Next-generation learning environments

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<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
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| Underpinning  | • Network  
                • Wifi  
                • Devices and printers                                    |
| Ubiquitous    | • VLE                                                        |
| Gaining fast  | • lecture capture  
                • online submission and feedback                           |
| More variation| • e-portfolio  
                • social media, collaborative spaces  
                • online assessment  
                • online learning resources                                 |
Rely on their institution’s VLE to do their coursework

Regularly access their institution’s VLE via a mobile device

80% HE students
61% FE learners

67% HE students
48% FE learners

BUT only 40% agree they enjoy using the collaborative features or want their tutors to use it more
Recommendations from initial phase

» Aggregate data into learner records warehouse
» Enable API ecosystems
» Explore 3D and immersive
» Integration of physical and digital spaces
» Incubate institutional innovations
» Contextual inquiry into teaching and learning practices

Next generation learning environment

We think it is time for a new type of learning environment, but what would this look like?
UK Learning Analytics Service

Jisc Learning Analytics open architecture: core

Presentation and Action
- Alert and Intervention System
- Staff Dashboards
- Consent
- Student App
- Data Explorer

Data Storage and Analysis
- Learning Analytics Processor
- Learning Records Warehouse
- Data Aggregator

Data Collection
- Student Records
- Self Declared Data
- VLE
- Library
- Attendance, Presence, Equipment use etc...

Plugins and/or Universal xAPI Translator

UDD Transformation Toolkit