- Employment & skills
- Local communities
- Business ethics

## **Outputs**





## **Commodity Sheets**



- Concrete
- PPE
- Timber
- Reinforcing Steel
- Stone & paving
- Fit out materials
- Mechanical & electrical



## **Commodity Sheet details**



- What are the risks associated with the commodity group
- Trade associations
- Certified schemes covering responsible procurement
- Investigation into supply chain
- Proposed actions for mitigation
- Result of mitigation
- Residual supply chain risks



## Collaboration with the wider industry



- UKCG (now part of Build UK)
- Supply Chain Sustainability School
- BRE
  - ◆ BES 6001
  - M&E working group
- CARES
- APRES











## **Industry Perspectives**



- Construction Products Association
- Concrete Centre
- Achilles
- SIG
- Arnold Laver
- Marshalls
- Interface
- Construction Fixings Association
- BASEC
- Mining companies
- SEDEX
- Ecovadis
- ETI

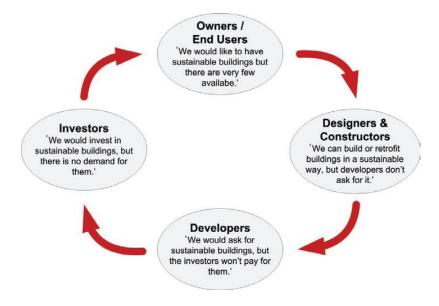


Ref: Greenpeace

### **Circle of Blame**



- Who should take the lead?
- "The more buyers at the top of the chain that ask for higher standards, the more power the NHS has to change things at the manufacturing end".



(adopted from Cadman, 2000, taken from RICS)

### What we want to avoid





Photo: Palani Mohan/Swedwatch 2007.

## Rife in the electronics industry



- Breaking of national & international laws
- Company codes of conduct
  - Living conditions
  - Below-standard wages
  - Exposure to toxic chemicals
  - Child labour
  - Impossible production targets
  - High staff turnover

## **Democratic Republic Congo**



- 80 per cent of the population earns less than one dollar per day.
- Average life expectance is 44 years.
- Every fifth child dies before the age of five.
- A large part of the population is suffering from malnutrition.
- There is a chronic lack of drugs and medical equipment.
- 40 per cent of the population is illiterate.
- Only 24 per cent of the children start school.

# **Conflict & High Risk Minerals**



- Aluminium
- Copper
- Nickel
- zinc
- Tin
- Tantalum
- Gold
- Tungsten
- Gallium



Photo: Global Witness/Swedwatch 2007

## A complex issue



- Not just where products are assembled.
- The supply chain extends to thousands of small factories that supply components.
- Supply of raw materials eg Congo, Rwanda and Burundi,

## The common response



"it is difficult to trace provenance and we cannot influence the extractive industry since, as individual companies, we only use limited amounts of metals in our products"

- However, as a whole the electronics industry uses a quarter of the world's cobalt.
- Include the extractive industry level in supply chain management

#### **EICC view**



The Electronics Industry Citizenship Coalition (EICC) - industry partnerships are important to address the challenges it faces.

"Unless a brand company has an exclusive pipeline for raw materials, this is an area where collaboration is important and necessary in order to make meaningful progress".

John Gabriel, chairman of the EICC and supply chain responsibility manager at IBM (2009)

#### Are we doing the right thing?



"I am sure that the work being undertaken and the output generated via this group will set a benchmark for other areas of the construction industry to aspire to in the future".

**Daniel Bull** 

Procurement Manager, Balfour Beatty Construction Services

#### Resources available



On the Crossrail Learning legacy website

http://learninglegacy.crossrail.co.uk

#### **Some Final Thoughts**



"Do you want to be associated with material/product procurement decisions that can be traced back to unethical working practices used in their manufacture? If the answer is yes, then do nothing.

If the answer is no, then don't wait for others to solve the problem for you. Demonstrate leadership and help to resolve the problem.

In doing so, you can contribute to a better society and also be amongst some of the leading built environment client, contractor and supplier organisations".





# Jacqui Glass University of Loughborough



#### **Overview and update**

Professor Jacqueline Glass @profjacquiglass



### Our link to the Crossrail legacy



**ESCIC:** Ethical supply chains in construction

APRES: conference presentations

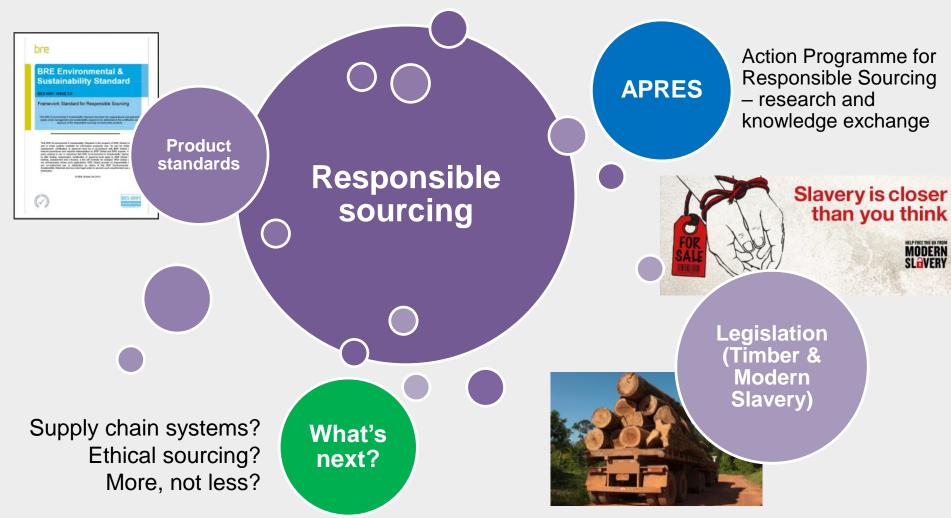
Joint research



# Ask yourself this question...

"Do you know where your materials come from?"

# The landscape in construction



### Our portfolio: 2009-date









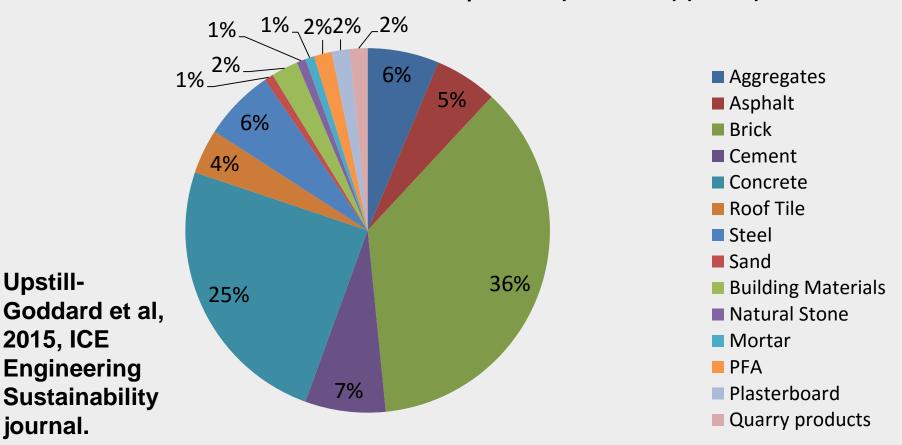






#### Our research: understanding uptake, influencing standards and practices

BES6001: number of certified products (2008-2013) (n=126)



**Upstill-**

2015, ICE

journal.

**Engineering** 

### Recent outputs

 An ethical sourcing portfolio for construction

Aims to extend engagement

Goes beyond responsible sourcing and into specification

 Manifesto: 10 pledges to embed ethical sourcing: <a href="http://apres.bre.co.uk/docs/Ma">http://apres.bre.co.uk/docs/Ma</a> nifesto-Ethical-Sourcing.pdf





### Now, ask yourself...

"Do you know where your people come from?"



### Everyone's talking about it

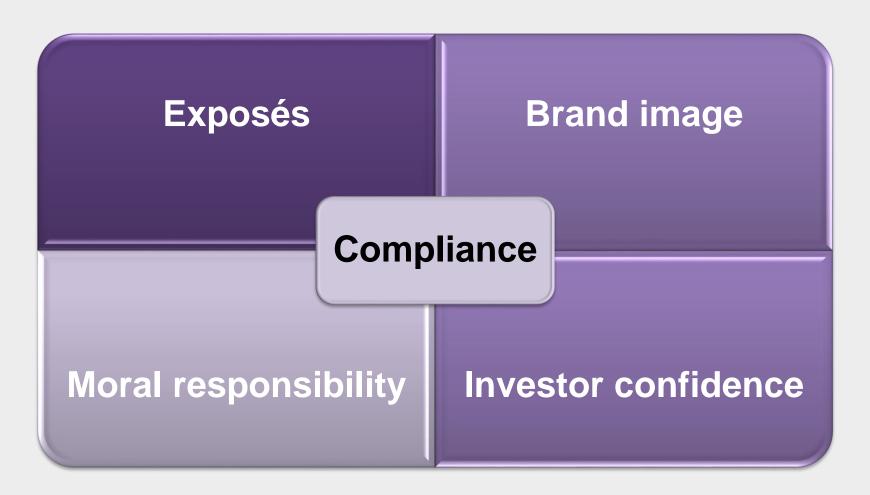
 The UK Modern Slavery Act 2015: <a href="http://www.legislation.gov.uk/ukpga/2015/30/pdfs/ukpga\_20150030\_en.pdf">http://www.legislation.gov.uk/ukpga/2015/30/pdfs/ukpga\_20150030\_en.pdf</a>





- http://www.unchosen.org.uk/portfolio-item/what-doyou-see/
- E-learning on the MSA from Loughborough University/Responsible Solutions available soon.

### Why should MS matter to you?



#### **Ethical Labour Standard**



- BRE convened a group of stakeholders in January; grown from 30 to nearly 80.
- Initial document drafted; full draft in May.
   Planning a launch on 5<sup>th</sup> July in London.
- Anyone interested is welcome to contribute; please contact Dr Shamir Ghumra: <a href="mailto:shamir.ghumra@bre.co.uk">shamir.ghumra@bre.co.uk</a>
- BRE have also funded a PhD student to address traceability in the supply chain.

# Forthcoming handbook

ciria

- Authoritative guidance underway
- Responsible sourcing: a handbook for the construction industry
- 27 stakeholder organisations, including: BRE, Crossrail, Environment Agency, Gatwick, Heathrow, HS2, Highways England, Tideway.
- Two major parts:
  - Introduction and context
  - Product sheets designed for procurement/ commercial teams
- Launch late 2016, at the 6<sup>th</sup> APRES conference (November)





#### **Overview and update**

Professor Jacqueline Glass @profjacquiglass





#### Q & A



Philip Charles
Project Manager
CIRIA



Mike De Silva
Sustainability Manager
Crossrail



Jacqui Glass
Associate Dean Enterprise
University of Loughborough







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#### **Upcoming webinars**

The inside track to ISO 20400 17 May 2016 13.00 – 14.00

Environmental good practice. The role of site-based staff 21 April 2016 12.30 – 13.30

