# Oneby Oneby building digitally confident museums





School of Museum Studies, and CAMEo (Research Institute for Cultural and Media Economies), University of Leicester Institute for Employment Research, University of Warwick Zanvyl Krieger School of Arts & Sciences, Johns Hopkins University, US Faculty of Art Design & Architecture, Monash University, Australia

Amgueddfa Cymru - National Museum Wales National Museums Scotland National Army Museum Royal Pavilion & Museums Brighton and Hove Derby Museums Trust Museum of London

Museums Association Association of Independent Museums Arts Council England Museum Development Network Culture24

Heritage Lottery Fund National Museums Directors Conference Collections Trust Nesta

FutureLearn





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#### MWX: Museum Professional Development Forum (Part 1) The Baltimore Principles: Towards a common vision for digital heritage education and professional development

When it comes to technology we are all perpetual students. Particularly in the context of a continuously evolving technology environment, this forum will ask us collectively to reflect on how effectively our cultural and educational institutions are preparing the next generation of museum practitioners to meet the

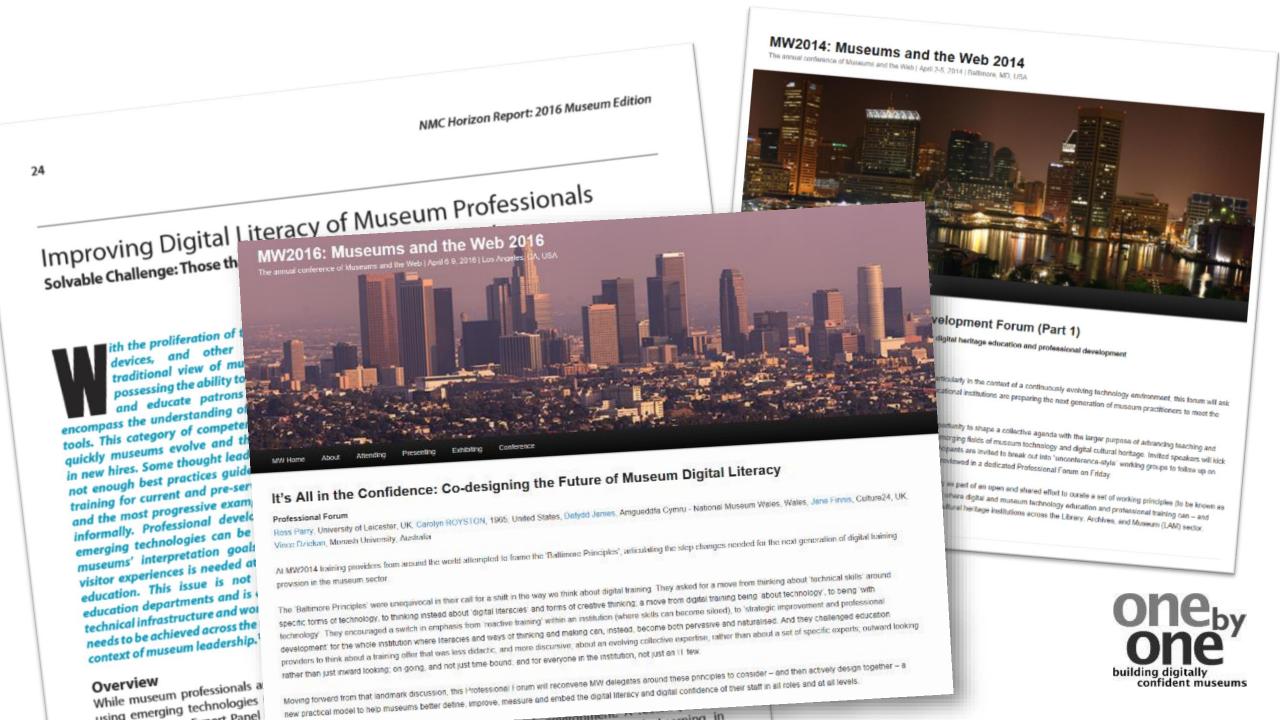
This composite and highly participatory forum will provide an opportunity to shape a collective agenda with the larger purpose of advancing teaching and learning, professional development and scholarship across the emerging fields of museum technology and digital cultural heritage. Invited speakers will kick off the conversation with identified sub-themes. In response, participants are invited to break out into "unconference-style" working groups to follow up on specific points of interest. Reports from these groups will then be reviewed in a dedicated Professional Forum on Friday.

v taking these first steps to engage with the entire MW community as part of an open and shared effort to curate a set of working principles (to be known as a Baltimore Principles"), we seek to declare a common vision of where digital and museum technology education and professional training can - and

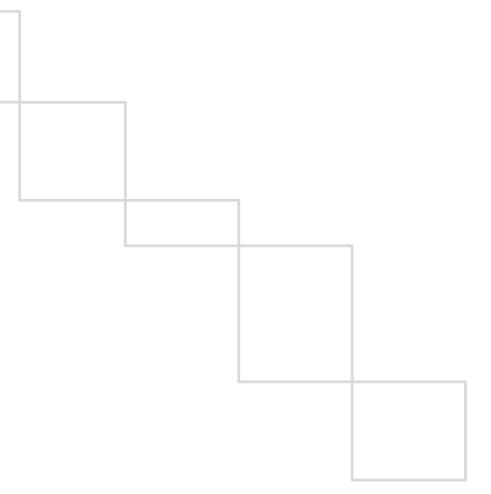
uld - be heading in order to shape the future of museums and cultural heritage institutions across the Library. Archives, and Museum (LAM) sector.

sector. The Baltimore Principles, launched at the Museums and the Web 2014 conference and revisited in 2016, highlights some of the obstacles museums need to overcome to address digital training. This framework called for emphasizing digital literacies, rather than specific digital skill development; professional development tied to strategy, rather than reactive training; a more discursive, rather than didactic approach to training; and most importantly, evolving collective expertise across museum departments, rather than within a select few.<sup>154</sup> The European Commission





1. EMPATHISE	2. DEFINE	3. IDEATE+ PROTOTYPE	4. TEST	5. SHARE
Lead: DE, S-AB	Lead: SM (RP)	Lead: RP (HF)	Lead: RP	Lead: RP (ML)
RA1			x6 Digital Fellows	x6 Digital Fellows
Objectives: O1, O2, O3	O3, O4, O5	O6, O7, O8	09	010, 011, 012

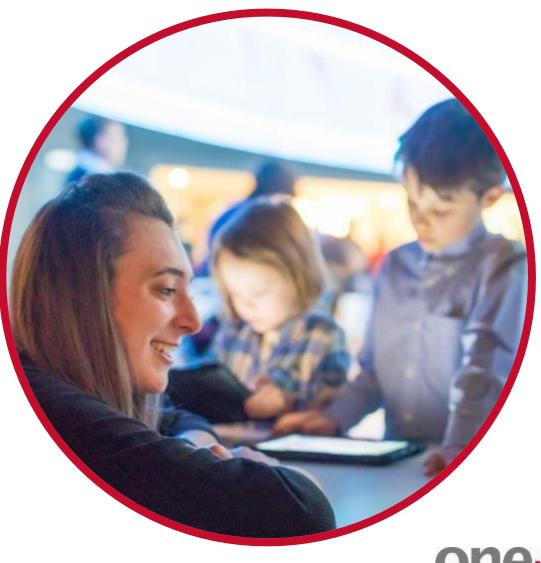




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29	Jan2020					Skils Summit	[M10] Learning Resource
30	Feb2020						[M11] Special Edn/Section
-	[July 2020] 2021						[M12] Monograph

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### Phase 1 'Empathise'







#### Mapping the Museum Digital Skills Ecosystem Phase One Report



#### Aims of Phase 1: Empathise

- Map how digital skills are currently developed in the museum sector
- Understand how digital skills are currently deployed
- Pinpoint the current changes in the demand for digital skills/literacy

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#### Mapping the Museum Digital Skills Ecosystem

Phase One Report



#### Summary

'One by One' leverages interdisciplinary scholarship to understand how to deliver a transformative framework for museum workforce digital literacy. The objective of the first phase of the project has been to map how digital skills are currently supplied, developed and deployed in the UK museum sector, and to pinpoint current changes in

#### Key findings:

 There are different practices in how digital responsibilities and skills are distributed, managed and shared across UK museums. Three models were found that exemplify the patterns of digital engagement, how organisational structures and digital responsibilities are evolving.

 Digital is increasingly seen as part of everyone's skill set and all roles have some kind of digital element. Digital skills are not in ready supply throughout the workforce. Using, translating and developing in-house skills is a dominant approach to supplying digital skills. This is being achieved through internal recruitment, informal development and, to a limited extent, formal

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Digital is becoming professionalised in the museum as digital roles and responsibilities become standard practice. This denotes a shift from responsibility for digital as an 'add-on' to people's roles, towards dedicated digital roles and the democratisation of digital.

 As digital becomes institutionalised, museums are restructuring and evolving. There has been departments, as well as changes to existing roles and a greater demand for

digital skills. The distinction between specialist digital roles and other roles is becoming blurred. See section 5

- Museums are exploring, learning and demanding new digital skills as they innovate and create with digital. See section 5
- There is a deeper understanding by museums of the digital skills, knowledge and expertise needed, as they reflect on the current and potential future of the museum. See section 5

### Approach to the study

- Literature review identified over 300 pieces of evidence
- Case study of 6 UK museums (50 interviews)
- Online focus group with curators
- Interviews with representatives of small museums and Museum Development Network



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Digital is becoming professionalised in the museum as digital roles and responsibilities become standard practice





As digital becomes institutionalised, museums are restructuring and evolving •



Museums are exploring, learning and demanding new digital skills as they innovate and create with digital •





There is a deeper understanding by museums of the digital skills, knowledge and expertise needed •





# Museums are engaging increasingly in evidence-based digital practice •





### And yet ...



Currently, there is little evidence that museums are systematically assessing and identifying digital skills needs •





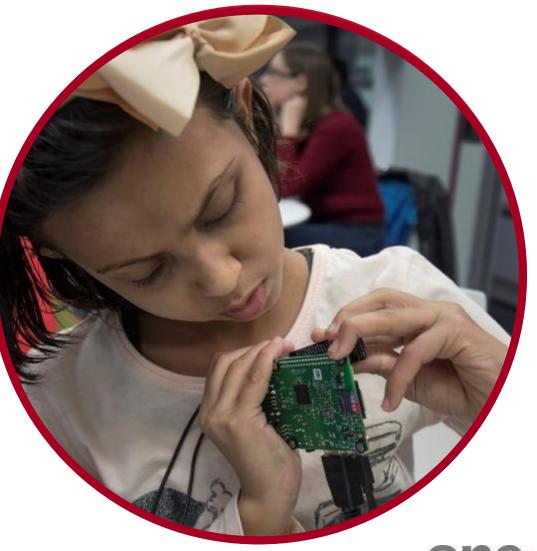


There is little evidence of in-house formal and planned training around digital skills or digital literacy •

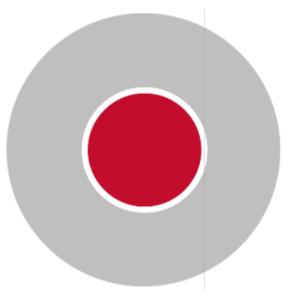


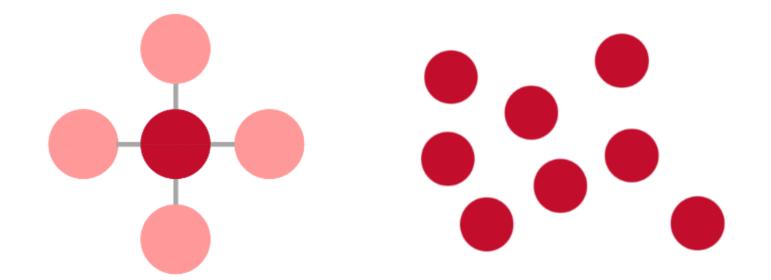


There are different practices in how digital responsibilities and skills are distributed managed and shared across UK museums •









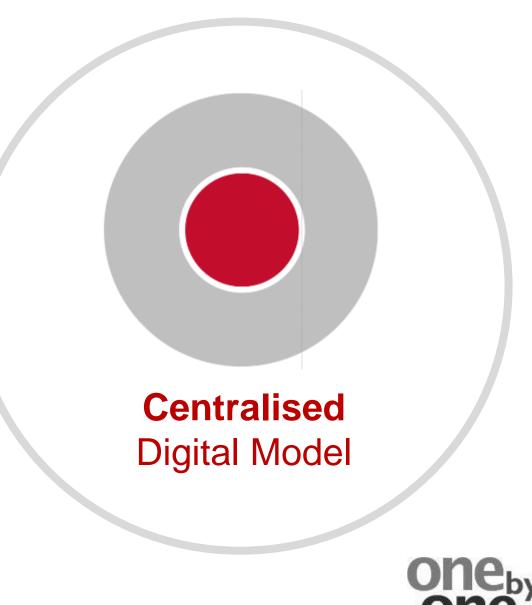
**Centralised** Digital Model Hub & Spoke Digital Model **Distributive** Digital Model



### Digital activity is **co-ordinated** and consistent.

Skills are centralised; it is difficult to build digital literacies and to instil confidence in others.

Consequently, there can be a lack of innovation and creativity, a slowness to adopt digital, and digital is not integral to thinking.

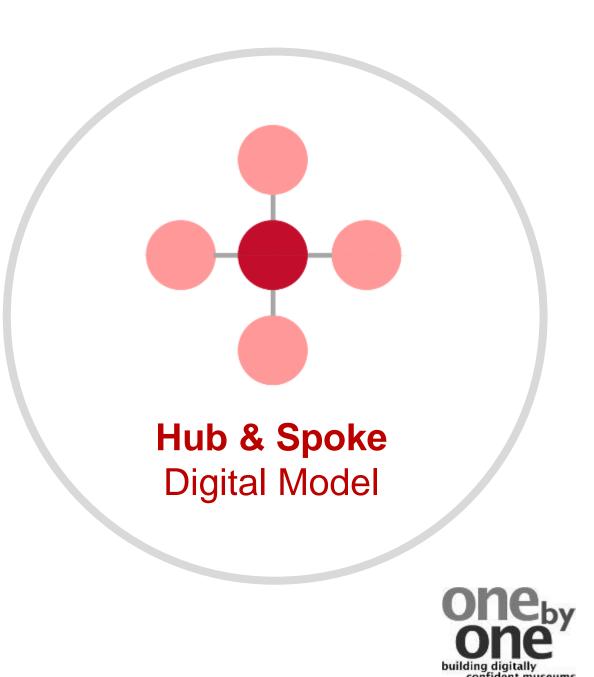




Skills are located in the hub and across spokes; skills are shared and there is potential to build on individual digital literacies and to instil confidence.

Digital skills can be developed more easily as a sense of shared digital learning, test and learn ethos accepted

There is a need to have digitally confident people in place, and a need to allow people to test and learn.



### Skills are shared; individual digital literacies are built upon, instilling confidence in others.

When fully distributed, there is a strong learning culture, easily able to develop digital literacy amongst workforce.

There is a need to have a shared understanding across organisation, clear strategy, where not fully distributed then at risk of learning/ideas not shared.





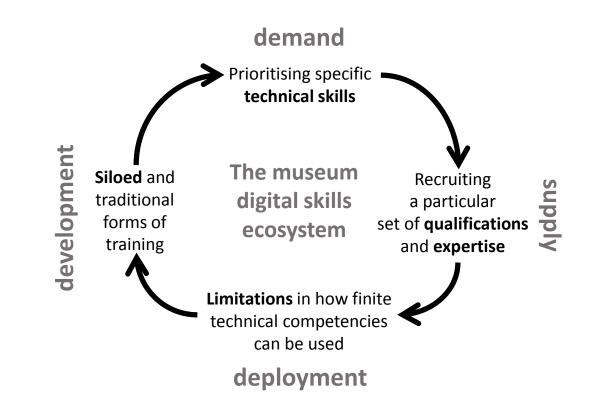
There is evidence of an assumption in museums that 'digital skills' relate to a specific set of technical competencies •



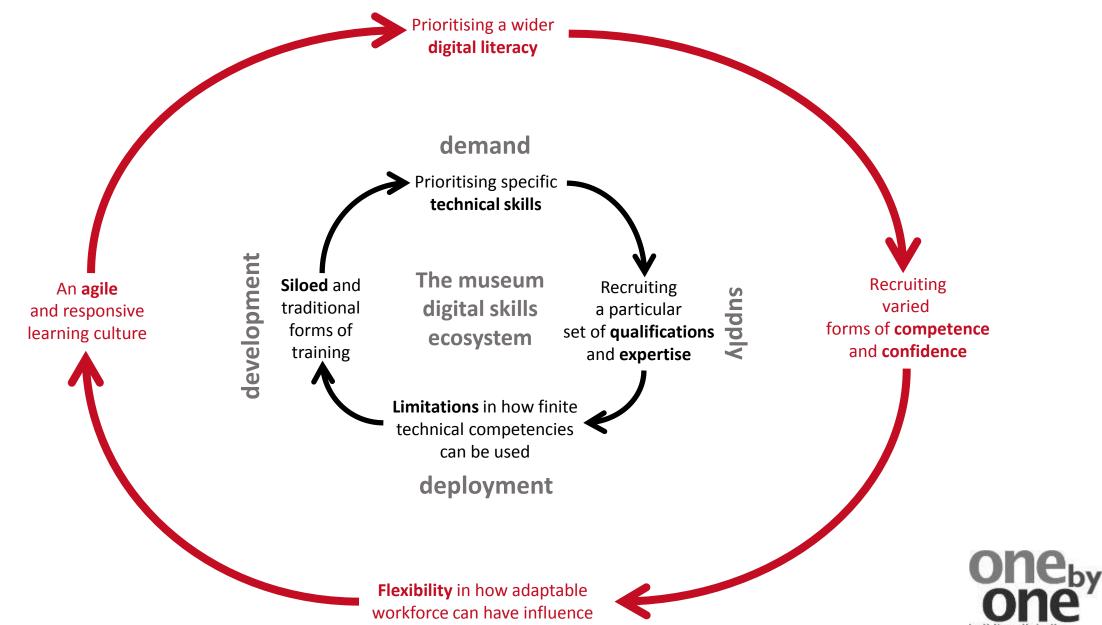
### Understanding a museum's digital skills ecosystem

- Skills ecosystems model applied – moves beyond 'supply and demand' models of skills
- Takes account of educational, economic and political contexts impacting on skills
- Self-sustaining skills systems deployment, demand, supply and development
- Emphasises link between the development and the use of skills

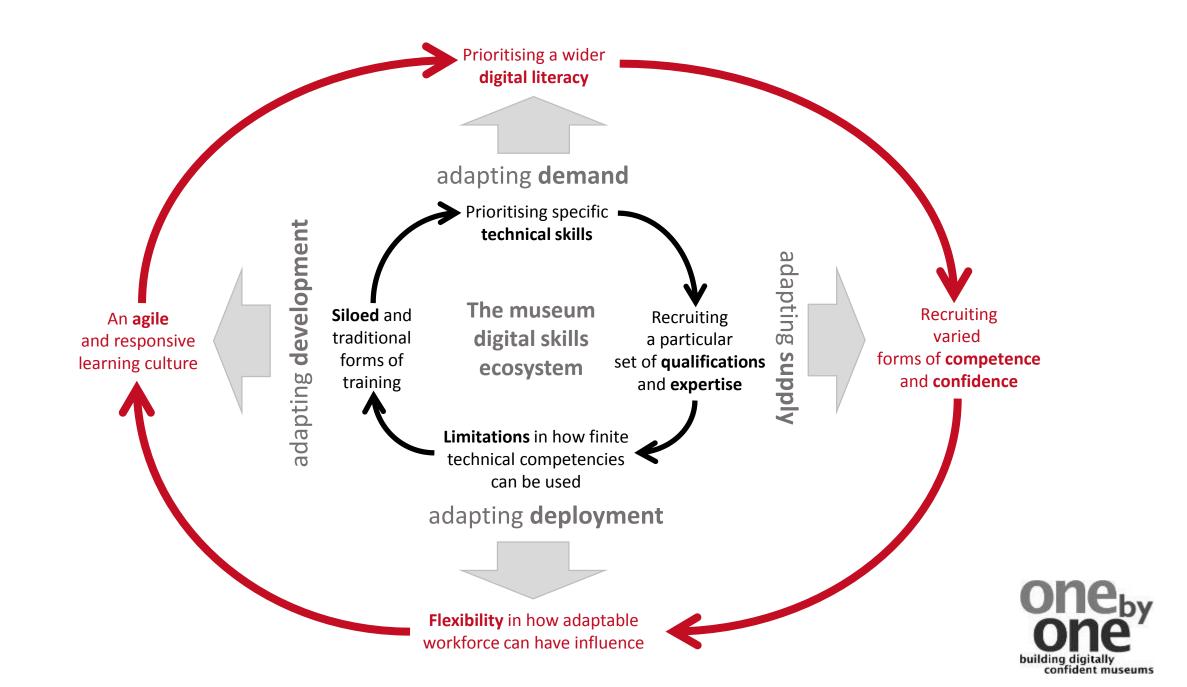








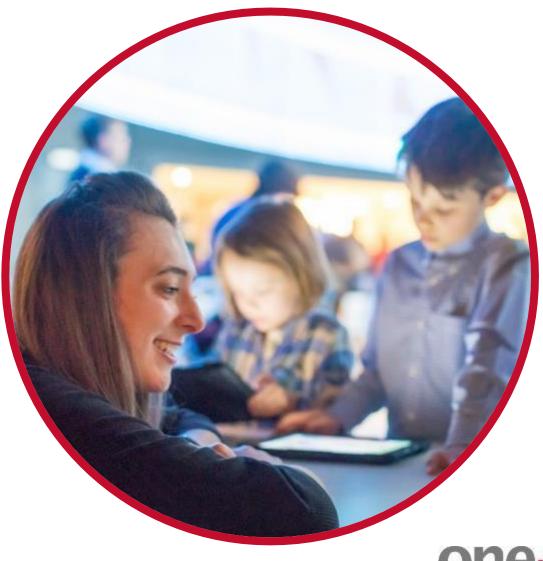
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### Phase 2 'Define'





#### Point of View Statements

1. The museum sector needs a response to digital literacy development that is person centred, purposeful and useful.

2. The museum sector does not need a single list of digital competencies, but instead it needs the means to allow users to understand (and define) digital literacy generally, to set strategic priorities, and to plan and track proficiency.

3. The museum sector needs a consistent set of terms and definitions around 'skills' (differentiating between competency, capability and literacy), and museum-based categories of 'digital literacy.



### Point of View Statements

4. Museum people have a need to understand their particular **contexts** within which their digital literacies operate.

5. Museum people have a need to understand the different **digital literacies** (skills, competencies, capabilities) that they need in their different contexts

6. Museum people have need to be supported in developing their different digital literacies in different contexts, within appropriate organisational **conditions**.



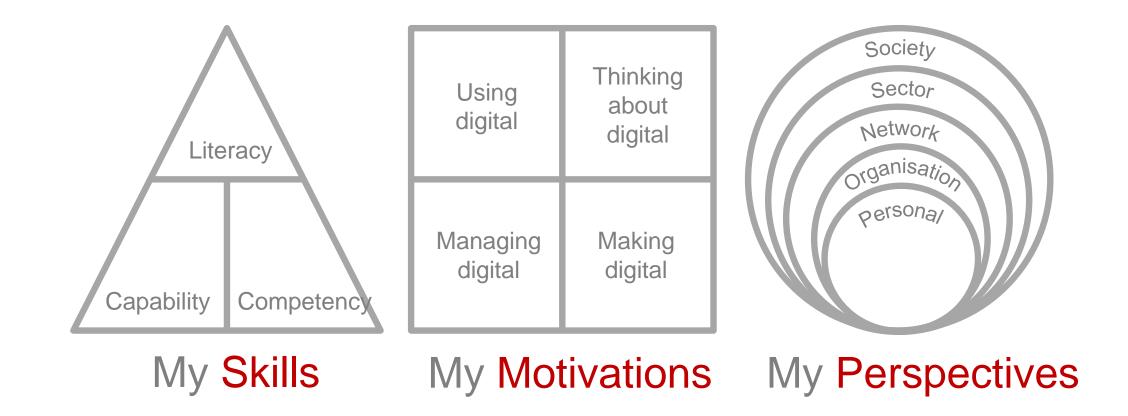
### Point of View Statements

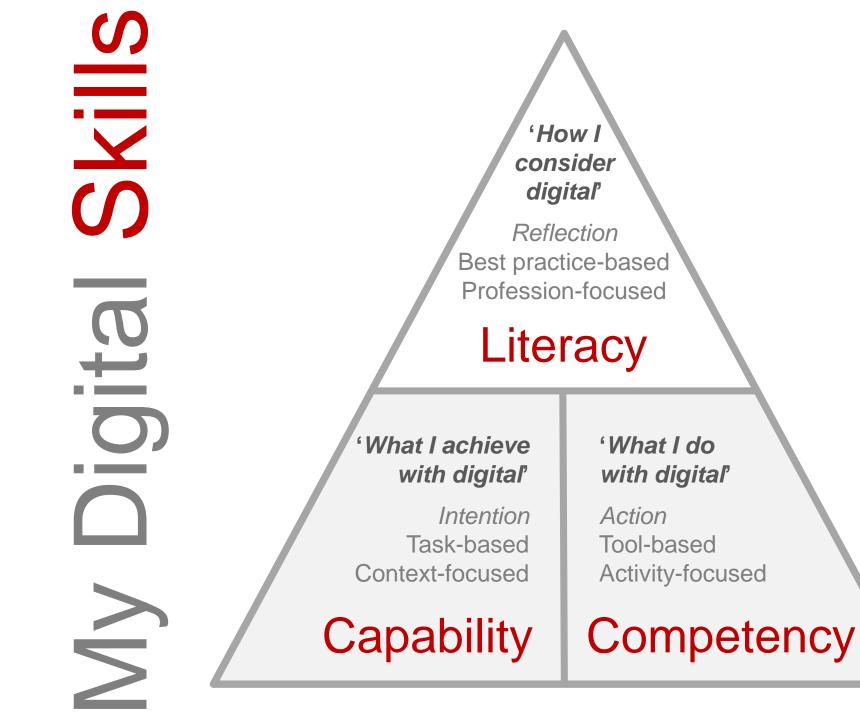
7. Museum people need to be supported in developing their different digital literacies in different contexts, through the appropriate **activations**.

8. Museum people need to be supported in developing their different digital literacies in different contexts, using appropriate **tools and resources.** 











# **Motivations** M

How I	How I
use	think about
digital	digital
Being confident	Being reflective
How I	How I
manage	make
digital	digital
Being responsive	Being creative



