

Future Skills

targeting curriculum innovation

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> 1500 Students

3 M.Sc. Programmes

5 B.Sc. Programmes

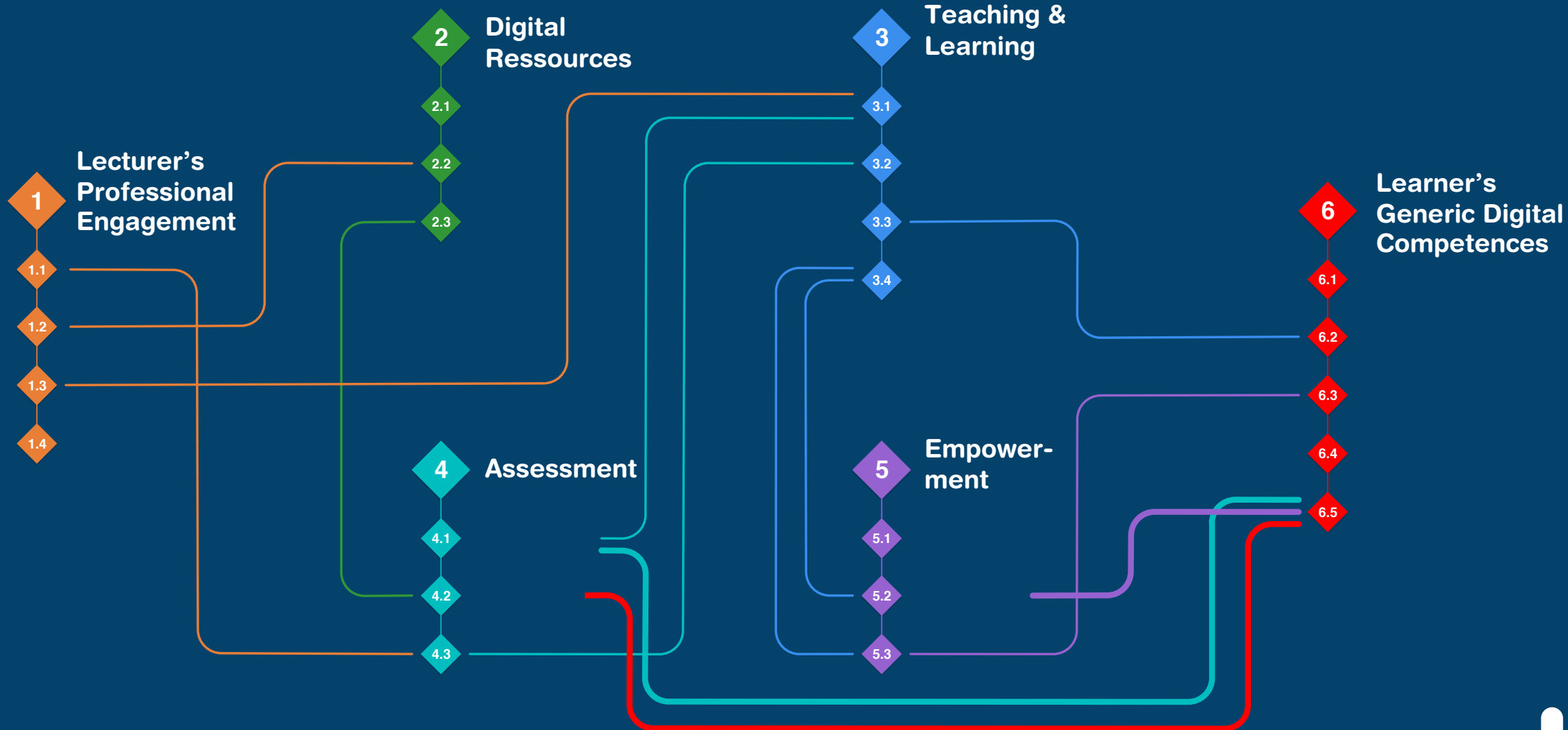
- Chemistry
- Biotechnology
- Natural Resource Sciences
- Food Technology
- Facility Management

Digital Transformation in Higher Education

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Where to draw the baseline?



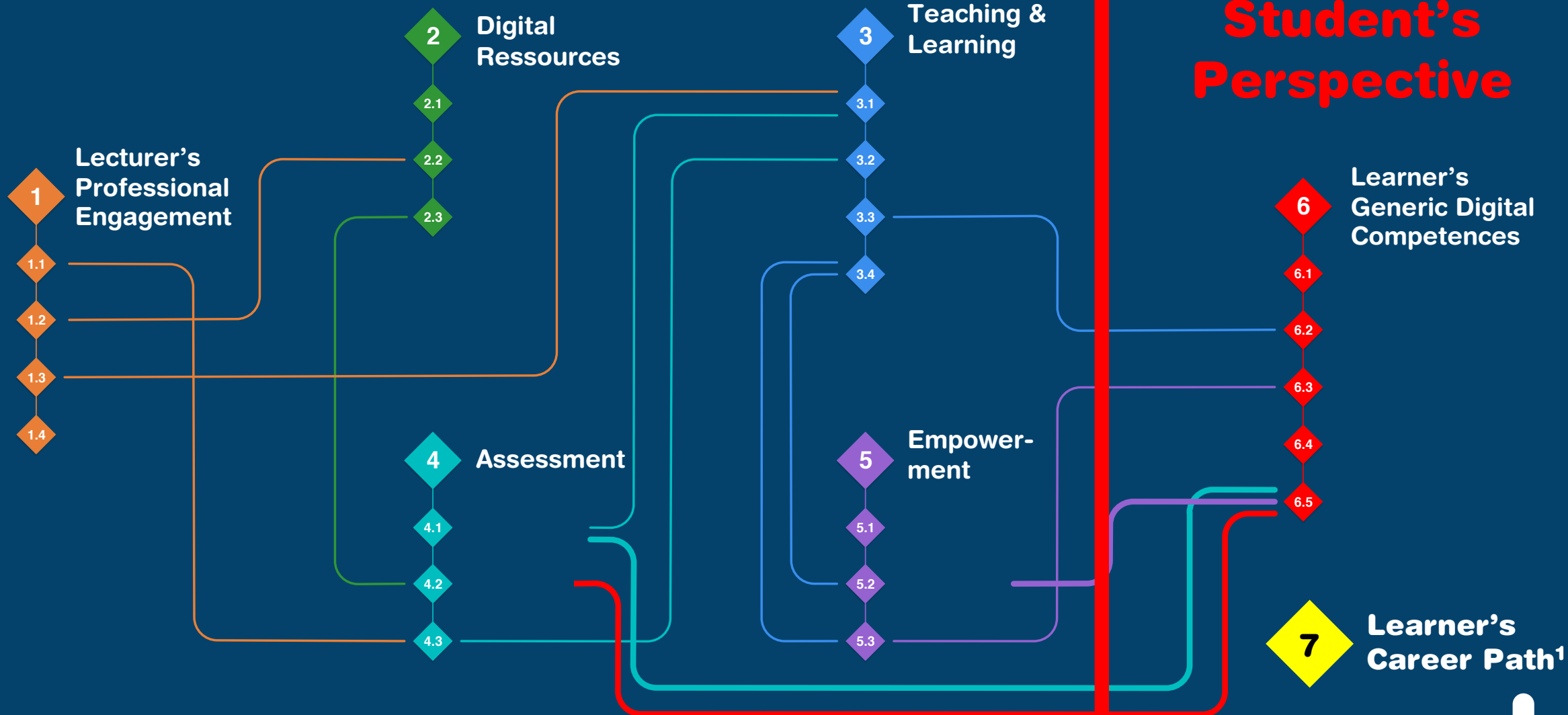
DigiComp Edu (<https://ec.europa.eu/jrc/en/digcompedu>)

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1: not part of DigiComp Edu



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The Challenge

Figure out who already
considers digital skills

1972 Course Descriptions

271 Candidate Courses

64 Digital skills in 81 courses

which relates to 4% of all courses

4% of the courses focus on digital skills already

***There is a healthy baseline
that waits for upscaling***

64 Digital skills

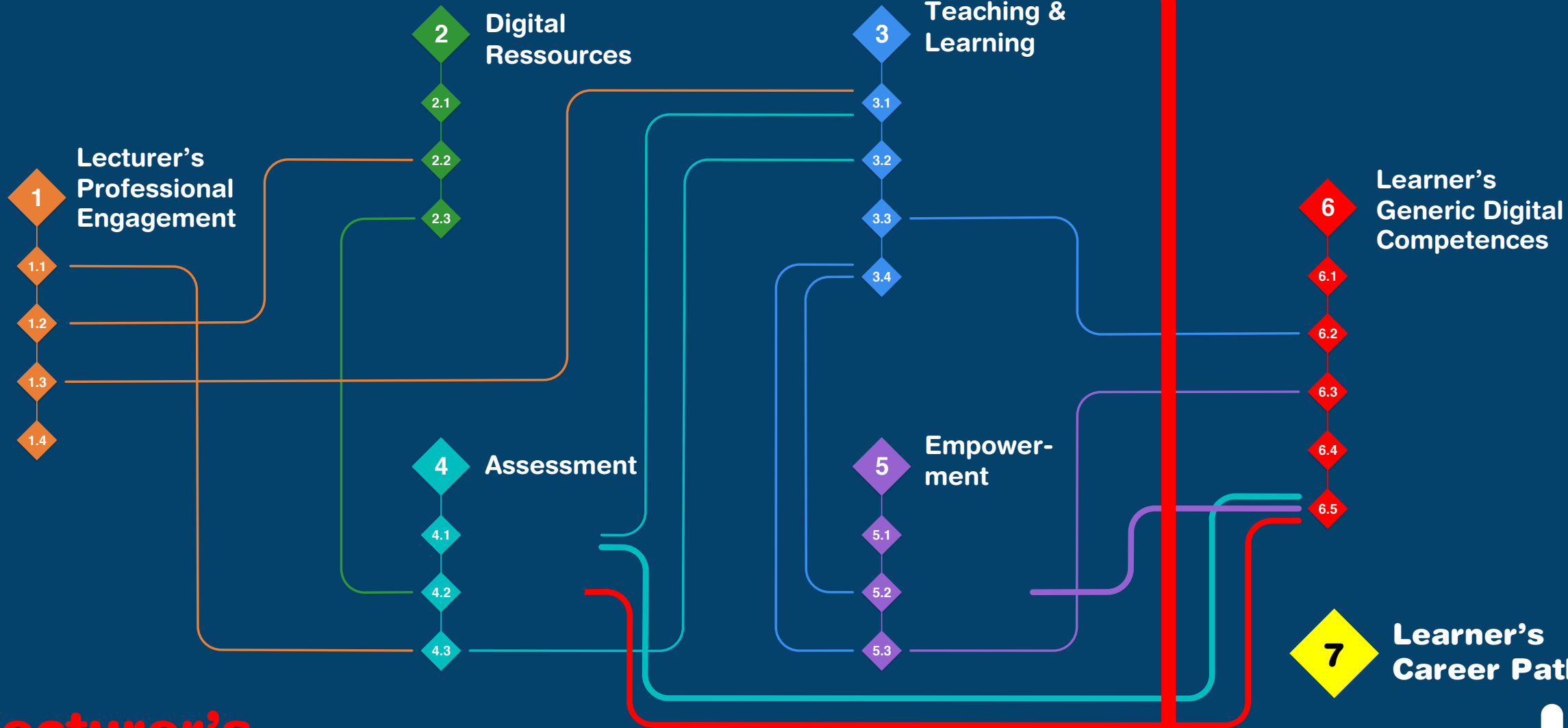
25 terms for generic digital skills

The 2 truly common skill terms¹

- Data
- Digital

50% of digital skills are expressed only in one study program

**Most digital skills
are specific to the
subject matter**



**Lecturer's
Perspective**

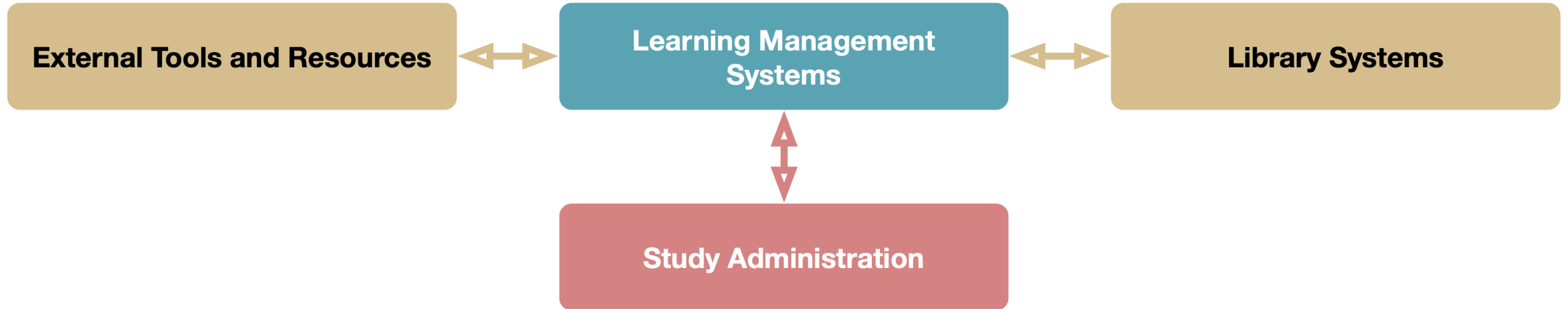
Understanding digital teaching practices

Glahn, C. (2019). Measuring the Digital Transformation of Education and Teaching. In A. Elçi, L. Beith, & A. Elçi (Eds.), *Handbook of Research on Faculty Development for Digital Teaching and Learning* (pp. 379-401). Hershey, PA: IGI Global.

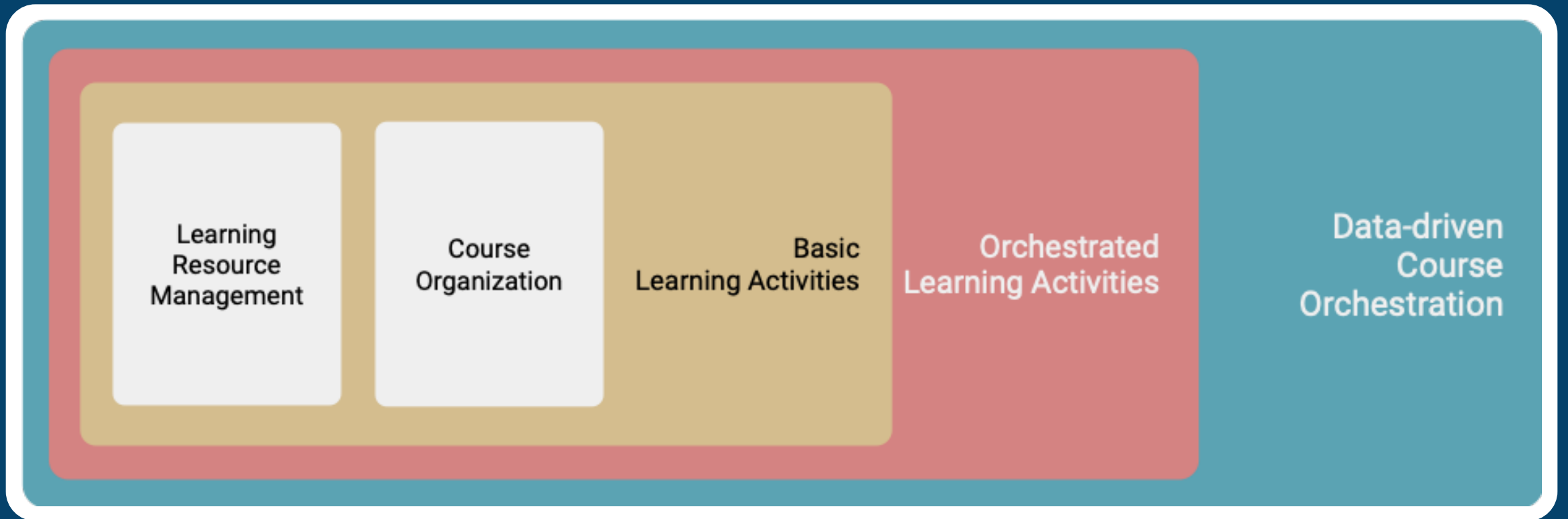
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Learner facing systems and services

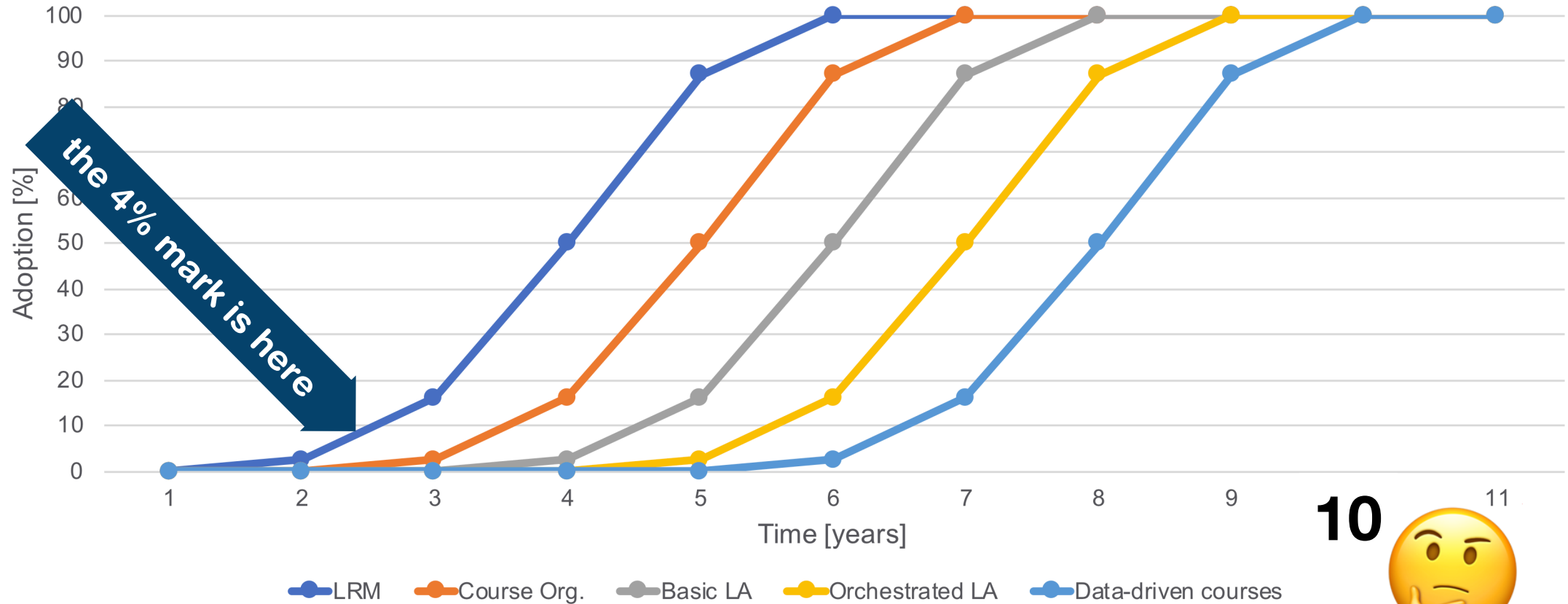


Organization facing systems and services



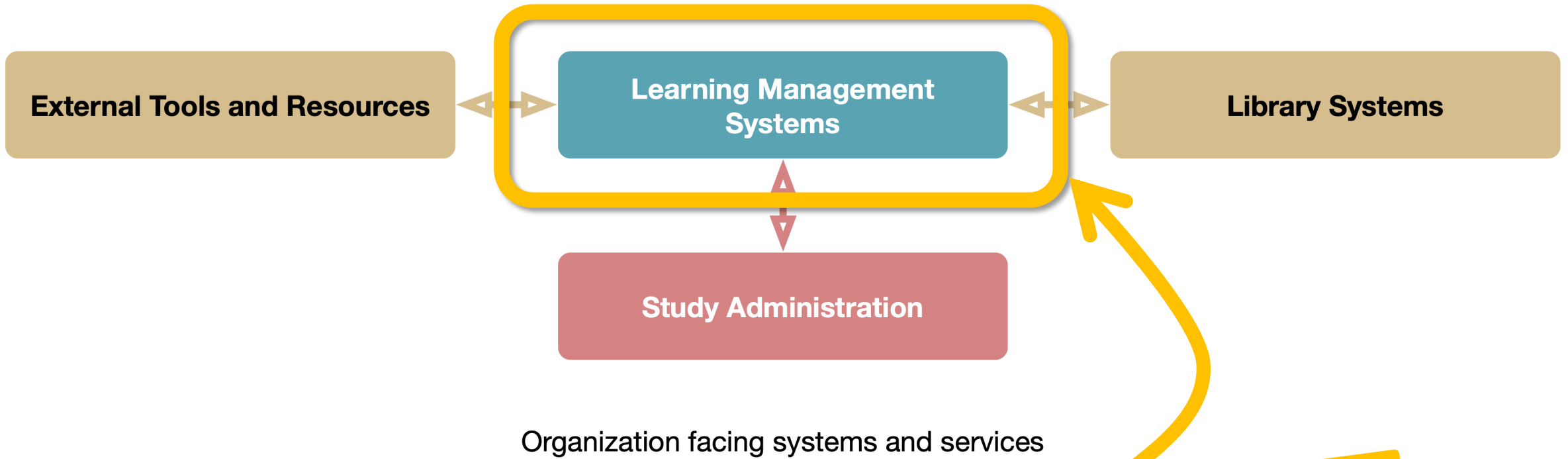
**Each level of
digital teaching
requires its own
set of design and
coordination skills**

**Each level of
digital teaching
follows
an independent
innovation path**



Even the idealised adoption of innovation in an organisation takes a long time

Learner facing systems and services



Organization facing systems and services

**Check what tools are
used in an organisation**



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<https://www.zhaw.ch/ias>