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# Solutions evaluation in different phases

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# General

There are **two types of evaluations** under this PCP:

1. Evaluation process intended to **rank the Tenderers** in order to award Contracts to the best-ranked Tenders;
2. Evaluation process intended to **assess the outcome** of the work executed in a particular Phase. This evaluation will lead to the decision of payments and regarding the eligibility of a Contractor to bid for the next Phase.

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# Phase 1: Concept Design

- In this Phase the Buyers Group wishes to have a view on how the Tenderers conceptualise the platform. This includes a written **detailed design report** including
  - architecture and technical design of components
  - how the platform will implement the different functional criteria
  - how the platform will implement the innovation
  - how the architecture of the platform will meet the different quality criteria
- The Tenderer will also present a **business plan and business model,** intended to demonstrate the long-term vision for turning the platform prototype into a sustainable and viable product capable of answering the innovation challenge outlined by the Buyers group.

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# Phase 1: Concept Design

- At the end of Phase 1 there will be an **evaluation of the Concept Design**. This evaluation will decide if the Contractor is eligible for payment and/or to enter the next PCP Phase.
- The evaluation of Phase 1 will be a mixed process consisting of a **desk review and online evaluation**.
  - The Evaluation Committee will review the concept document provided by the Contractor.
  - This will be followed by an online evaluation, during which the Contractor will present their solution in a presentation where the concept, its advantages, innovation and business model is highlighted.

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# Phase 2: Prototype

- In Phase 2 the Contractors will build their Concept Design into a working **Prototype** ready for pilot deployment in the next Phase.
- This prototype, including all its components, will be **tested in a lab environment**:
  - functionality
  - interoperability
  - security tests
- A **Demonstrator** needs to be available for testing purposes with a few potential users or dummy data
- **Not a living lab test**: this is for Phase 3

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# Phase 2: Prototype

- Prototype Development and testing outcomes will be **monitored** by the Buyers Group who will provide feedback to the Contractors as part of the monitoring process.
- **End of Phase Report** shall be a written documentation of the prototype including
  - development details
  - operational procedures
  - report explaining the output and feedback from the monitoring briefings by the buyers group.
- The evaluation will decide if the Contractor is eligible for payment and/or to enter the next PCP Phase.

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# Phase 3: Living Lab pilots

- The goal of the living lab tests is to **validate the Prototypes** in a real-life setting and provide the Buyers Group with **detailed insight** into the relevance, feasibility and applicability of the solutions in their cities.
- There are three main components that constitute a successful Living Lab test:
  a. The proposed solution should be **validated in a real-life setting**;
  b. **Simultaneous and iterative testing** in three cities needs to be demonstrated;
  c. The solution should be **validated with local stakeholders** for the different use cases in each city.

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# Phase 3: Living Lab pilots

The Living Labs approach requires Contractors to:

- Ensure their solution can be **applied in different cities**
- Show their solution is generic enough to support **divergent use cases**
- Demonstrate their solution **can scale** across Europe
- Prove they can **manage real-life operations** on this scale.

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# Phase 3: Living Lab pilots

- To test the solution in a Living Lab environment, **three obligatory use cases are foreseen**, one in each city, to be tested at the same time and in parallel:
  a. **Antwerp**: Managing city traffic congestion with mobility Real Time Information (RTI);
  b. **Helsinki**: City IoE service provisioning to diabetes patients in Smart Homes;
  c. **Copenhagen**: Integrating real-time IoT city sensor networks in the areas of air quality, noise and mobility.
- **Support** will be provided by the Buyers Group:
  a. Common Living Lab **methods**
  b. Operational **expertise**
  c. **Access** to stakeholders and operational **clearance**
- But: **Contractors are responsible for running the pilots**

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# Questions?