CircularPSP Pitch Deck

Last update: 14.07.2023
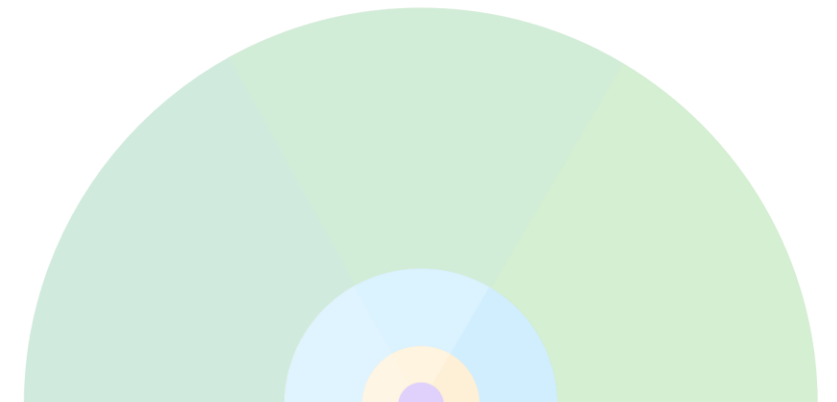
CIRCULAR PSP C

Contents / Agenda

Overview

General consortium's structure and core activities

Project

Leading Circular Cities are tackling a common challenge together

CIRCULAR SPPC

Istanbul, Turkey	**Guimarães,** Portugal
CircularBerlin, Germany	**City Network** Sweden
Helsinki, Finland	**City Network** Slovenia
Sandyford, Ireland	**ReLondon,** UK[1]

Follower cities: Amsterdam, Bonn, more to follow

8 Procurers – 8 Countries
55 million citizens

Representing Europe's leading circular cities and regions

Common challenge: accelerate transition towards a Circular Economy (CE)

€5.64 million investment in R&D

PCP Supported by RISE, TAGES AND EMPIRICA

[1] Associated Partner involved in all activities

Project Overview

CORE FACTS

Project

▶ CircularPSP

▶ Public Service Platforms for Circular, Innovative and Resilient Municipalities through PCP

▶ Duration: Jan ´23 – March ´26

Procurement

▶ Type: Pre-commercial procurement (i.e. innovation procurement as tender)

▶ Budget for PCP: €5,640,000

▶ Open Market Consultation: April-July 2023

▶ Tender (expected): November 2023

CONSORTIUM

Procurers

Supported by
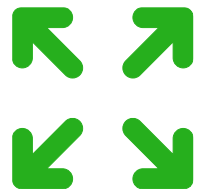

Associated and Preferred Partner

2. CircularPSP Aim & Scope

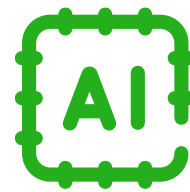Main needs and components of the CircularPSP project.

The problems of transition to CE

Cities – or rather the few people who are involved with CE – are facing a complex problem
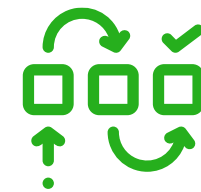
No capacity for CE transition in own; thousands of cities and business

organisation

Access + Analysis of EU-wide case studies for local use/data

information

Making CE actionable on city level and for all staff
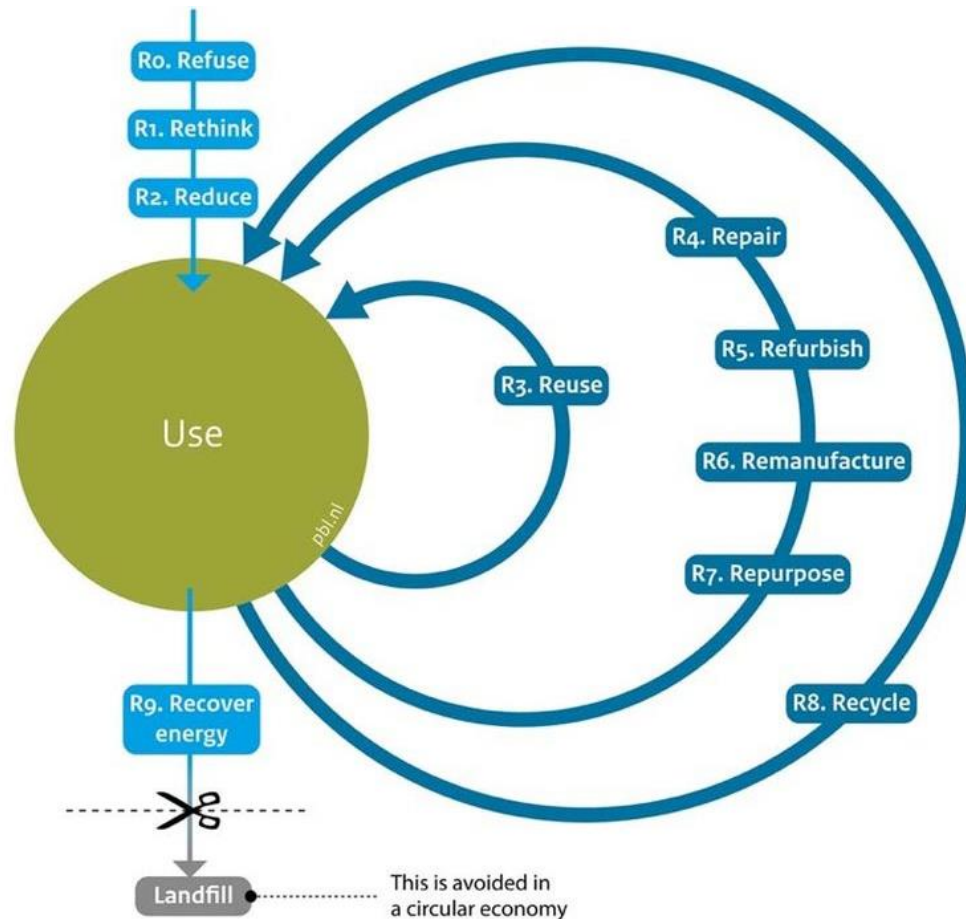
operation

IDEA **A platform underpinned by AI using taxonomies and NLP to support cities, civil servants and local business**
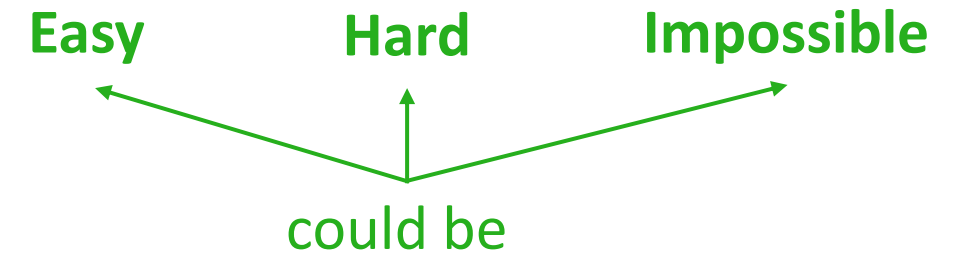
Circular Economy

Through circularity we want to utilise as <u>few</u> items as <u>long</u> as possible … to stay within a loop or "fall" as few loops as possible

THE SHORTER THE PATH THE BETTER = CLOSER TO ORIGINAL PURPOSE

Ro. Refuse
R1. Rethink
R2. Reduce
R4. Repair
R5. Refurbish
R3. Reuse
Use
R6. Remanufacture
R7. Repurpose
R8. Recycle
R9. Recover energy
Landfill ········· This is avoided in a circular economy

HOWEVER…IT IS COMPLICATED

Easy   **Hard**   **Impossible**

could be

this depends on

Value chain / Case   **City strategy**

User commitment   **City data**

User expertise   **Local companies**

MINDSHIFT | **I could procure less or use "services"**

MINDSHIFT | **I need to consider more. Who helps me?**
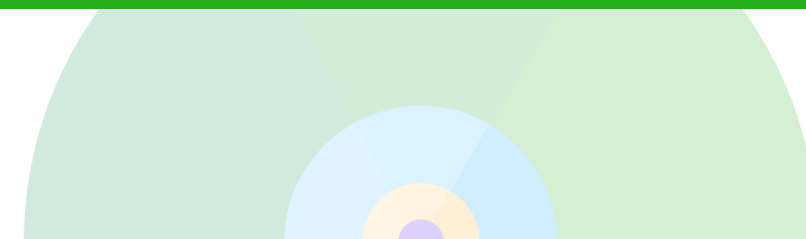
CircularPSP needs

CIrcularPSP defined the common challenge along four shared "needs"

ICT tools to improve organisational and operational performance

Data analytics using taxonomies to exploit and exchange CE information and data
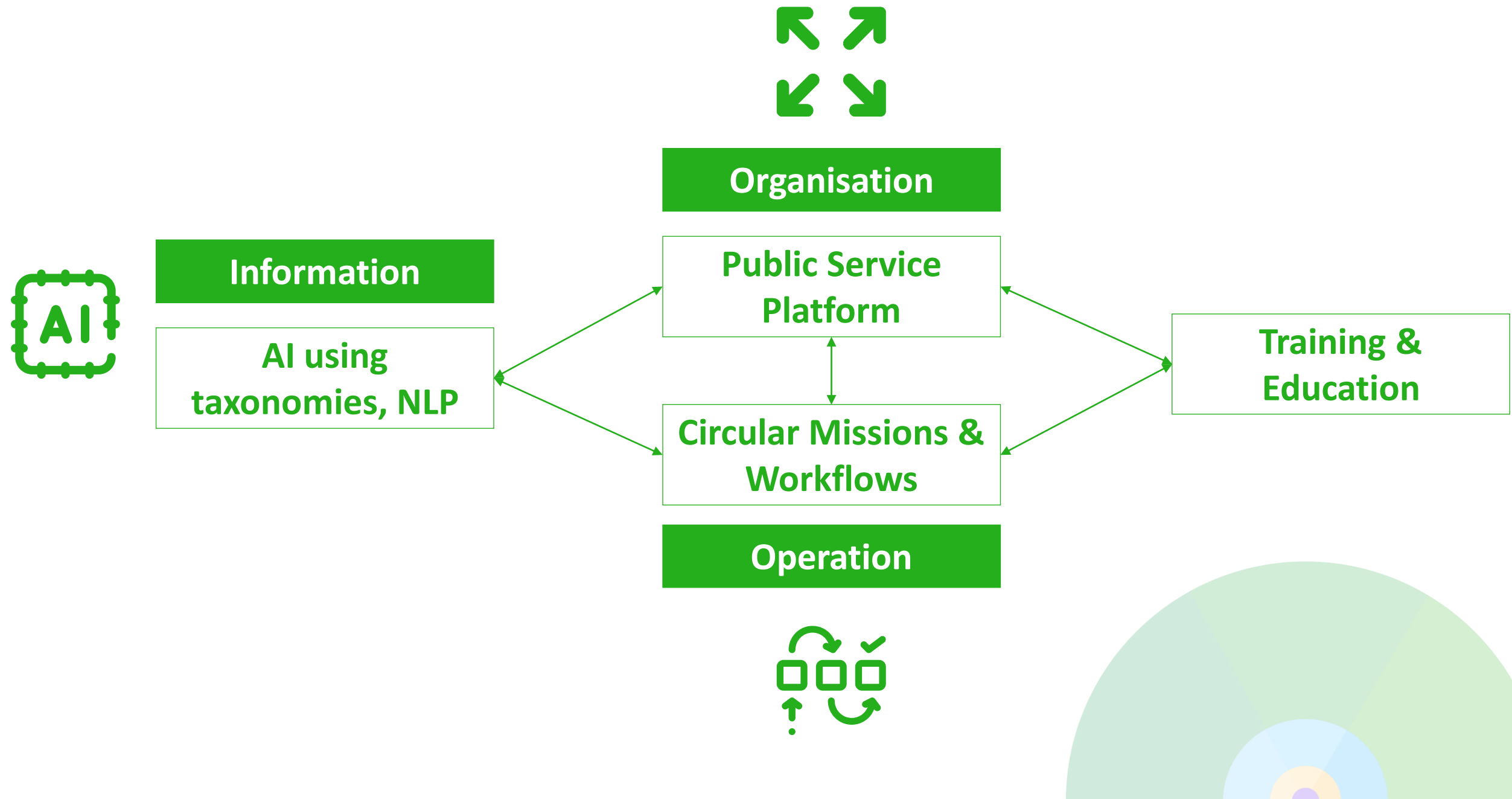
Remove language barrier and unlock EU-wide knowledge and learnings

Induce and accelerate circular and digital change

Desired Innovations
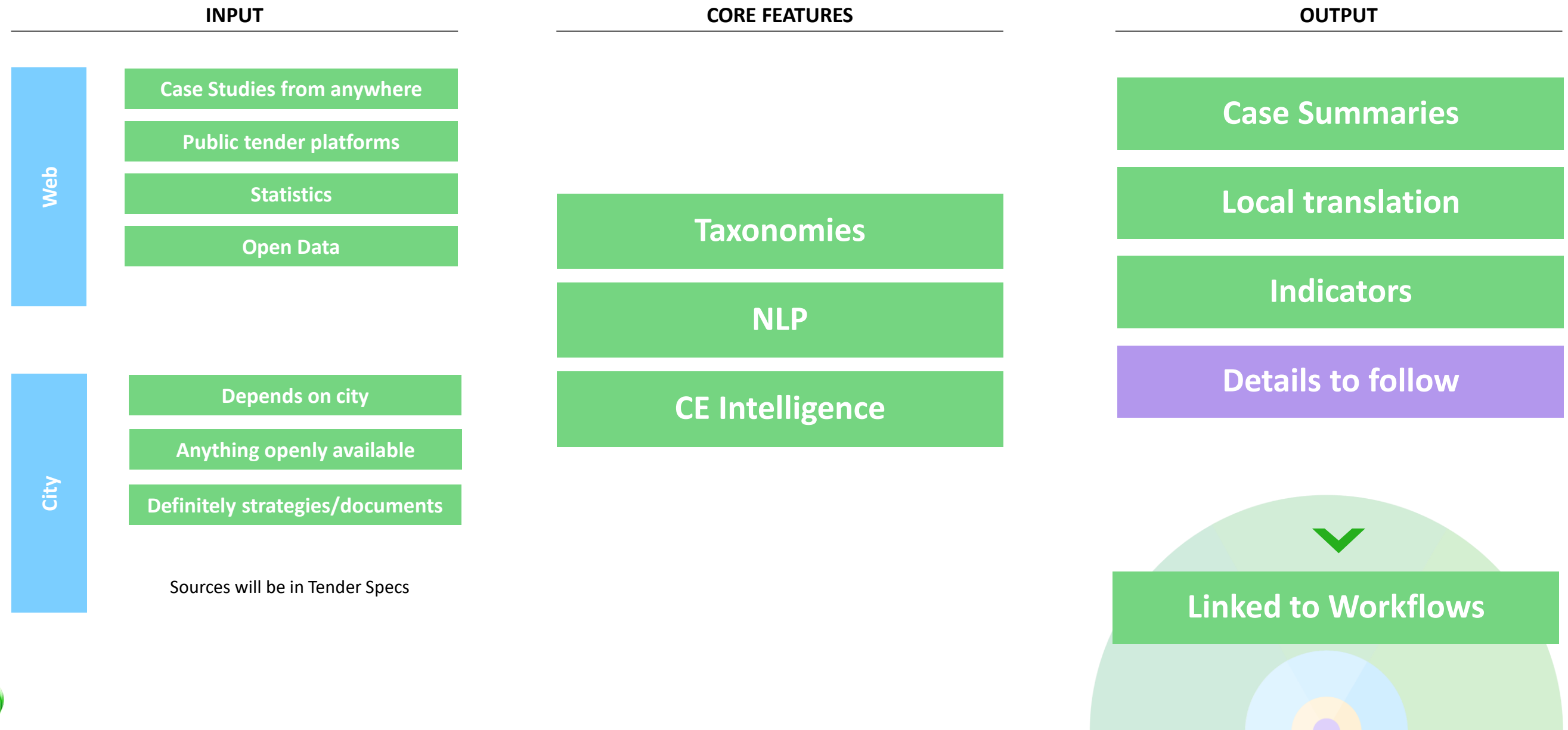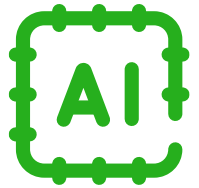
Each problem area requires digital innovation and CE expertise

Organisation

Information

AI using taxonomies, NLP

Public Service Platform

Circular Missions & Workflows

Training & Education

Operation

Information: Data Analytics

Data Analytics is to make sense of existing data and make it highly accessible to all users

INPUT	CORE FEATURES	OUTPUT

Web

- Case Studies from anywhere
- Public tender platforms
- Statistics
- Open Data

City

- Depends on city
- Anything openly available
- Definitely strategies/documents

Sources will be in Tender Specs

CORE FEATURES

- Taxonomies
- NLP
- CE Intelligence

OUTPUT

- Case Summaries
- Local translation
- Indicators
- Details to follow

Linked to Workflows

Organisation: Public Service Platform

A platform is to provide access to data, insights on CE missions and the workflows
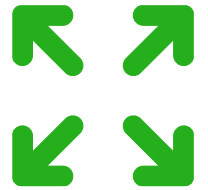
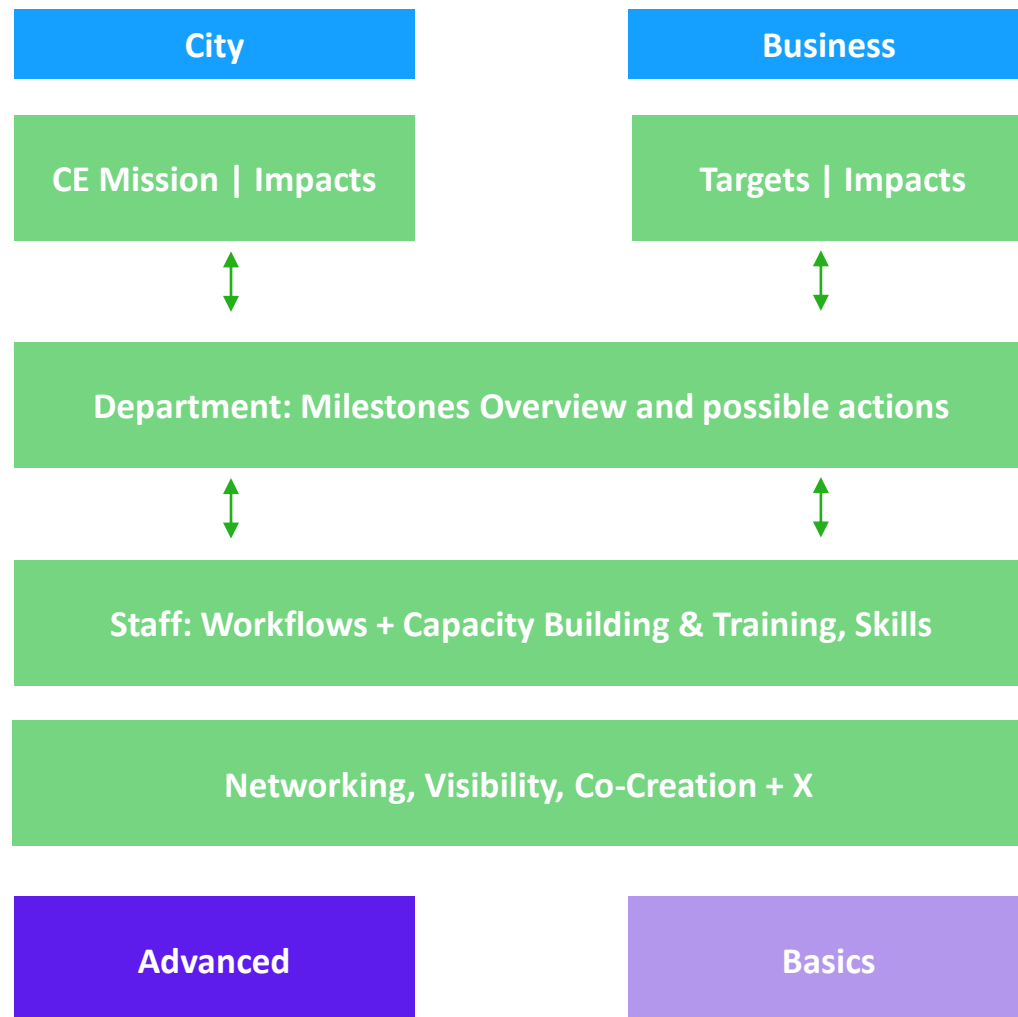**STRUCTURE OF INTERFACE (EXEMPLARY)**

City	Business
CE Mission | Impacts	Targets | Impacts

Department: Milestones Overview and possible actions

Staff: Workflows + Capacity Building & Training, Skills

Networking, Visibility, Co-Creation + X

Advanced	Basics

TECHNICAL REQUIREMENTS

▶ Details to follow

Scalable

Run in cloud or on city server (TBD)

Modular (i.e. payable plugins possible)
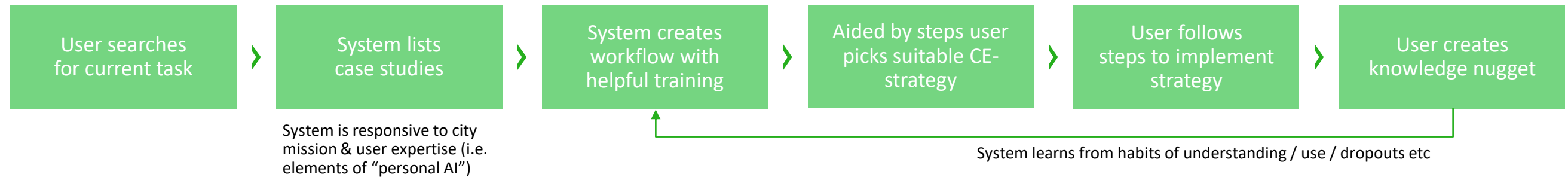
Interoperability

Multi-language support

Operation: Workflow (day-to-day) following CE Mission (long-term)

The CE Mission gives focus and Workflows enable all users to act circular

WORFKFLOW (I.E. PROCESS)

User searches for current task	System lists case studies	System creates workflow with helpful training	Aided by steps user picks suitable CE-strategy	User follows steps to implement strategy	User creates knowledge nugget

System is responsive to city mission & user expertise (i.e. elements of "personal AI")

System learns from habits of understanding / use / dropouts etc

WORFKFLOW - REQUIREMENTS

Clear structure	**Status must be clear**	**Solve barriers**

Approach: up to you (e.g. flow, chat, lists)

Users are regular municipal staff … best have some expertise on user group

CircularPSP is technology neutral

Our focus is to describe the actual problem – you need to come up with technical and practical solutions

**Buyers Group defines
(very complex) problem
and award criteria**

*Most likely: We will
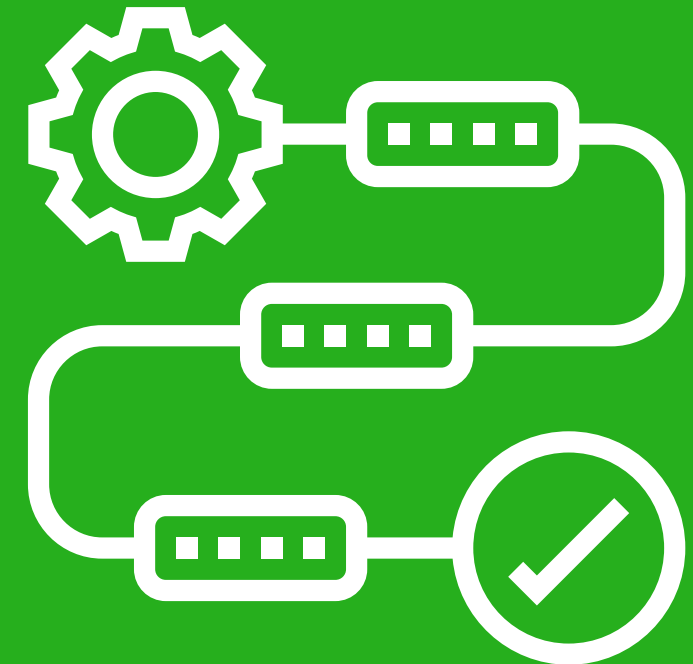phrase design principles +
specific requirements*

**Suppliers
define the
solution**

**…any constellation of technologies is thinkable if it fulfils
design principles and requirements etc. …**
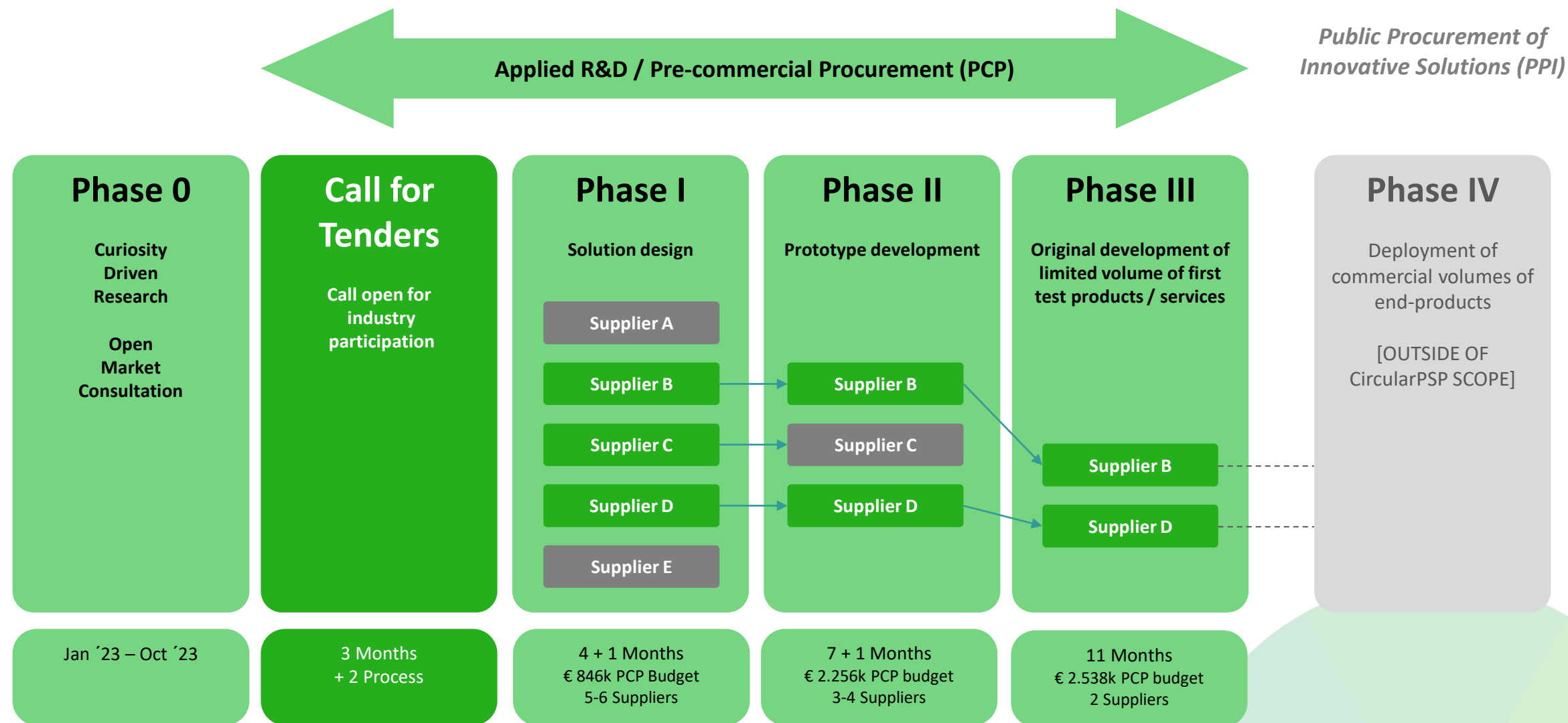
PCP Process

PCPs create incentives in domains where mature solutions are missing and reduce risks for both procurers and suppliers to innovate

PCP Structure

PCPs follow a multi-staged process to select the most suitable and promising innovation; R&D services are funded at all stages

Open Market consultation (OMC) scope

Each procurer organised one OMC event with national focus; the materials are available online

OMC IN A NUTSHELL

▶ Open Market Consultations consist of a series of meetings to provide procurers a chance to reach out to market stakeholders and explain the CircularPSP challenge. OMCs also serve to start a discussion to validate their specifications (requirements) and gather innovative ideas to be reflected in the call for tender documents.

▶ The OMCs run between May 09th until June 30th and each procurer hosted an event and invited potential suppliers to present the scope of the OMC.

▶ The events were recorded to allow sharing afterwards.

▶ Language: local and/or English.

LINKS TO RECORDINGS :

Reference (ALL EN): International (22 June): https://circularpsp.eu/event/omc-information-meeting-international

Berlin (09 May): https://circularpsp.eu/event/berlin

Slovenia (18 May): https://circularpsp.eu/event/omc-information-meeting-slovenia

Istanbul (07 June): https://circularpsp.eu/event/omc-information-meeting-istanbul

Guimaraes (12 June): https://circularpsp.eu/event/omc-information-meeting-guimaraes

London (19 June): https://circularpsp.eu/event/open-market-consultation-london

Helsinki (20 June): https://circularpsp.eu/event/omc-information-meeting-helsinki

Sandyford (21 June): https://circularpsp.eu/event/omc-information-meeting-sandyford

Sweden (29 June): https://circularpsp.eu/event/omc-information-meeting-sweden

The Request for Tender is expected for November 2023

CircularPSP Timeline

PREPARATION AND TENDER

Research & OMC (Jan. – Oct. '23)

OMC Events (May-June '23)

Matchmaking Platform + Networking (Sep + Oct)

Procurer Survey

Preferred Partner Interaction (Sep with ICLEI)

Tender Open (Nov. '23 – Jan. '24)

Tender Launch + Training Events (est. November)

Q&A anytime (FAQ already online)

SELECTION AND PCP PROJECTS

Tender evaluation	**Feb. '24 – Mar. '24**
Phase I	**Apr. '24 – Aug. '24**
Phase II	**Sep. '24 – Apr. '25**
Phase III	**May. '25 – Mar. '26**

[1] Two months for evaluation

Suppliers are invited to create a consortium

Search of partners is supported with the Matchmaking Platform

MATCHMAKING

▶ Become visible among other suppliers looking for partners

▶ Steps, describe:
- What you are looking for
- What you are offering
- Some basics + contact information

▶ Completing the form takes only ~5 minutes

▶ We encourage companies that cannot cover the whole CircularPSP solution to team up with other companies and apply together with international partners in a joint tender (consortium).

We will organise match-making events in September / October

PLATFORM

▶ Location: https://circularpsp.eu/matchmaking/

PCP Tendering Introduction
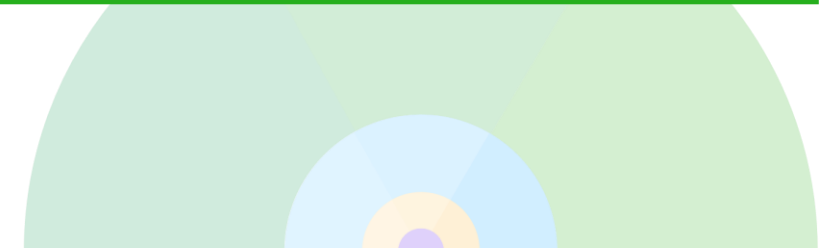
Funding principles

A PCP is a tender, not a grant

Financial offers are requested for each phase (up to the ceiling)

The offer has to include all costs (including tax if applicable)

The payment is made based on offered price …

… after receipt of invoice and approval of work

PCP Tendering | Core requirements for Suppliers

All core requirements are derived from the EU directive on competition

ELIGIBILITY CRITERIA

▸ Tender is open to all **types of operators** (companies or other type of legal entities) regardless of their size or governance structure

▸ Both **single entity** or **joint tender offers** (consortia) are possible

▸ The call will be open to all participants, as long as **a minimum of 50% of the project R&D activities**/budget takes place **in the EU or Associated countries**

▸ Participation in the open market consultation is not a condition for submitting a tender

GENERAL REQUIREMENTS

Electronic Submission via e-mail

3 months for submission starting Nov 2023 (To be confirmed)

Official language is English

IPR sharing, if suppliers do not exploit results

Contract award | Project

For each of the three phases the same rules on contract, monitoring, payments and IPR apply

One Lead Procurer	All contracts, invoices and payments go through the lead procurer who acts on behalf of all procurers
Contracting	Framework agreement with **specific contracts in each phase**
Monitoring	During each phase, contract implementation is **monitored periodically** and reviewed **against the expected outcomes**
Completion criteria	**Satisfactory completion** of milestones and deliverables: requirement for payment --- **Successful completion** permits entering next Phase
Intellectual property rights	Suppliers **keep ownership of the IPRs** attached to the results generated during the PCP implementation, but must exploit

Background on PCP and PPI Instruments

Pre-Commercial Procurement vs. Traditional Public Procurement

Pre-Commercial-Procurements (PCP) create a new, competitive market for Research and Development (R&D) services and development

PRE-COMMERCIAL PROCUREMENT	TRADITIONAL PROCUREMENT
Joint Procurement (Buyers Group)	**Individual Procurement** (single department)
High degree of innovation / R&D effort required	**Low degree** of solutions' innovation
Prototype development: medium-/long-term	**Mature product/service:** immediate/short-term
Competitive development: several suppliers	**Single contract:** one supplier
New IPR – Risk/Benefit-sharing	Often based on existing **IPR**
Special legal framework in H2020/WTO	**National public procurement** rules apply
Development in multiple phases	**Development in one phase**

What is a Pre-Commercial Procurement (PCP)?

Core features

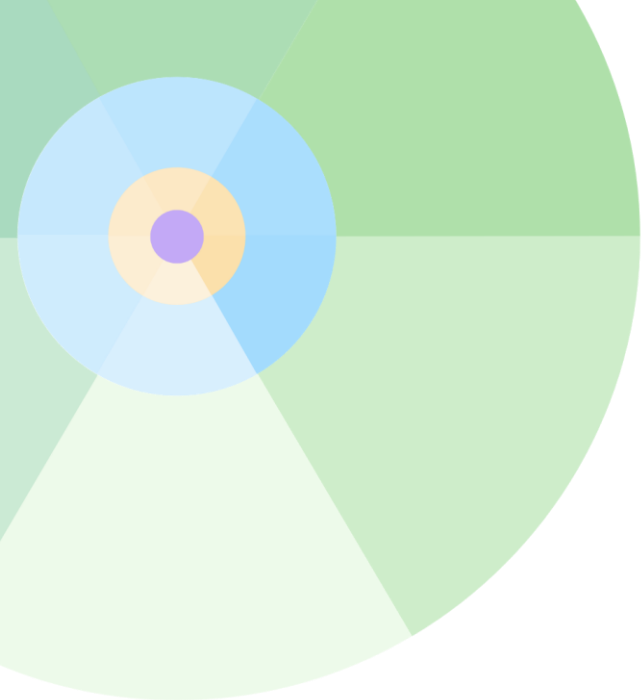| WHAT IS A PRE-COMMERCIAL PROCUREMENT (PCP)?		WHAT ARE THE BENEFITS FOR SUPPLIERS
Instrument for public procurement of R&D services		**Create opportunities for companies** to gain leadership in new markets
Public procurers act as demanding customers		**Provides a large enough demand** to incentivise industry to invest in wide commercialisation
Tool for innovation (EC sees the need but no offer on market)		**Development in stages** and testing of innovative ideas under **real world conditions**
Risk-benefit sharing under market conditions		Suppliers retain **IPR ownership,** procurers gains access under limited conditions
Interact closely with six procurers operating 21,000 buildings		**Visibility on EU-Level**

Further information on PCPs

PCP references (selection)

▶ Modalities and Horizon Annexes: https://ec.europa.eu/digital-single-market/en/node/69634

▶ Official EC PCP FAQ: https://ec.europa.eu/newsroom/dae/document.cfm?doc_id=16995

▶ PCP Project list: https://ec.europa.eu/digital-single-market/en/eu-funded-projects-implementing-pre-commercial-procurements-pcp-or-public-procurement-innovative

▶ Legal Basis for PCPs:
  ▪ Communication https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52007DC0799
  ▪ Directive 2014/24 https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32014L0024

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