

XR SCAN



The case of the Flemish education

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WHAT IS HAPPENING IN FLANDERS?



ARE WE XREADY?

- Opportunities
 - Hardware and software distribution
 - XR professionalisation

Is the school ready for XR?



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MESURING XR READINESS

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XR SCAN DESIGN

- University of Ghent
- Educational Design Research (McKenney & Reeves, 2012)

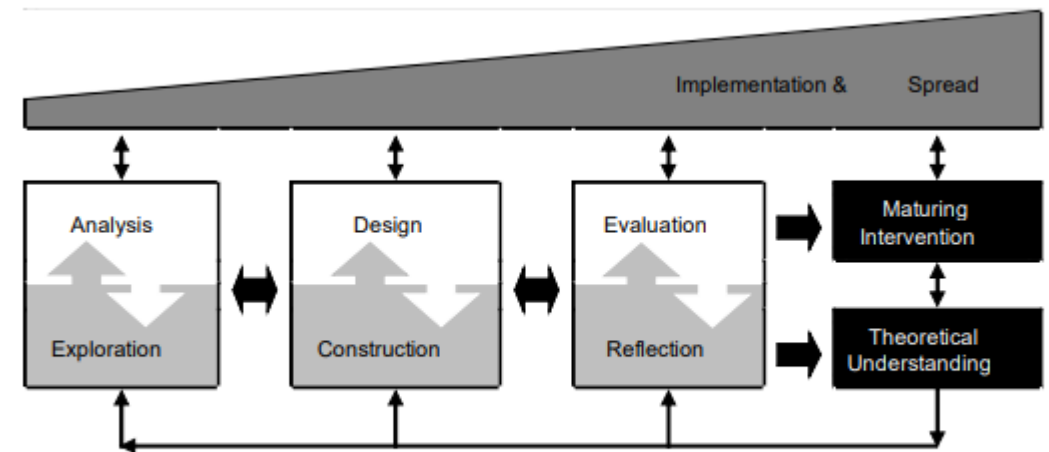


Figure 1. Generic model for conducting educational design research (McKenney & Reeves, 2012)

EDR DESIGN

Mixed methods approach

Phase 1: Analysis and Exploration

→ Analysis of needs, literature; frameworks; interviews with schools

Phase 2: Design and Construction

→ Different prototypes

Phase 3: Evaluation and Reflection

→ Final version

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Questionnaire with 10 questions

→ 10 domains
(meso and micro level)



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XR SCAN – 10 DOMAINS



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10 DOMAINS EXPLAINED

1. VISION

Acknowledgement of benefits of XR

2. POLICY

Plan / roadmap for XR

Quality check

3. PERCEPTION TEACHERS

Interest and positive attitude

10 DOMAINS EXPLAINED

- | | |
|-------------------------|--|
| 4. SOFTWARE | Use, purchase and/or (co-)creation |
| 5. HARDWARE | Use, purchase or lending, variety |
| 6. NETWORK & MANAGEMENT | WiFi, storage, management system |
| 7. PROFESSIONALISATION | Initiatives, internal/external, policy |

10 DOMAINS EXPLAINED

8. COMPETENCIES TEACHERS

Discovery vs. use

9. COMPETENCIES STUDENTS

Skills? Technical / independent /
creative

10. INTEGRATION IN PRACTICE

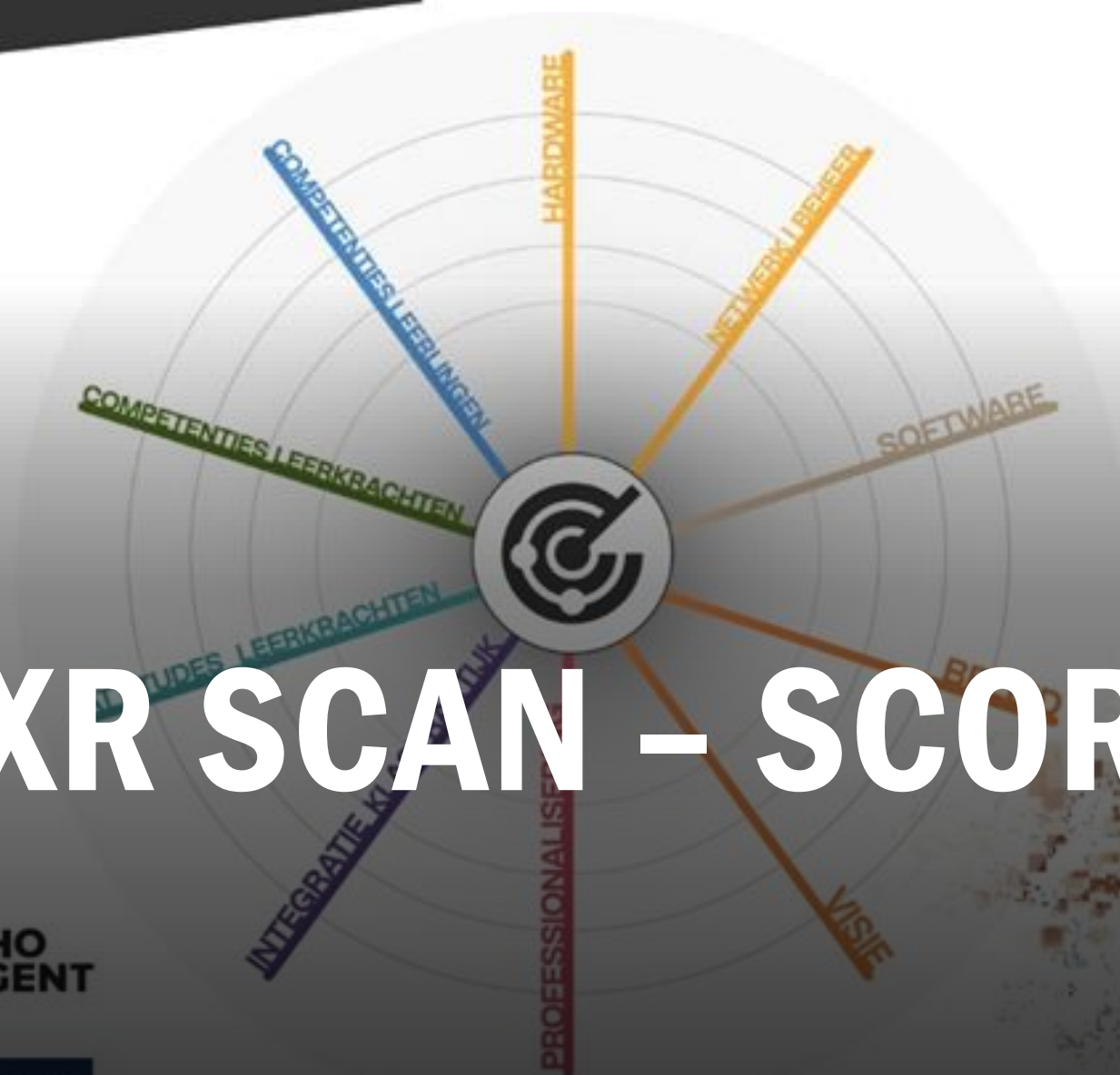
Frequency, courses, number of
teachers...

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XR SCAN – SCORE



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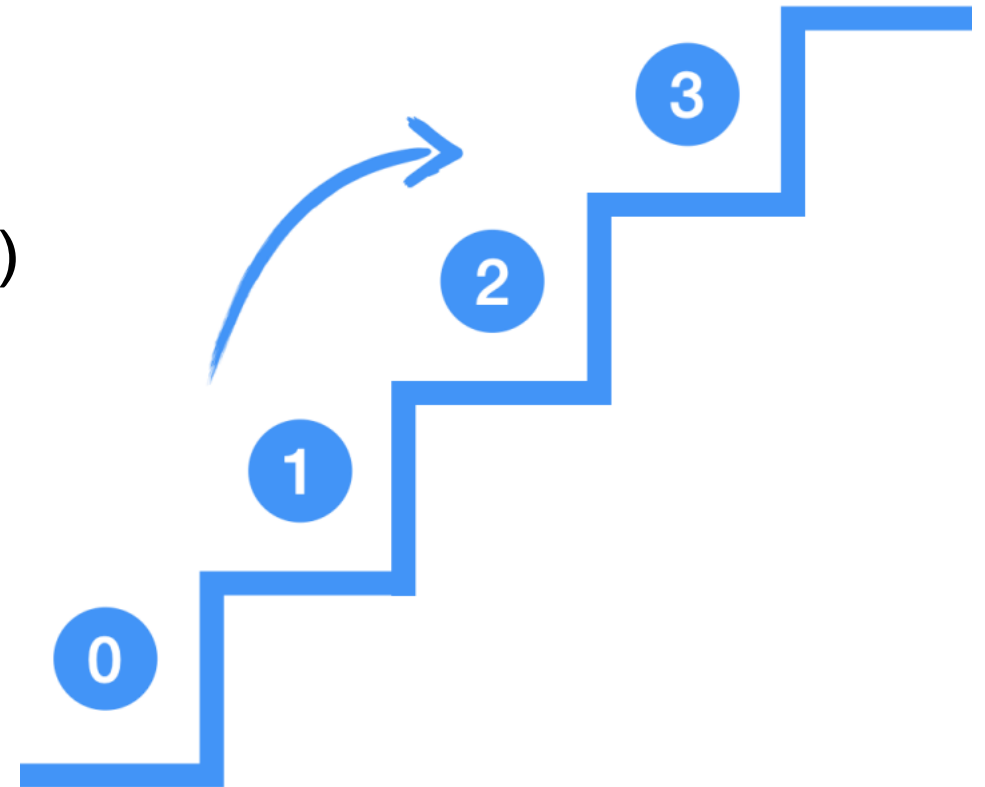
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SCORING ON 10 DOMAINS

Each question: 4 answering options

4 maturity levels (cf. Porter et al., 2014)

- 0 beginner
- 1 explorer
- 2 advanced
- 3 expert



SCORING ON 10 DOMAINS

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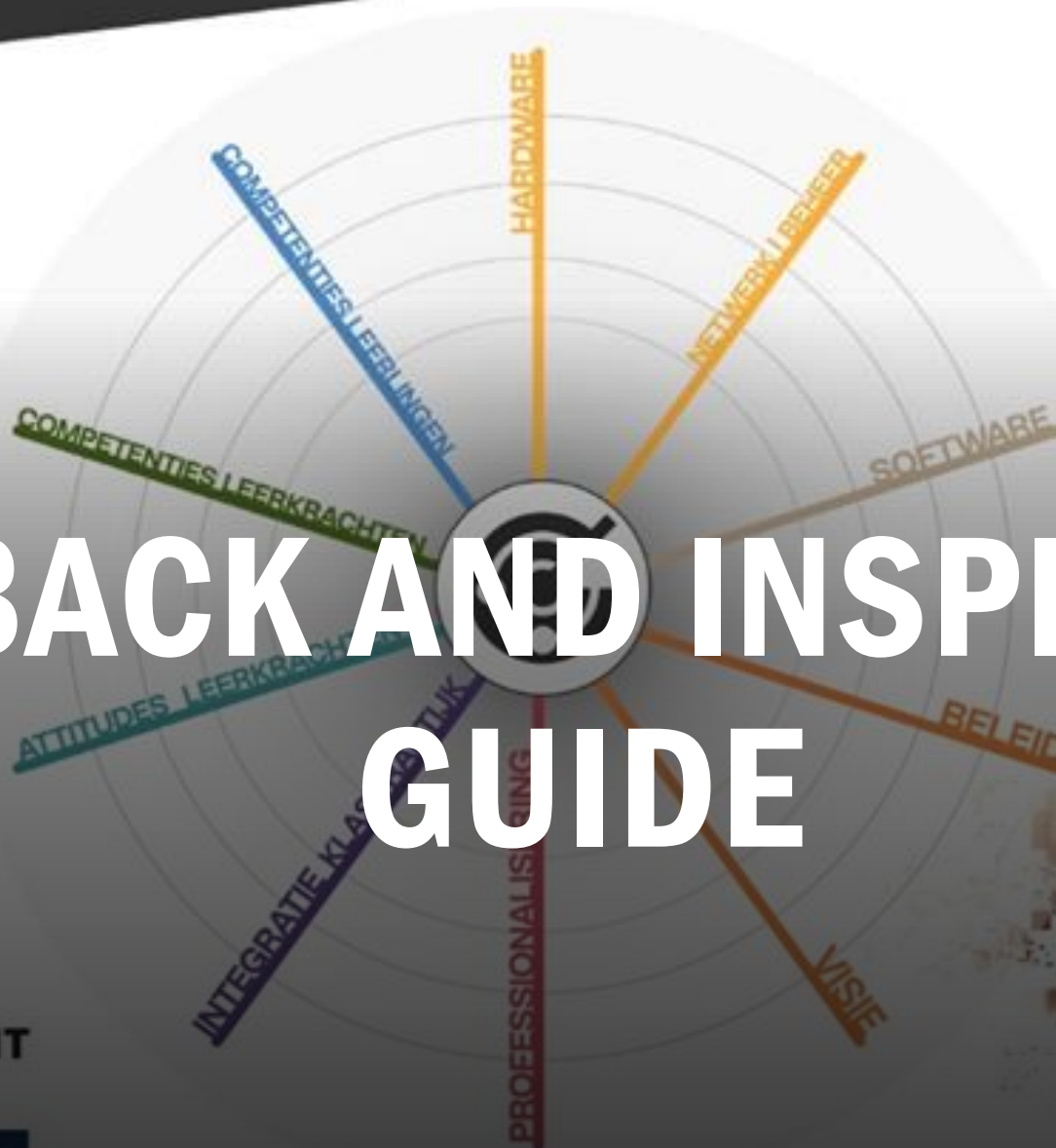
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FEEDBACK AND INSPIRATION GUIDE



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FEEDBACK & INSPIRATION

- Explanation of each domain
→ links with frameworks, streamers
- Inspiration: actions to level up
- Inspirational examples
- Standalone guide: self-assessing

0



1



2



3

EXAMPLE PROFESSIONALISATION

- 0
easily accessible workshop
Inspirational session of XR Academy
- 1
in-depth session enrichment of 360° videos
XR lunch&learn / XR café at school
- 2
Learning network: 1-on-1 trajectory
XR Inspire sessions
- 3
Own network of experts



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RESEARCH PROJECT



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- In publication
- More information:
Stéphanie Vanneste



Educational Technology,
Research XR
Pieter Schutijser

