

A ten year journey

Can we unify instructor approaches
and learner reactions to eportfolios in
higher education?

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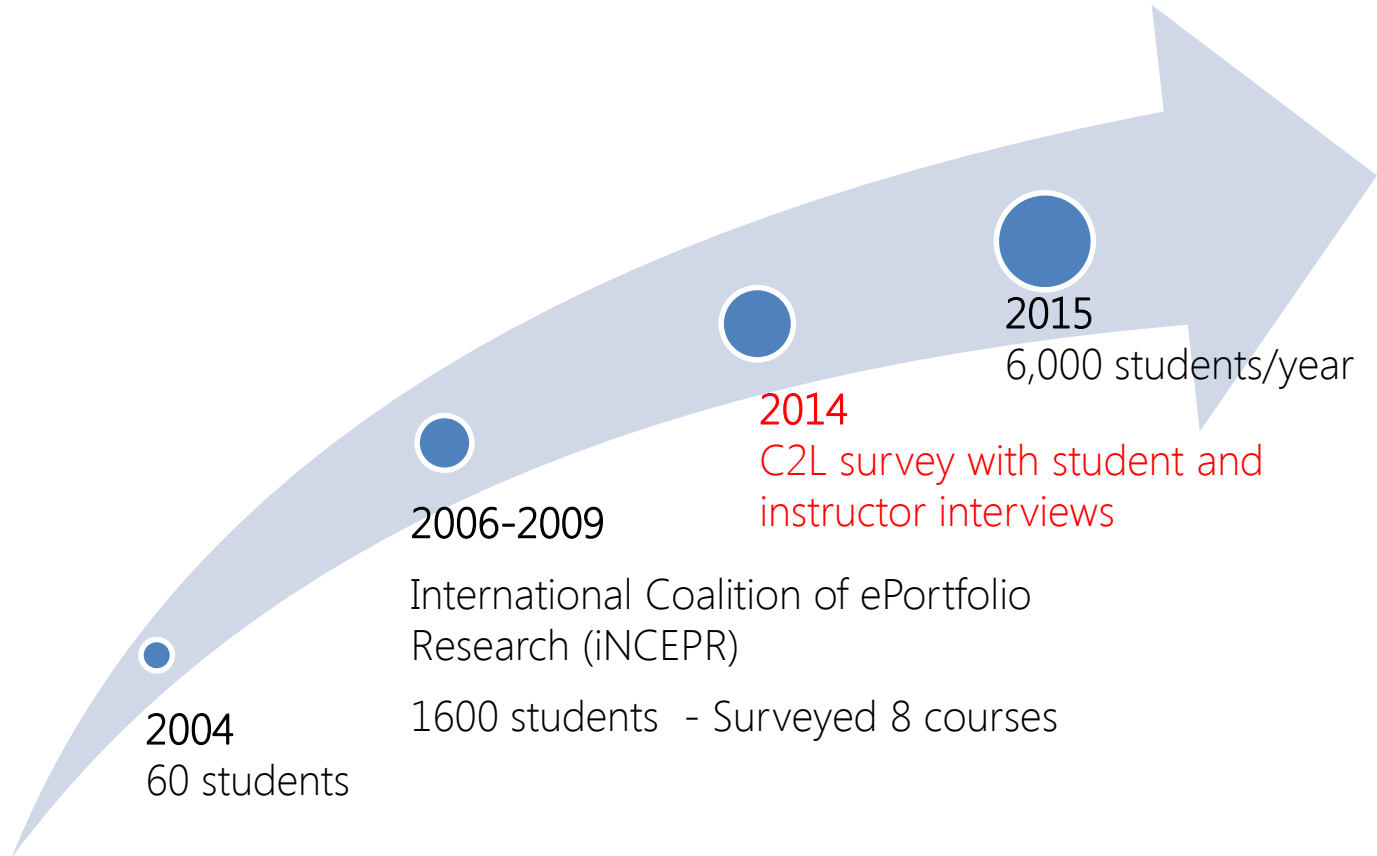
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Our Study

We pose the following questions:

- To what extent do students and instructors **agree on the goals and the rationale** behind using eportfolios?
- What might be done to ensure a **better alignment** between instructor and student expectations and leverage the power of eportfolios?
- How does the **communication of expectations** influence the success of eportfolios as a form of assessment?

Data collection over the years



Effectively Integrating ePortfolios: A Model for Student Success

Introduce the ePortfolio Early/Communicate Expectations

Give 'em Grades

Provide feedback early and often (instructor or peer)

Respect Disciplinary Context

Provide time and space for meaning making and making connections

Threshold for using ePortfolio

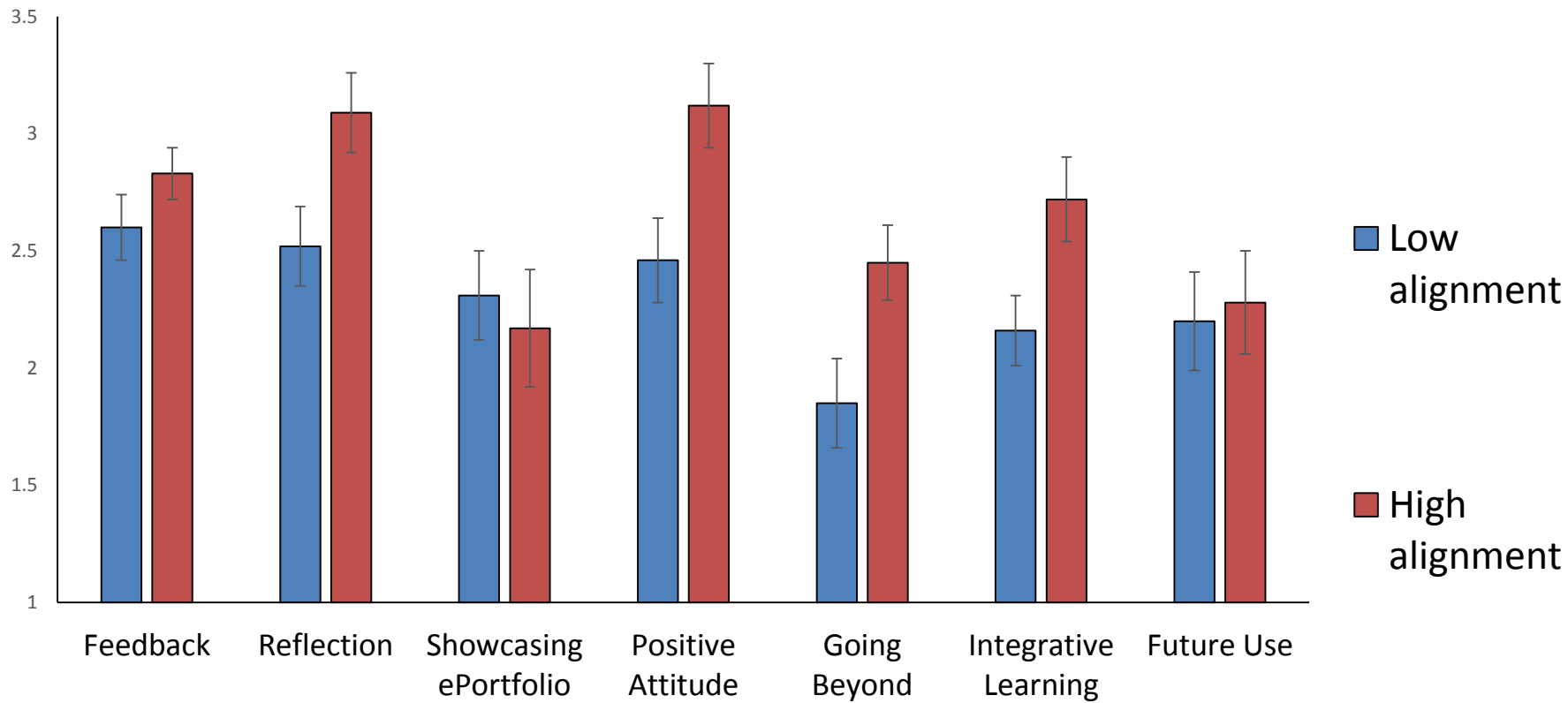
| Goal of ePortfolio | Survey item |
|---------------------------|--|
| Learner Identity | Helping students develop their identities as learners |
| Reflective Learner | Helping students become more reflective learners |
| Outside School | Helping students see connections between their coursework and their lived experiences |
| Education | Helping students develop their own educational goals and plans |
| Career | Supporting students' career preparation |
| Synthesize Ideas | Synthesize and organize ideas, information, or experiences in new ways |
| Writing | Contribute to students' knowledge, skills, and personal development in writing clearly and effectively |
| Understand Selves | Contribute to students' knowledge, skills, and personal development in understanding themselves |
| Teamwork | Contribute to students' knowledge, skills, and personal development in working effectively with others |

30 courses
N = 863 students
Average response rate = 29%

| Sample survey items | |
|---|--|
| Feedback ($\alpha = .75$) | My peers/classmates provided useful feedback on my ePortfolio. |
| Reflection ($\alpha = .92$) | Building my ePortfolio helped me to think more deeply about the content of my course. Using ePortfolio has allowed me to be more aware of my growth and development as a learner. |
| Showcasing the ePortfolio ($r = .70$) | I'd like to use my ePortfolio to show what I've learned and what I can do to others, such as potential employers or professors at another university. |
| Positive Attitude ($\alpha = .85$) | I enjoyed building my ePortfolio. The ePortfolio was an important part of this course. |
| Going Beyond ($\alpha = .86$) | I went beyond what was required for the course (e.g., creating extra pages or posting my own links, text, or photos). |
| Integrative Learning ($\alpha = .86$) | How often have you combined ideas from different courses when completing assignments? How often have you examined the strengths and weaknesses of your own views on a topic or issue? |
| Future use ($\alpha = .89$) | How likely are you to voluntarily continue to use your ePortfolio in other courses? |

| | Feedback | Reflection | Showcasing the ePortfolio | Positive Attitude | Going Beyond | Integrative Learning | Future Use |
|-------------------------------|----------|------------|---------------------------------|----------------------|-----------------|-------------------------|------------|
| Learner Identity | -.34** | .42* | -.29* | -.41* | -.21 | -.30* | -.16 |
| Reflective Learner | -.30* | -.33* | -.11 | -.13 | -.14 | -.36** | -.09 |
| Outside School | -.30* | -.46** | -.18 | -.44** | -.26† | -.30* | -.19 |
| Community | -.27* | -.21* | -.09 | -.27* | -.27* | -.46** | -.10 |
| Education | -.23† | -.51** | -.36** | -.40** | -.28* | -.37** | -.33* |
| Career | -.22† | -.48** | -.39** | -.37** | -.29** | -.40** | -.43* |
| Synthesize Ideas | -.40** | -.58** | -.33* | -.61** | -.44** | -.48** | -.58** |
| Writing | -.44* | -.57** | -.42* | -.38** | -.54** | -.67** | -.46** |
| Understand Selves | -.24† | -.56** | -.43* | -.47** | -.37** | -.50** | -.48** |
| Teamwork | -.30* | -.47** | -.30* | -.33* | -.35** | -.53** | -.49** |

* $p < .05$ ** $p < .001$ † $p < .10$



Scale from 1-4

Current best practices... or is there more to the story?

1st year biology course – assignment weighted 5%



1st year general Arts course – no sharing between students



1st year intro Arts course – followed best practices



What other factors influence eportfolio “success”?

Our ‘Best Practices’ and the C2L survey focus on **ePortfolio design**, not on factors which are secondary to the preparation and implementation of the activity

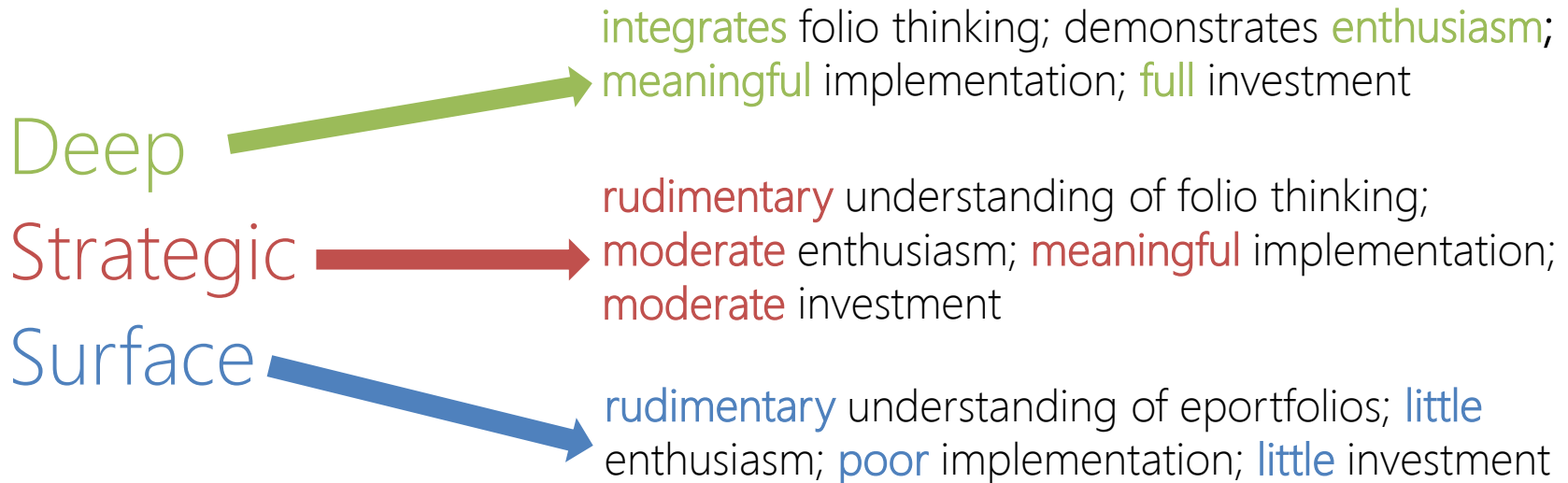
Problematizing eportfolio research

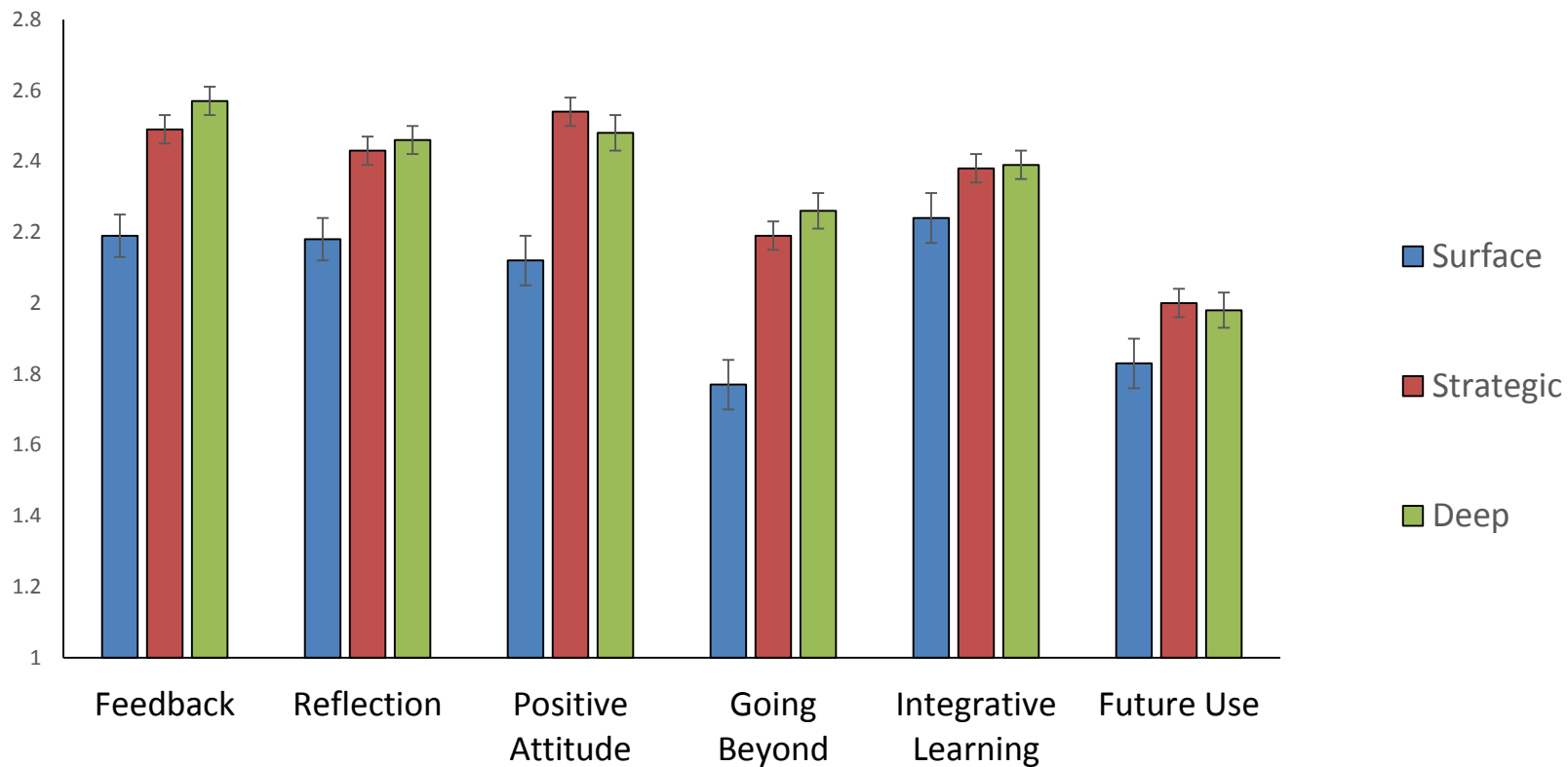


Teaching Presence - “interaction and discourse play a key role in higher-order learning but not without **structure** (design) and **leadership** (facilitation & direction)”

Focus on the instructor's role

Can we classify the instructor's own positioning towards the eportfolio implementation?





Scale from 1-4

Your thoughts?

While we firmly believe that eportfolios are more than a plug-and-play technology, we believe that effective implementation involves more than good pedagogical design.

Teaching presence/personal investment is **critical**.

What thoughts do you have on other factors that may play a role in successful eportfolio implementation?

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