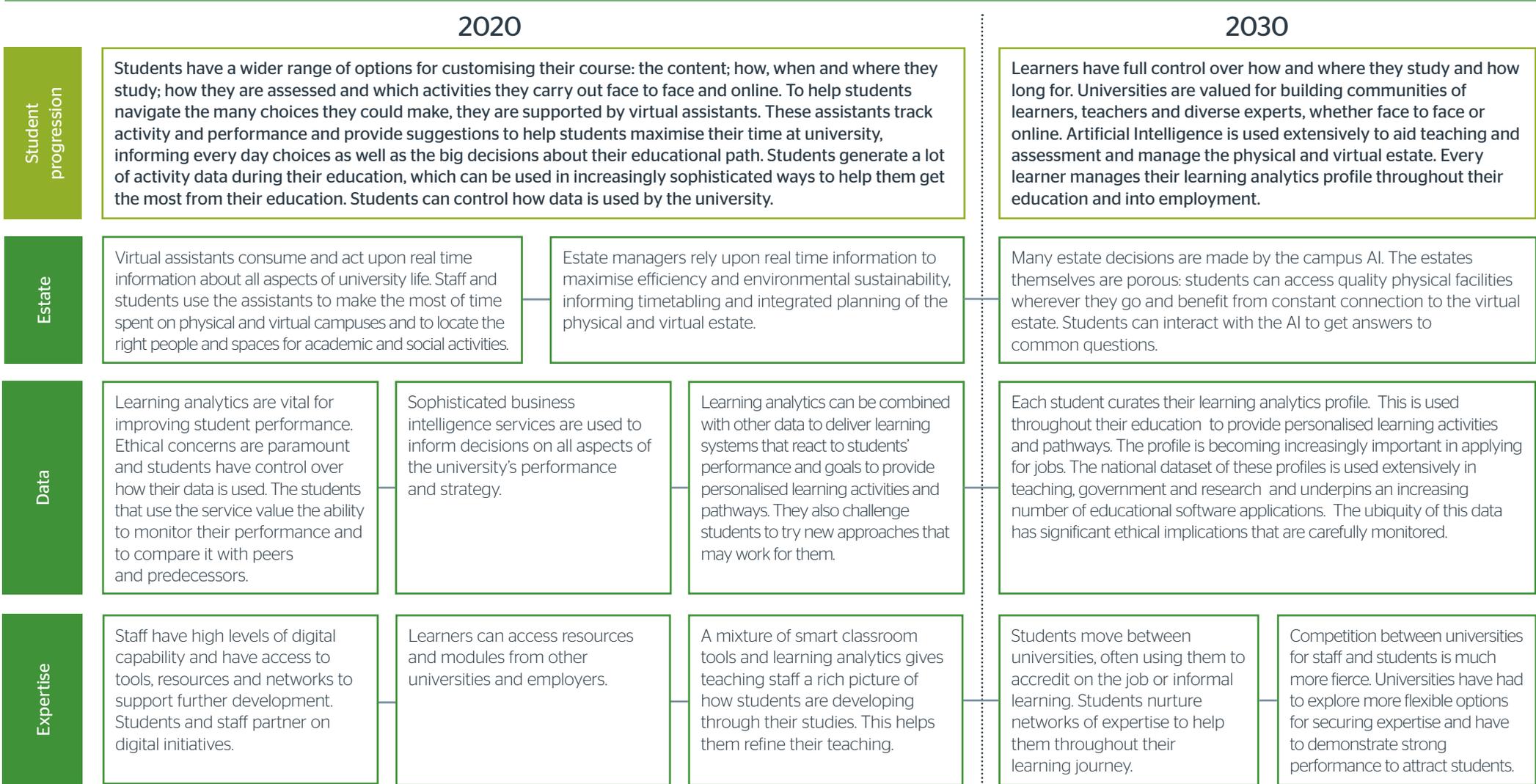
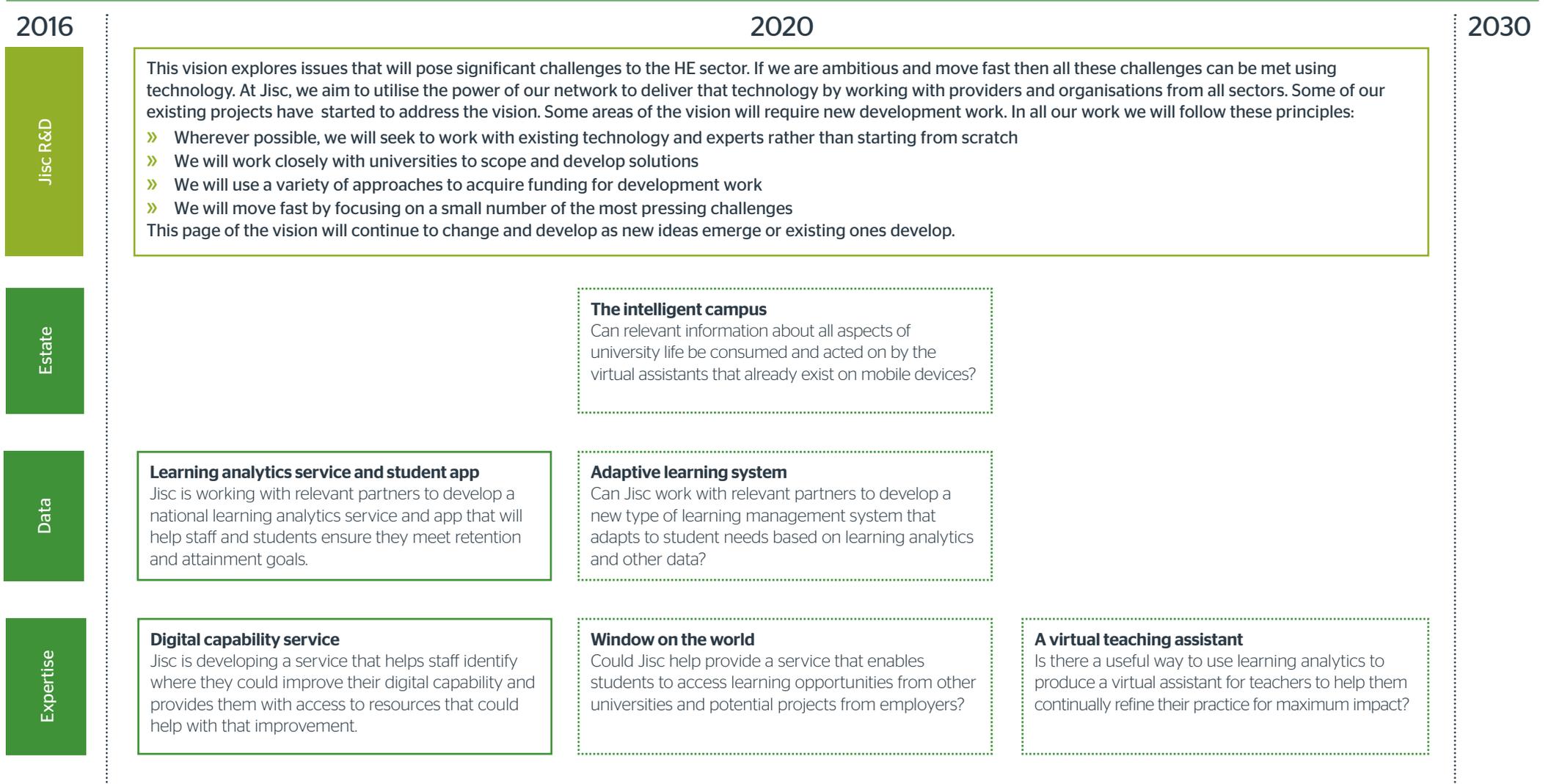


HE learning and teaching: vision



HE learning and teaching: what could Jisc contribute?



HE learning and teaching: vignettes



Shaz
Student

Shaz is looking forward to university and wants to make the most of the opportunity, but she has no firm career plans, and is concerned about the level of debt she will incur.

1. Prepare for university

2. Study in her own way

3. Plan her career

2020

Shaz's university opened up their learning and library systems to her before she started, and her virtual assistant helped her identify a few key readings and activities, including some which developed her digital capabilities for study.

Now she sets her own weekly activity goals, and compares progress with her friends. The campus is busy, but she can use her phone to find a quiet spot to study, book a slot in the gym, or see where her friends are. The wifi is fast and even available in the town centre so she can study wherever she is.

Shaz is firming up her career plans, and her virtual assistant helps her choose her third year options. She notices that the most relevant module is offered by another university, so signs up to study it online.

2030

Based on her learning analytics profile, Shaz's virtual assistant highlights some key areas she needs to develop before she starts her chosen course, and suggests some online options she can study while continuing to work. She enjoys this mode of study so much she completes her first year in this way.

After doing the first year of her course online, Shaz was excited to start her second year on campus, and loves the buzz of having lots of other students around. Her virtual assistant helps her choose the assessments she'd find most interesting, including some great projects with employers.

On the basis of one of her projects, an employer is ready to offer Shaz a job before her degree is finished. She can complete her degree with an employer-provided module and accredited on the job case study.

HE learning and teaching: vignettes



Chen

Graduate job applicant

Wants to get some early career experience in Europe, then move back to China.

1. Identify the right path for him

2020

After his first year in a new Chinese university, Chen transferred to one of its global partners to complete his studies: a leading UK higher education institution.

2. Maximise learning and build a strong CV

On arriving, Chen volunteered to take part in a new digital career pathway scheme. It incorporates his prior learning achievements from China, and gives him suggestions for building the extra-curricular part of his CV, e.g. voluntary work.

3. Apply for jobs

With this extra experience, Chen uses an online CV builder tool to good effect. He feels his applications are every bit on a par with home students. His hard work paid off with a trainee accountant job offer at a leading UK firm.

2030

Chen arrives in the UK with a clear idea of what he wants to achieve. He uses an online career modelling tool to get ideas on possible third year modules and extracurricular work, as well as the grade point average he will need. He starts applying for summer internships right away.

His virtual assistant alerts him where his performance in areas of the course is starting to drift away from the high standard required. It triggers an early meeting with his personal tutor, and additional personalised online activities to really focus on the learning objectives in question.

Chen applies to several companies. As part of applying he submits his learning analytics profile, which demonstrates his working style in a more powerful and transparent way than any attitude based questionnaire. In the end, Chen has the choice between a number of job offers.

HE learning and teaching: vignettes



Charlotte
Lecturer

Charlotte is very time-pressured, and wants to make sure that she's focussing her teaching effort on the activities which make the biggest difference to her students.

1. Teach her students effectively

2020

Charlotte uses her online dashboard to see the data from her whole cohort. She uses this to fit her weekly pre-workshop screencasts to student needs, and explores and contextualises the most challenging concepts in the face to face workshops.

2. Ensure her students succeed

She gets detailed learning analytics information on the progress of her students, and rapid alerts if any of that group seem to fall off the pace - in which case she makes time for a chat ASAP. Sometimes it is a false alarm, but when there are issues, it is amazing how quickly many can be resolved person to person if tackled early.

3. Reflect and plan

At the end of each teaching block, Charlotte uses the data from smart classroom tools, learning analytics and her teaching records to review which teaching strategies have worked best across the cohort, and use this information to refine her plans.

2030

Charlotte teaches students from all round the world who choose her classes based on her reputation for her specialism, largely derived through her online collaborative work. Some of her students attend through her host institution, others through brokered arrangements from other universities, but there are many students worldwide who attend independently or through their employers.

The virtual teaching assistant helps Charlotte act on her observations and the outputs of learning analytics to manage student learning effectively, structure group tasks, and provide relevant input to each student based on their current understanding and interests. Routine queries are also handled by the virtual teaching assistant, though Charlotte always keeps an eye on the conversations to make sure they're on track.

Charlotte uses the data patterns from the virtual teaching assistant to review how each learning activity functioned for the different elements of her cohort, and replans accordingly. She reviews public interest in a couple of her proposed courses, often in research areas which have emerged through collaborative work with her students, and starts planning how to deliver the most popular one.

HE learning and teaching: vignettes



Mark
Senior leader

Budgets, benchmarking, cyber security, employability, fees and fee caps, league tables, Prevent, recruitment, retention, satisfaction, teaching excellence framework, visas, ... the list goes on and on!

1. Deliver an excellent student experience

2020

Mark is really pleased at the way his university has been able to use learning analytics and a student learning pathways tool to improve the retention, attainment and career destinations of particularly his non-traditional students.

3. Access the data required to make good business decisions

His team have used insights from a range of data sets to improve teaching and review the academic portfolio, contributing to strong TEF results. His estates team have used data on space utilisation to review the estate, leading to significant carbon and financial savings.

4. Ensure his university is competitive

Mark's made good use of available training and support - a digital leadership programme gave a great introduction, an online course has really helped with the implementation of campus safety duties, and learner engagement data makes him confident that his international students are really here to study.

2030

The university has a distinctive blended learning system, which evolves by incorporating the best-performing innovations of its teaching staff. The emphasis on personalised digital technology and 1:1 tuition has led to impressive student experience statistics.

Strong TEF metrics on learner engagement have driven up applications for first year level UG. Some students are exercising their option to transfer elsewhere for later years, but they are more than matched by other students transferring in, usually from partner institutions such as FE colleges delivering HE, and a small number of international franchises set up without any of the risk of an overseas 'bricks and mortar' venture, and with plenty of real time data to show their value.

The university has seen an increase in numbers of graduates entering what would have once been seen as more 'exclusive' professions. This is due in part to the embedding of a personal employability dashboard. This has led to an increase in recruitment of high performing students and has helped the university move up the league tables.