DETAILLs

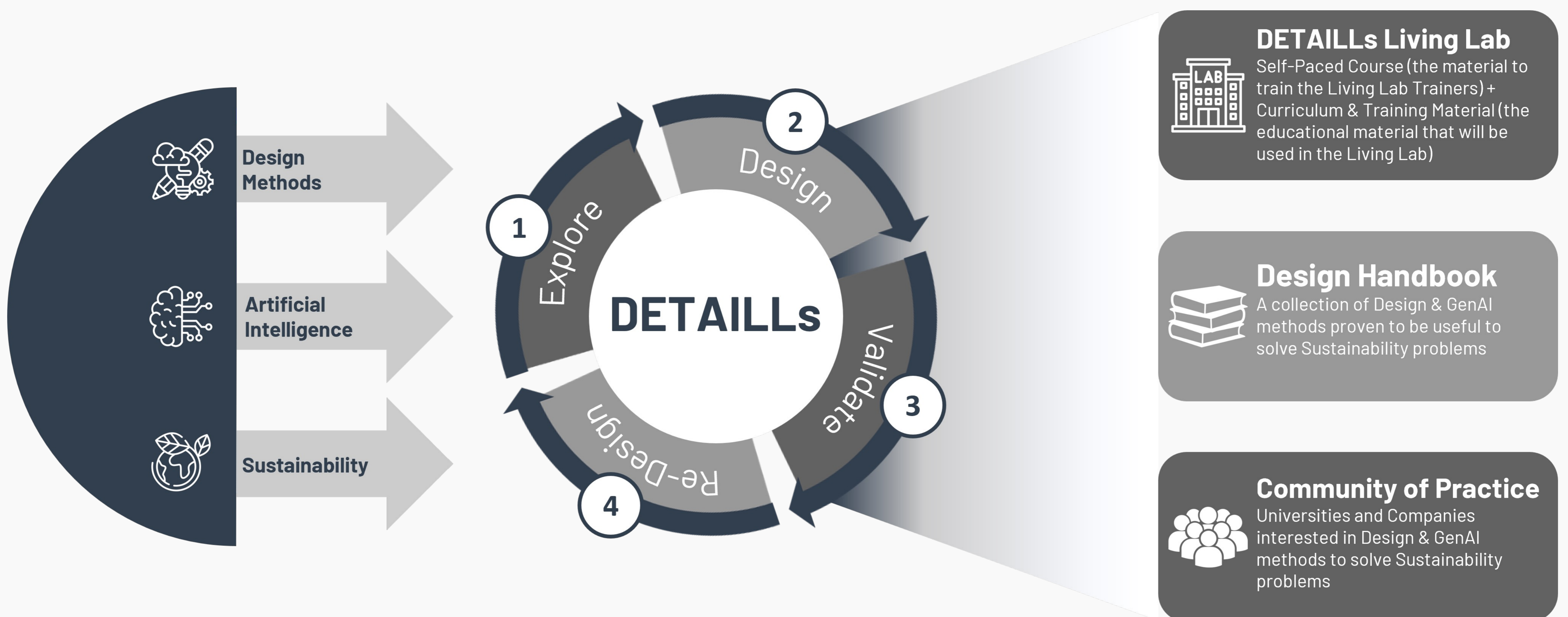## DEsign Tools of Artificial Intelligence in Sustainability Living LabS

Our goal is creating a **Living Lab** to experiment with students and companies on the use **generative AI** to **design sustainable products**

1 - Explore: Gathering GenAI and Sustainability Skills, Courses, and Best Practices. We aim to accumulate a wealth of knowledge and resources related to GenAI and sustainability.

2 - Design: Crafting educational content and defining the characteristics of the Living Labs. With the insights gained during the exploration phase, we move on to the design phase. Here, our focus is on creating educational materials and establishing living labs. These living labs will serve as dynamic learning environments where students and professionals can actively engage with GenAI for designing sustainable products.

3 - Validate: Testing with Students and Companies is crucial to ensure the effectiveness of our approach. We put our designed educational content and living labs to the test by engaging with students and collaborating with companies. Their real-world experiences and insights enable us to fine-tune our offerings and ensure they are practical, relevant, and impactful.

4 - Re-Design: Incorporating feedback and enhancing materials. In the re-design phase, we take feedback from students and companies into account. We work to refine and enhance our educational materials and living labs, ensuring they meet the ever-evolving needs related to genAI and sustainability.

Design Methods → Artificial Intelligence → Sustainability

DETAILLs

1 Explore · 2 Design · 3 Validate · 4 Re-Design

DETAILLs Living Lab
Self-Paced Course (the material to train the Living Lab Trainers) + Curriculum & Training Material (the educational material that will be used in the Living Lab)

Design Handbook
A collection of Design & GenAI methods proven to be useful to solve Sustainability problems

Community of Practice
Universities and Companies interested in Design & GenAI methods to solve Sustainability problems
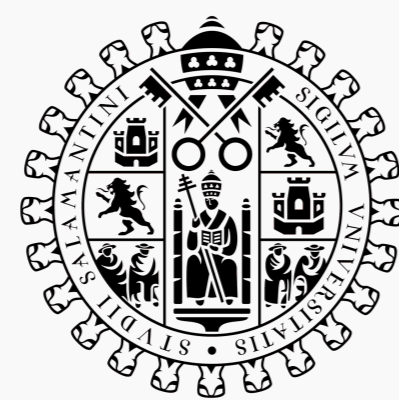
In summary, our approach involves a continuous cycle to create a robust and effective platform to teach students how to use **GenAI to design sustainable products**. This iterative process allows us to continually adapt and improve our materials and practices to stay at the forefront of these **rapidly evolving fields**.

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Filippo Chiarello, Ph.D

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