

Digital Technology Deployment in Organisations Questionnaire

Organisation Name:

Questionnaire Consent Form

Questionnaire brief:

The purpose of this questionnaire is to gather information on the deployment of digital technologies in organisations, and possible linkage with sustainability and the circular economy. The information gained from this questionnaire will provide material for the writing of publications in academic journals. All organisation and respondent names will be anonymised.

The questionnaire should take approximately 30-40 minutes to complete.

Many thanks for your assistance.

If you have any queries or questions regarding this questionnaire please do not hesitate to contact:

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Participant Name:

Job/Role:

Date:

A. About the Organisation

1. Could you please briefly state the organisation's core business or activity?

2. When (and how) was the organisation founded?

3. How many people does the organisation currently employ?

4. What is the present annual turnover of the organisation?

5. Is the organisation profitable? Is it possible to report on profit (or - if in the public sector – the surplus or contribution from revenues) made in the last tax year?

6. What are the organisation's main strategic objectives?

B. Digital Technology Deployment

7. Could you please indicate which of the following digital technologies are used in the organisation, and provide any relevant details regarding how they are used and for what purposes.

Digital Technology	Used? (Yes/No)	Purpose/How Used/When Introduced/Future Plans?
Social Media		
Mobile Computing/Apps		
Analytics & Big Data		
Cloud Computing		
Blockchain		
Robotics		
Artificial Intelligence/Automation of Knowledge Work		
Internet of Things		
Digital Fabrication/Digital Twin/3-D Printing		

8. As regards **the circular economy**:

[The circular economy is a model of production and consumption in which existing materials and products are shared, leased, reused, repaired, refurbished and recycled for as long as possible]. What circular economy activities does your organisation undertake now, or plan to do in the near future?

- Reduction of waste and/or emissions within the organisation. YES/NO?
- Production or purchase of readily recyclable products. YES/NO?
- Production or purchase of products with a high proportion of recycled material. YES/NO?
- Optimisation of the product returns processes. YES/NO?
- Encourage the reuse of product and/or packaging by the end consumer. YES/NO?
- Recycling of goods and packaging within the organisation. YES/NO?
- Adapting the organisation's business model (e.g. by using rental/loan agreements instead of purchase/sale either for your products and services, or those you use within the

organisation); second-hand products; production on demand, reducing inventory and other overheads). YES/NO?

Cooperation and collaboration with partners in the transition to a circular economy.

YES/NO?

Other (please specify).

9. As regards **digital technologies, sustainability and the circular economy**:

Is the uptake of digital technologies supporting the transition to greater sustainability in the organisation and, more specifically, are these technologies supporting a more circular economy? So, are digital technologies helping, for example, by providing efficiency benefits, reducing power consumption, improving communications and thereby saving costs?

Supporting the re-use of materials? Reducing waste and supporting recycling? Facilitating a reduction in use of finite resources? Please complete the table below (entering N.A. - not applicable - where appropriate).

Digital Technology	Is this technology supporting the adoption of sustainability principles and practices in the organisation, and more specifically the promotion of the circular economy (Yes/No)? If Yes – how?
Social Media	
Mobile Computing/Apps	
Analytics & Big Data	
Cloud Computing	
Blockchain	
Robotics	
Artificial Intelligence/Automation of Knowledge Work	
Internet of Things	
Digital Fabrication/Digital Twin/3-D Printing	

C. Further Comments/Additional Information

10. Please add any further relevant information on the organisation's use of digital technologies.

Many thanks for taking the time to complete this questionnaire.