IVIDEO.EDUCATION
THE PAST, PRESENT AND THE FUTURE OF A HYPERVIDEO PLATFORM FOR TEACHING & LEARNING IN VET

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Outline

• A definition of hypervideo;
• The iVideo.education platform;
• How we used hypervideo in VET;
• Effectiveness (research evidence collected);
• Toward iVideo 2.0
The context

More than 50% of YouTube users watch videos to *figuring out how to do things they haven’t done before*» (Pew Research Center, 2018)

From 2008 YouTube has introduced features of the **hypervideo** such as annotations and hotspots
But what exactly is a hypervideo?
DYNAMISM

CONTROL FEATURES

• Macro-level features
  • Table of contents
  • Index

• Micro-level features
  • Play/Pause
  • Rewind/Forward

HYPERLINKS
  (texts, audio, web pages, etc.)

COLLABORATIVE VIDEO ANNOTATION

Feedback

QUIZ

EXCHANGE FEATURES

VIDEO

NON LINEAR STRUCTURE

HYPERVIDEO

LINEAR STRUCTURE

Basic features

Optional features
iVideo.education
Using hypervideo for educational purposes
iVideo 1.0 main components

Player

Editor

Portal
Player

- Learning objectives
- Control - macro-level
- Hyperlinks (hotspots)
- Control: micro-level
- Annotation (Individual or collaborative)
Self-assessment quizzes
Player – individual annotation
Player – comments / collaborative annotation
Use cases of iVideo.education
Integrating hypervideo in a didactic scenario

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### Analysis of professional practices

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- **Preparation**: Raw video, Interactive video
- **Production**: Interactive video
- **Use**: Interactive video
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Office clerks

analysis of professional practices
Learning by designing

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Nursing course
Learning by design
Evidence of hypervideo effectiveness on...

- Apprentices’ motivation (Cattaneo et al., 2018);
- Apprentices’ declarative knowledge acquisition and transfer to practice (Cattaneo et al., 2018);
- Apprentices’ reflection on/in practice (Perini et al., 2019);
- Apprentices’ procedural mistakes analysis (Cattaneo & Boldrini, 2017);
- Apprentices theoretical and procedural knowledge acquisition (Evi-Colombo et al., under review);
- Quality of feedback provided by tutors (Cattaneo et al., 2020);
The future of iVideo.education
Let the eagle fly

No didactic indications.
For Apprentices

For Teachers
Thanks for participating!

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References


