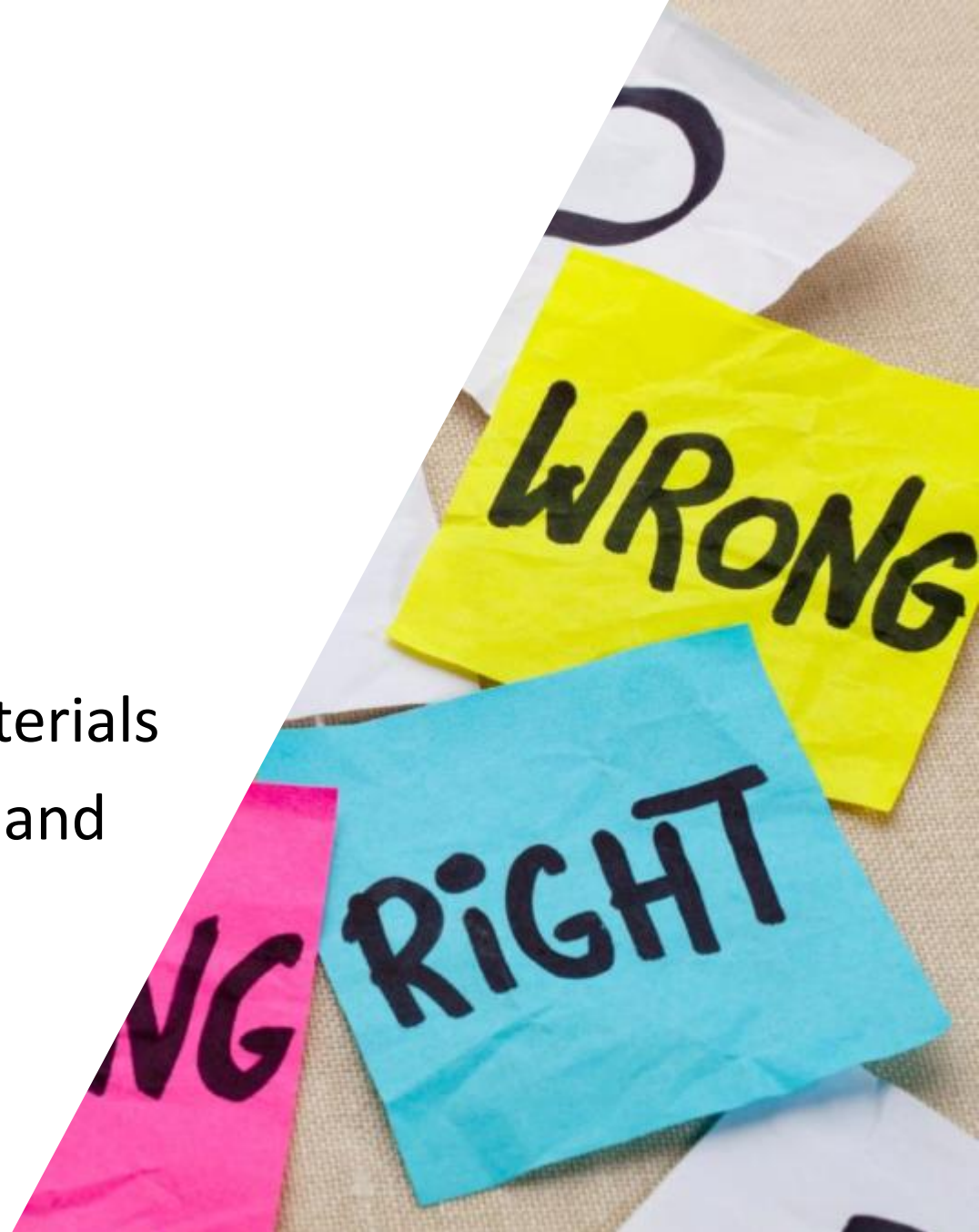


Engineering Ethics Toolkit

President's Apprentices 2012-13
Hayley Sharp

Overview

- Aims
- Survey results
- Outputs
 - Ethics Toolkit
 - Workshop and Materials
 - ICE Ethics Website and Community
- Recommendations



Aims

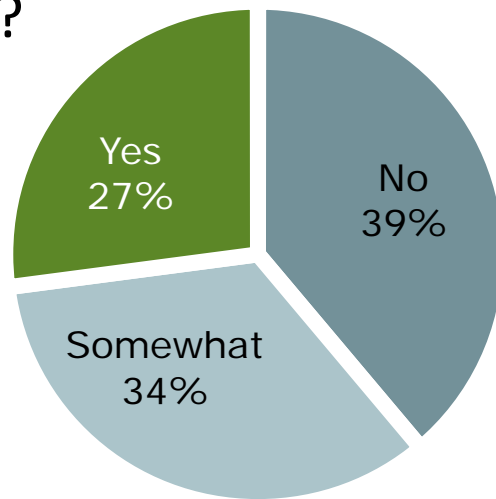
- To launch an ethics initiative that will engage Civil Engineers at all levels
- To develop a toolkit to provide guidance to engineers making difficult decisions



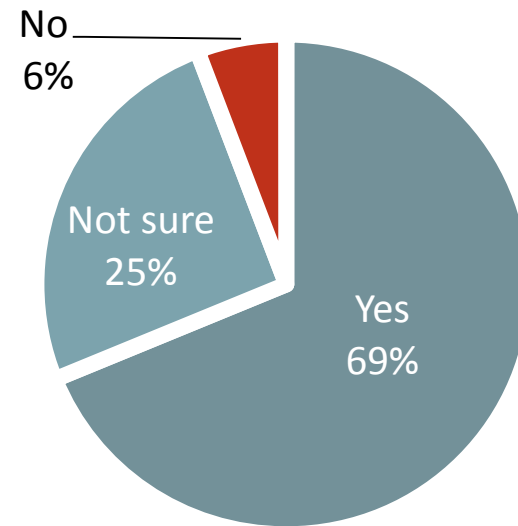
Our Vision: To get people talking about ethics in Civil Engineering

Survey: Results

Do you get involved in the ethical challenges facing your company?

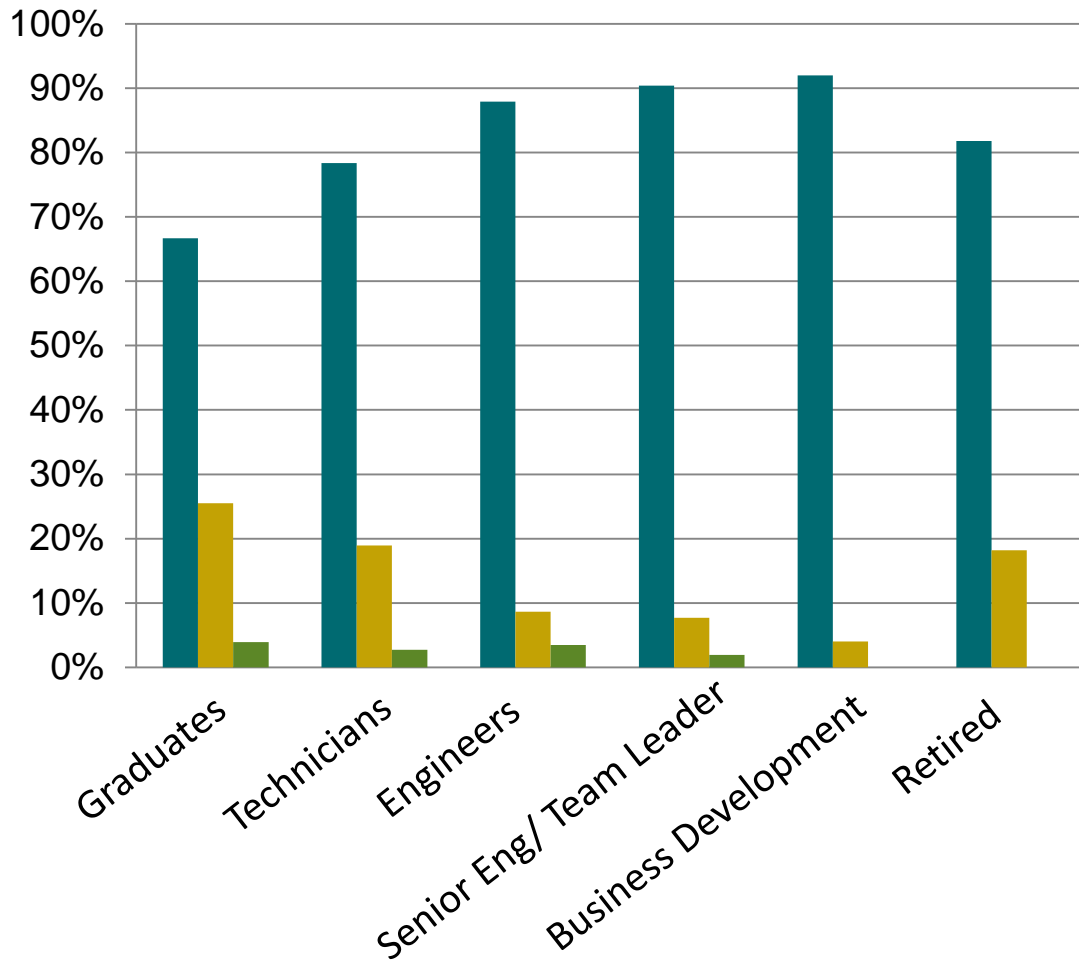


Should the ICE be doing more to promote ethics?



81% of respondents were aware of the ICE Code of Professional Conduct however only 11% had referred to it in a professional situation!

Survey: Should Engineers Think about Ethics?



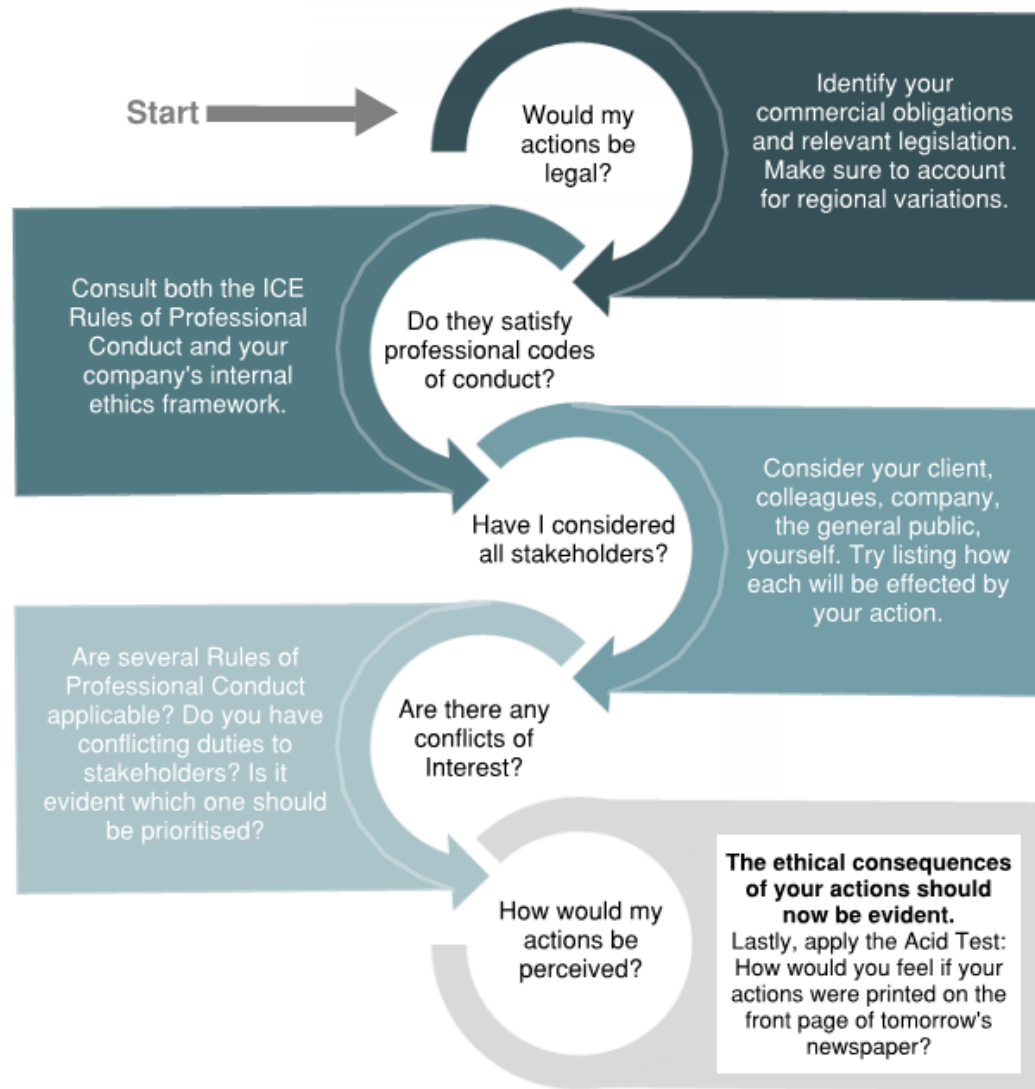
- Engineers should take a proactive role in considering, understanding and making informed ethical decisions about projects they work on
- Engineers should not have to focus on ethical issues but it is important for them to have an understanding if the need arises
- Engineers should be able to focus on technical work if that is their role, whilst allowing other people to consider ethical implications of a project

Toolkit:

Rules of Professional Conduct



Toolkit: Decision Making Flowchart



Outputs: ICE Ethics Website

ice.org.uk/ethics

Ethics

In an era of emerging challenges, where civil engineers are being challenged to shape the world, it is vital civil engineers ensure that the professional decisions they make ultimately benefit the public good. ICE is therefore calling for civil engineers of all levels to engage in the open and honest debate of ethical dilemmas.



Why ethics?



ICE's Code of Professional Conduct provides core ethical values for members but what does ethics actually cover and why is it relevant to me?

[Why ethics?](#)

Latest news

1 AUGUST 2013
[Could you inspire young people to take up a career in civil engineering?](#)

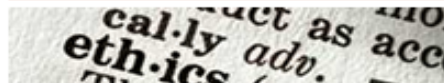
Ethics case studies



Consider and discuss commonly faced ethical dilemmas and add your own cases to the discussion.

[Join the debate](#)

Further reading



Ethics toolkit



Useful resources to promote ethical discussions within your own workplace.

[Ethics Toolkit](#)

Ethics FAQs

Project:	The Only Way is Ethics	ice
Calculations for:	FAQs	Calculated by: APP
		Checked by: PWB

Outputs

Online “Ethics Community”

Topics	Replies	Created
Case Study 7 : Wellbeing	2	Conall Doherty
Case Study 9 : Equality (Engineering Diversity Concordant)	1	Conall Doherty
Case Study 8 : Sustainability (Qatar World Cup)	1	Conall Doherty
Case Study 6 : Bribery	1	Conall Doherty
Case Study 4 : Sustainability	2	Conall Doherty
Case Study 5 : Equality	2	Conall Doherty
Case Study 3 : Health and Safety	1	Conall Doherty
Case Study 1 : Procurement	9	Conall Doherty

NCE articles

Viewpoint
ICE Apprentices

The ethics of engineering
Join the debate about benefiting public good.

“Ethics” – what does this six letter word mean to you? You may be thinking: “I’m an engineer; it’s not my responsibility to worry about ethics!” As civil engineers, our work constantly impacts on and transforms society and people’s lives, while also shaping the environment in which we live.

In this era of emerging global challenges, it is vital we ensure that the professional decisions we make ultimately benefit the public good. This year’s President’s apprentices are working on a project to advised to finish preparing the submission without directly addressing the lack of experience in the text. It is suggested that the method will be researched in further detail if the tender is successful.

■ Case 2: You are managing a programme evaluating the condition of your client’s wide-ranging high risk asset base. You have an established professional relationship with the client and your line manager stresses that we would like to maintain this because you are interested in

The future of ethics
How would you react to these scenarios?

Earlier this year, we started work on a project to encourage the ethics debate and get the words ‘engineering’ and ‘ethics’ used together more often. Since then it has become clear to us that the word ethics means different things to different people. The most frequently asked question we get asked is “What actually is ethics?” It seems that we face ethical challenges personally, professionally and as businesses, often without even realising it.

It is becoming widely considered that ethics in engineering will become a

■ Health and Safety (Case 1)
You have just started working as the sole structural inspector on a residential construction site where you notice a blatant disregard for health and safety. You raise the issue with the contractor who assures you that you will always have safe access to the point of inspection. In any case the project is behind schedule and speed of construction must be prioritised.

■ Sustainability (Case 2)
You are working as a civil engineering consultant and your company has recently won a bid for a large scale

Recommendations

- Increased awareness of the ICE's Code of Professional Conduct
- Increased Use of Ethics Resources and Media
 - NCE Columns and articles
- "Ethics Representatives" on ICE Committees
- Increased Promotion of Ethics within Chartership

Thank You

hayley-sharp@dfid.gov.uk

