

Narratives in Gamification: Considerations for Support of Digital Literacy of the *Elderly*

Development of a narrative as part of a senior-friendly gamification approach for an e-learning application

20th European Conference on e-Learning (ECEL 2021)

28.10.2021

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ePA-Coach project (2020 – 2023)

- **e-learning** platform for **seniors**
- digital literacy
- electronic health record (EHR) in Germany
- **gamification approach including a narrative** to enhance seniors' motivation to use the environment

Hypothesis

A narrative can overcome motivational psychological barriers among seniors regarding the use of an eLearning program.

Development process



Requirements for designing narratives

Personal, historical,
informing or
instructing

Embedded or
emergent

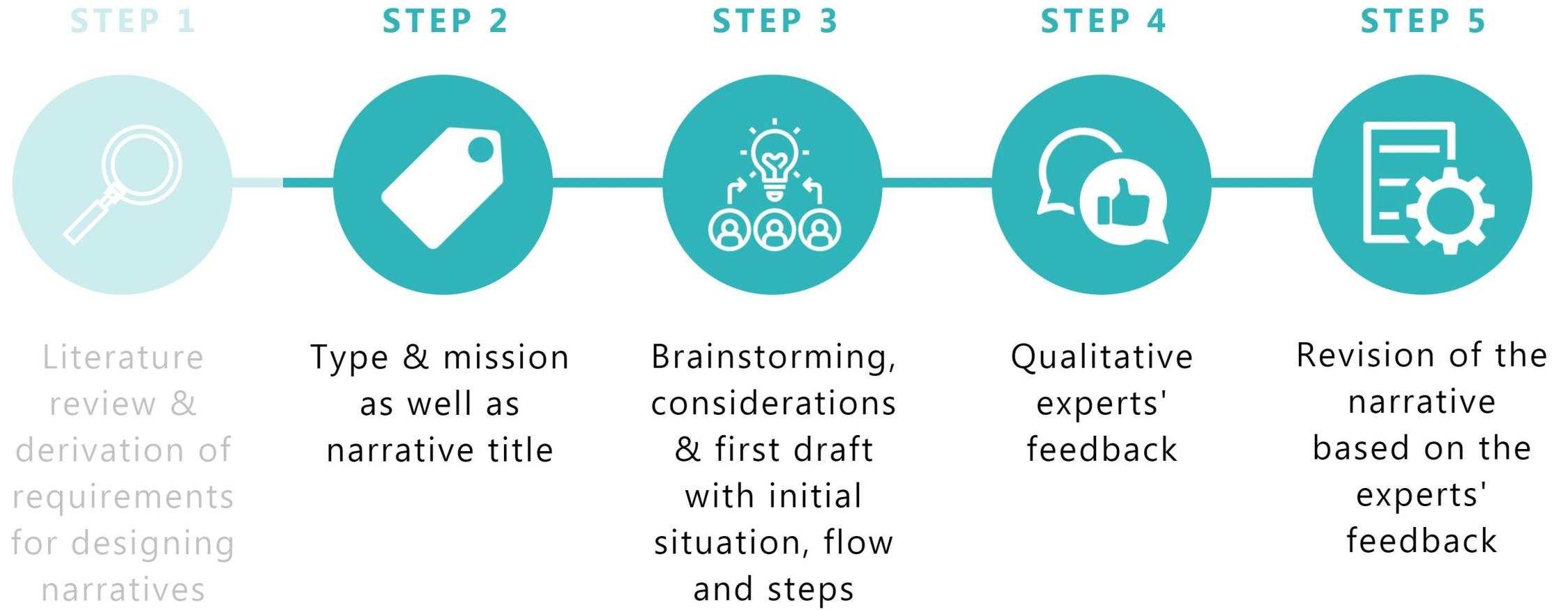
Linear or nonlinear

Framework parts:
initial situation,
emotional aspects,
events, options

Act in a role and
choose avatar

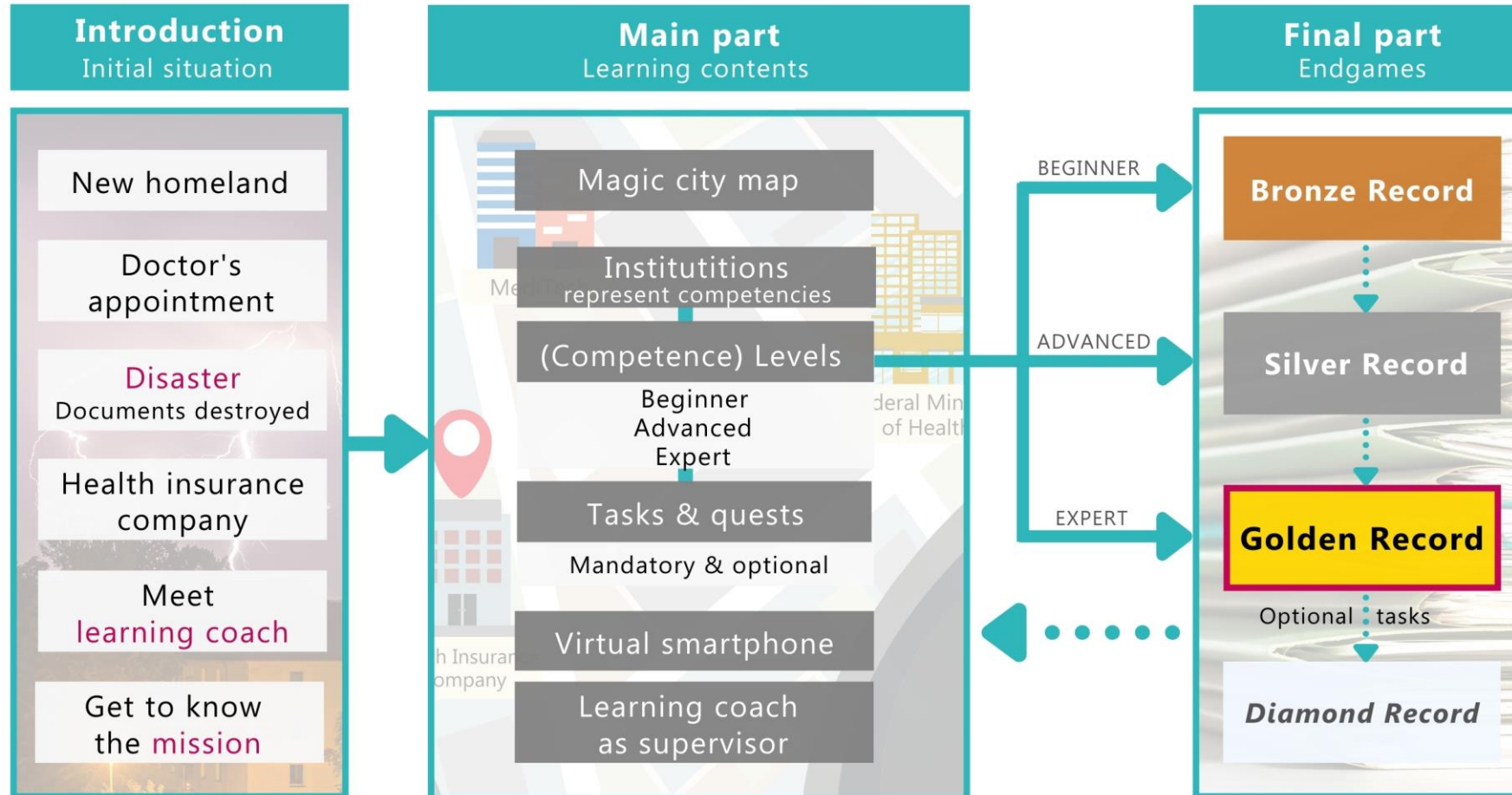
Specific tasks,
mostly real-life
problems

Development process



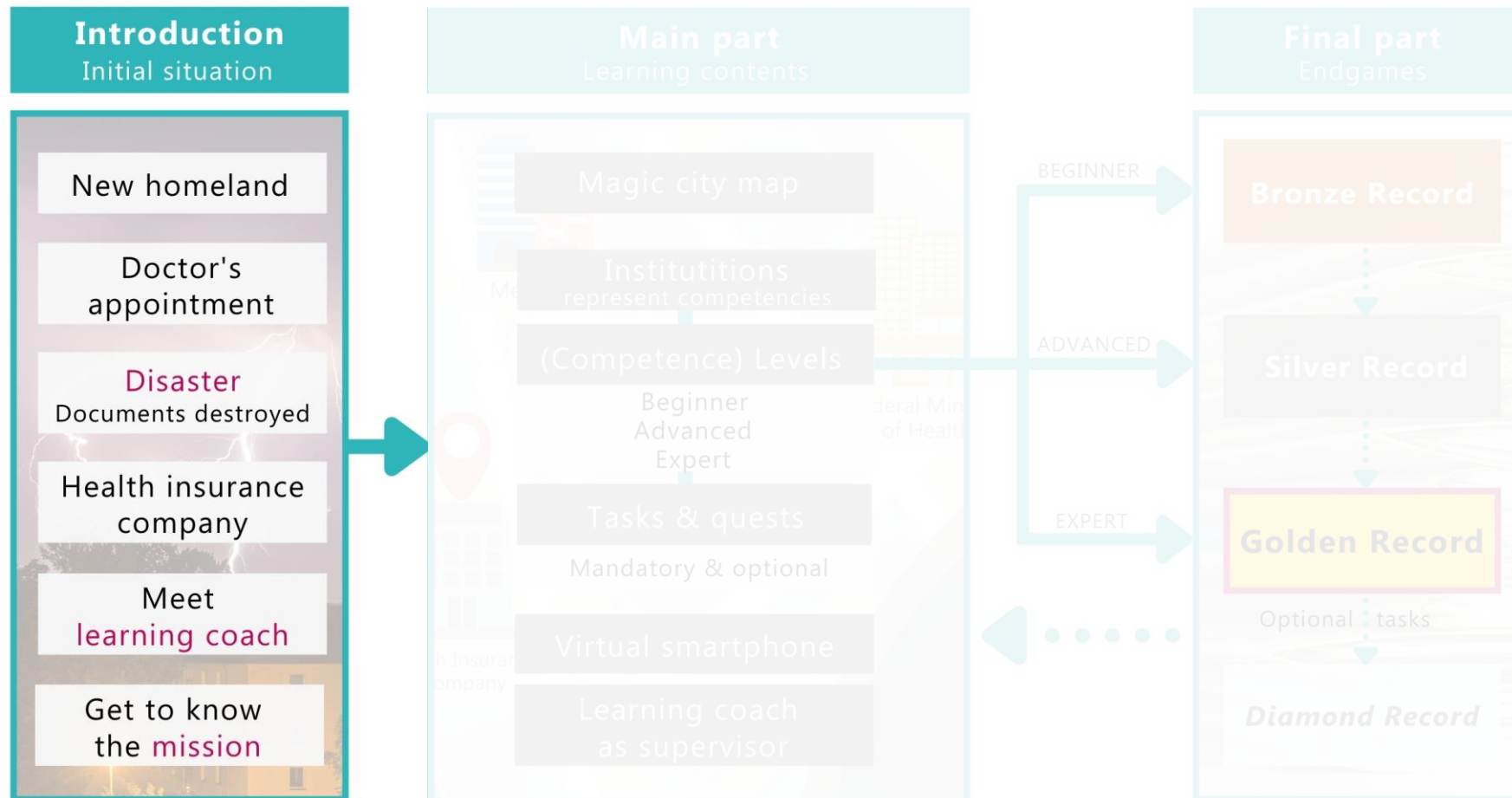
Narrative and learners' journey

FIND & FILL THE GOLDEN RECORD



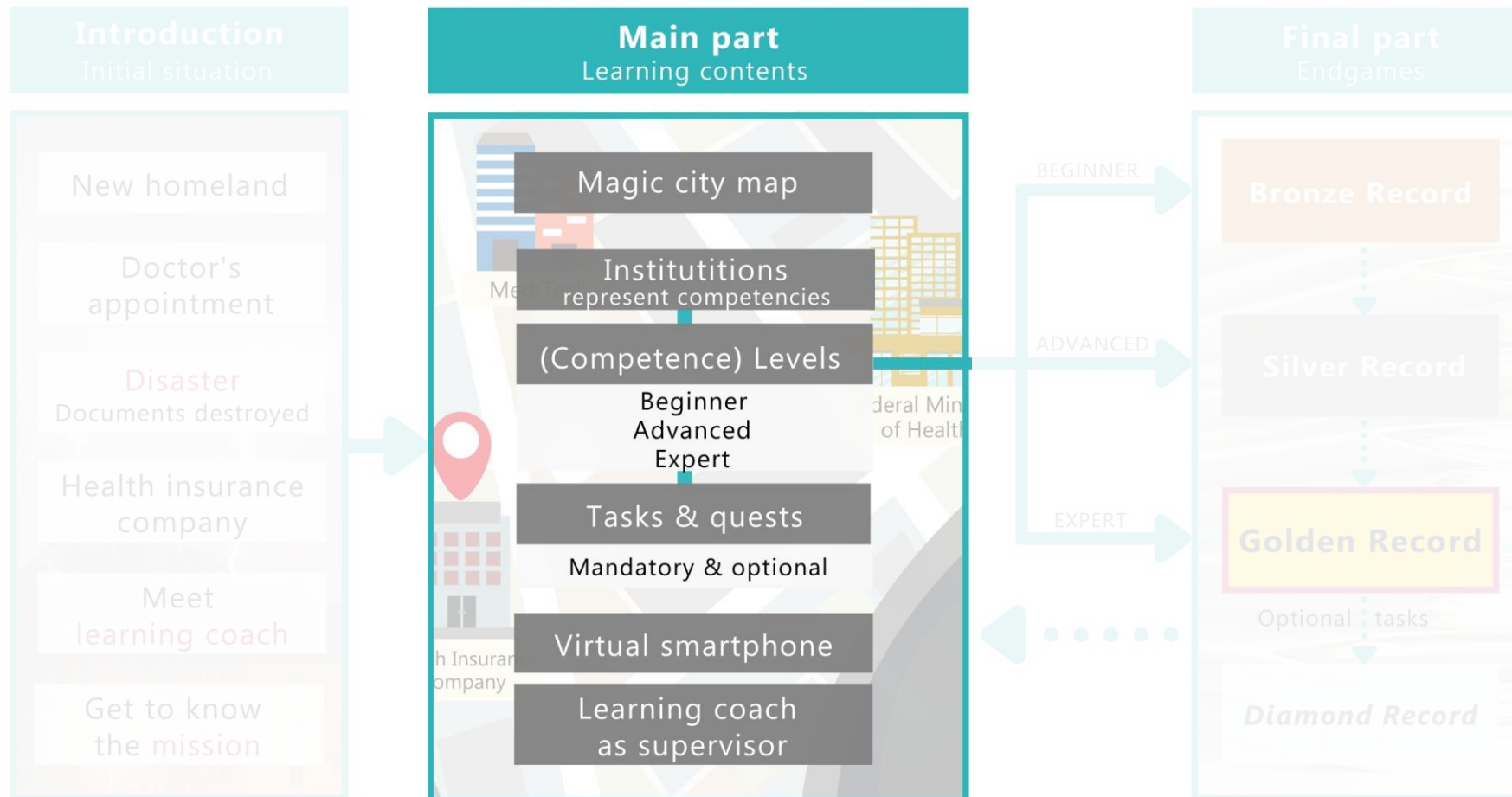
Narrative and learners' journey

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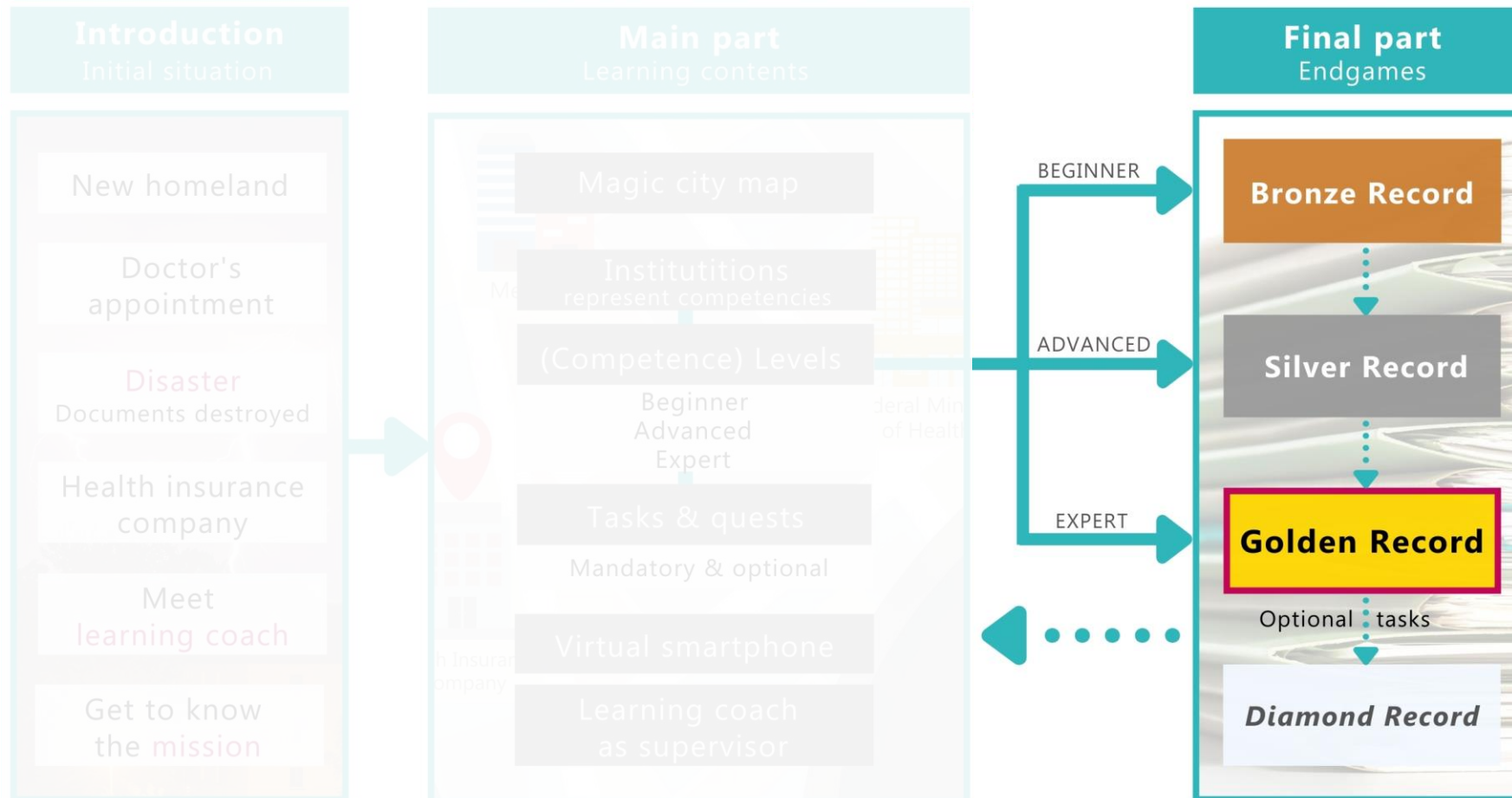
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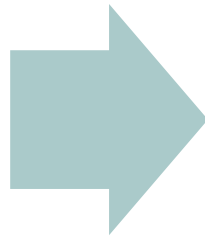
Narrative and learners' journey

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Next steps

Evaluation
with target group



Adaptation and
extension, technical
implementation and
renewed evaluations



Gamified systems for seniors with and without a narrative are still rare and more specified research is necessary for developing and designing gamified (learning) applications for the elderly

Thank you for your attention.
Are there **any questions?**

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This presentation and the associated publication were produced as part of the project ePA-Coach: Digital sovereignty in context of the electronic health record, founded by the Federal Ministry of Education and Research under the program Human-technology interaction for digital sovereignty. For more information please visit: <https://technik-zum-menschen-bringen.de/projekte/epa-coach>