

# **The Design Platform and the Platform Coordination Team**

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A decorative graphic on the right side of the slide. It features a vertical column of blue cubes with white outlines, some of which are slightly offset to create a 3D effect. The background is a deep blue with a subtle circuit pattern and several yellow five-pointed stars of varying sizes, reminiscent of the European Union flag.

**No  
Digital  
without  
chips**

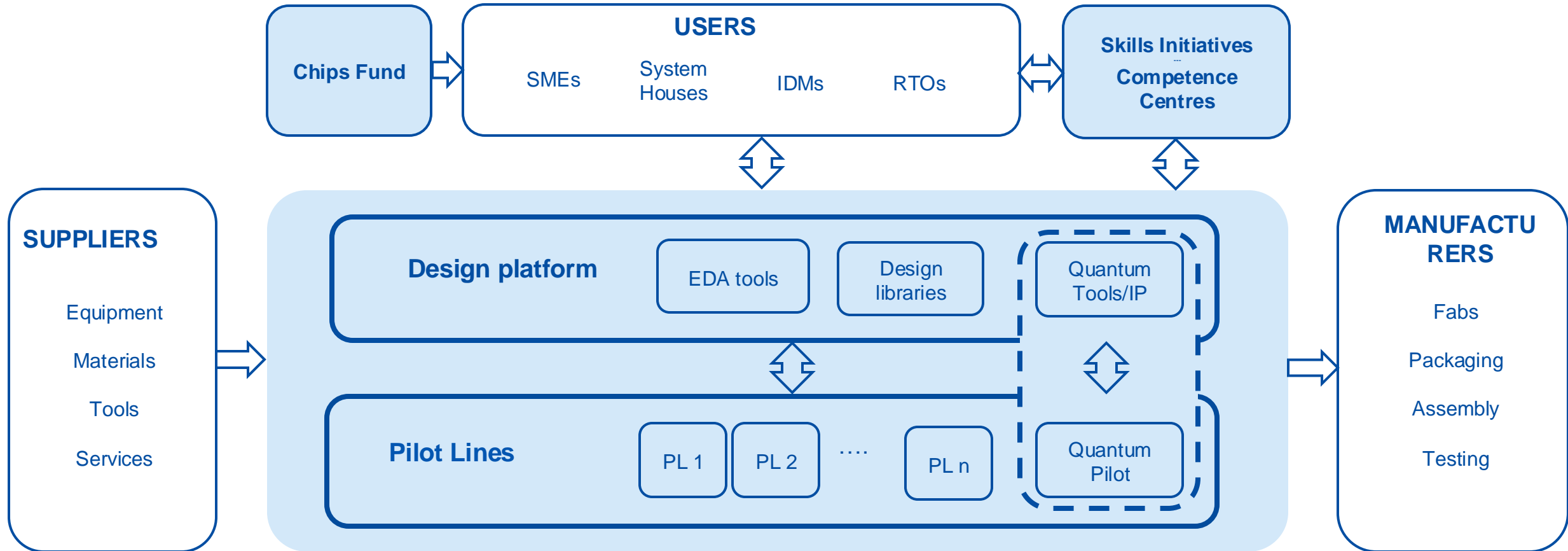


# 1 ■ Design Platform

General Overview

# Positioning of the Design Platform

► As part of Pillar 1 of the EU Chips Act



# Design Platform

## ► Objectives set by the EC

- *Lower the barriers* for IC design (in particular for advanced technologies)
- *Foster collaboration* among EU stakeholders
- Support the *development of IC design skills* by offering training and support services through a network of competence centers
- Integrate *access to pilot lines* and fabs for early prototyping
- Leverage and *build upon existing platforms* or initiatives.

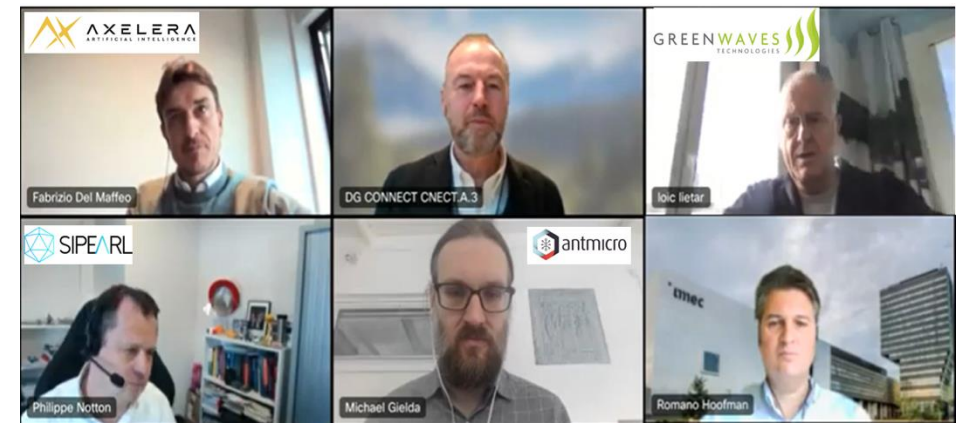
Develop a cloud-based design infrastructure where design tools, kits and flows, IP libraries and support services are easily accessible

# Design Platform

► Need for startups and SMEs

- Easy access to design tools, IP and technologies (ideally as a “One-Stop-Shop”)
- Easy install and maintenance of design flows (incl. multivendor flows)
- Availability of people with the right skills
- Easy access to capital

Lower the risk, lower time-to-market and maximize their success rate

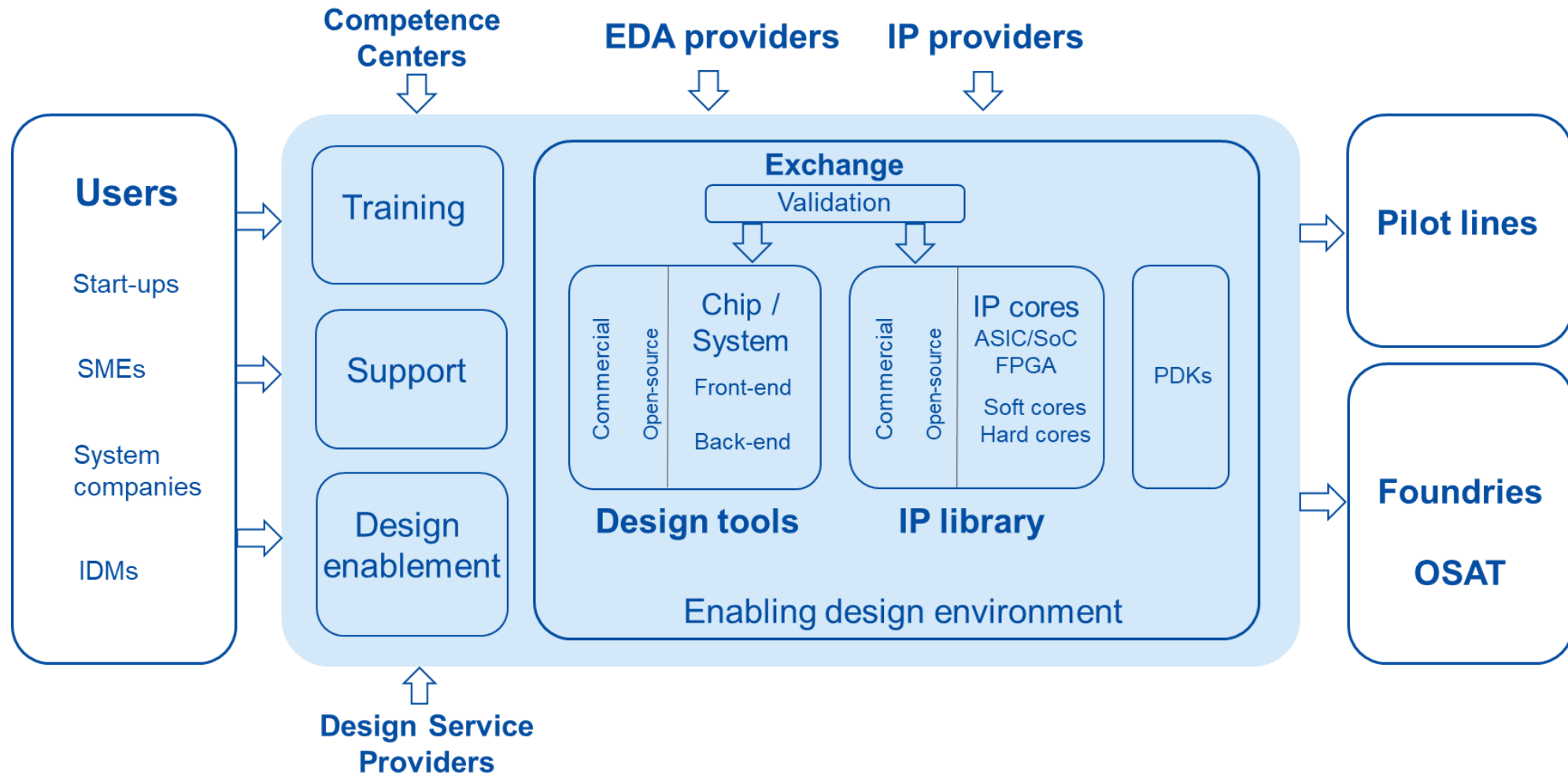


European Chips Act workshop on Design Platform for SMEs

22 November 2022

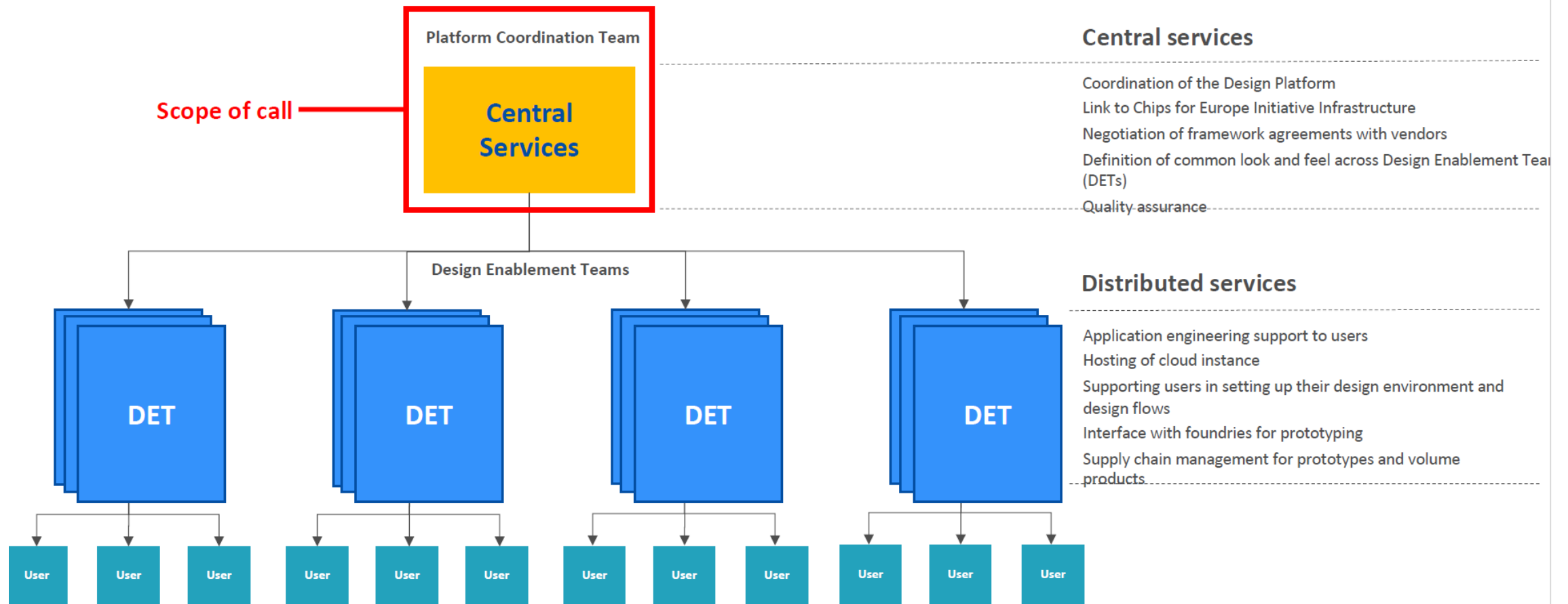
# Design Platform

## ► Concept



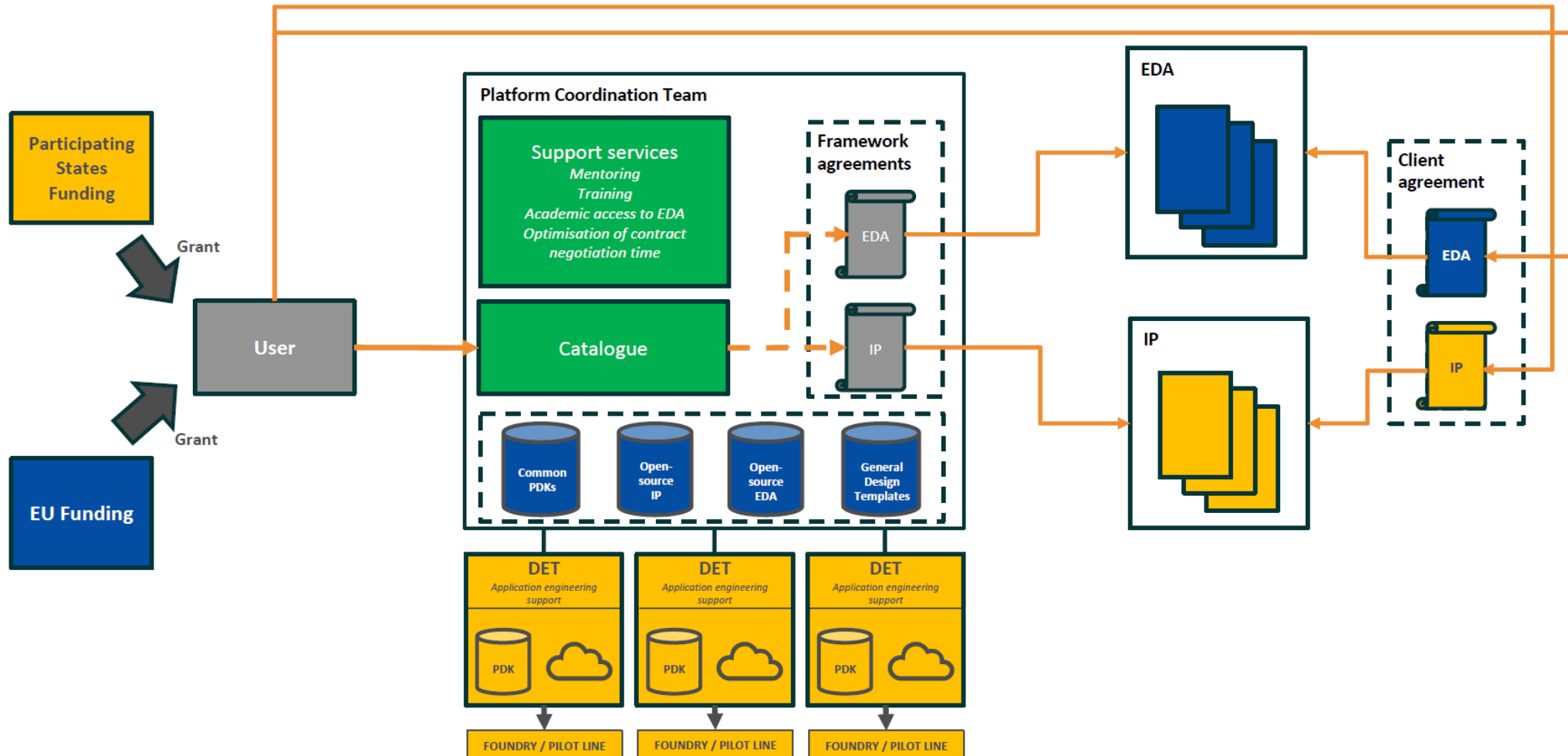
# Design Platform

## ► High-Level Overview



# Design Platform

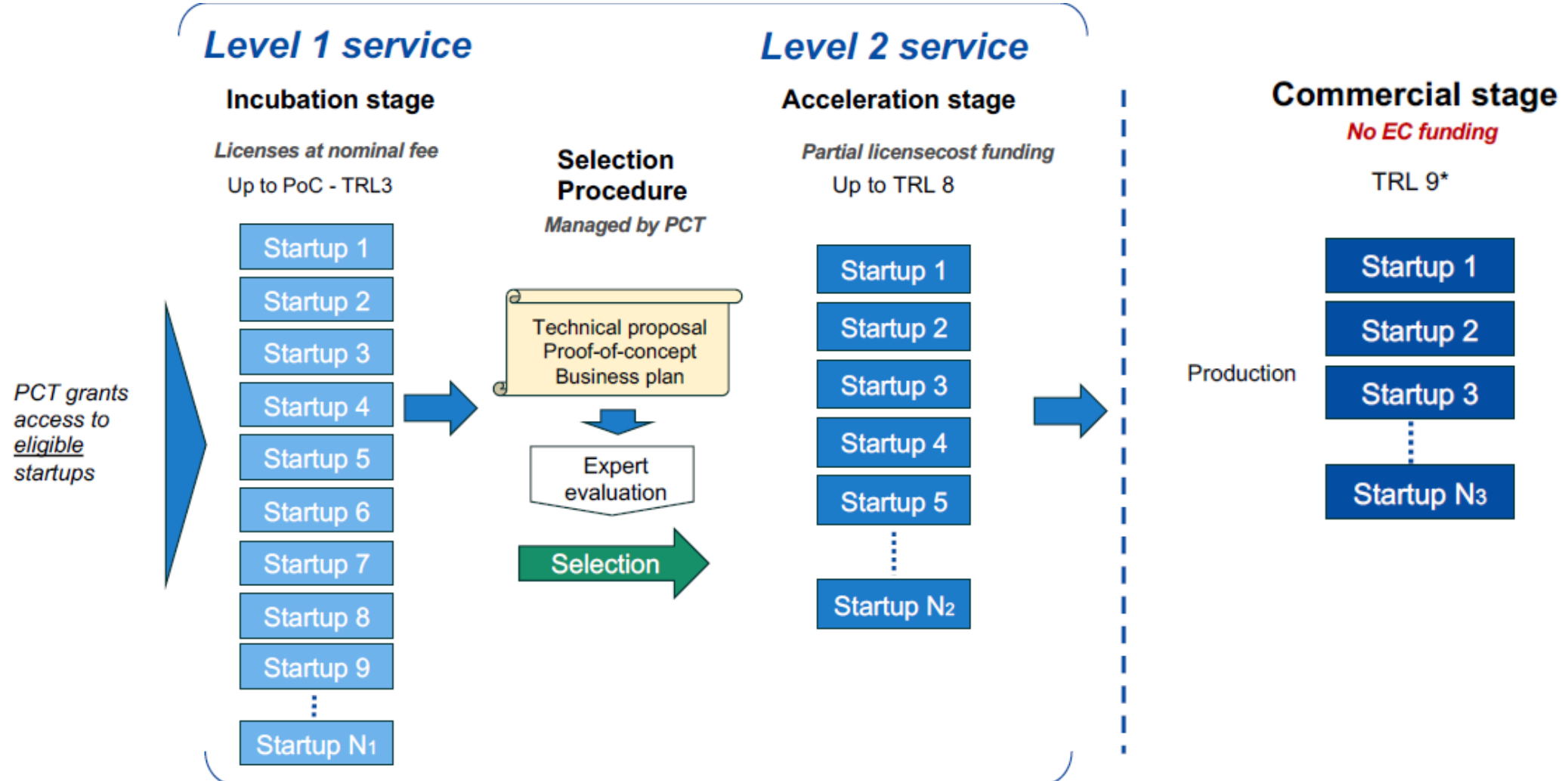
## ► Conceptual Architecture





# Design Platform

## ► User Funnel



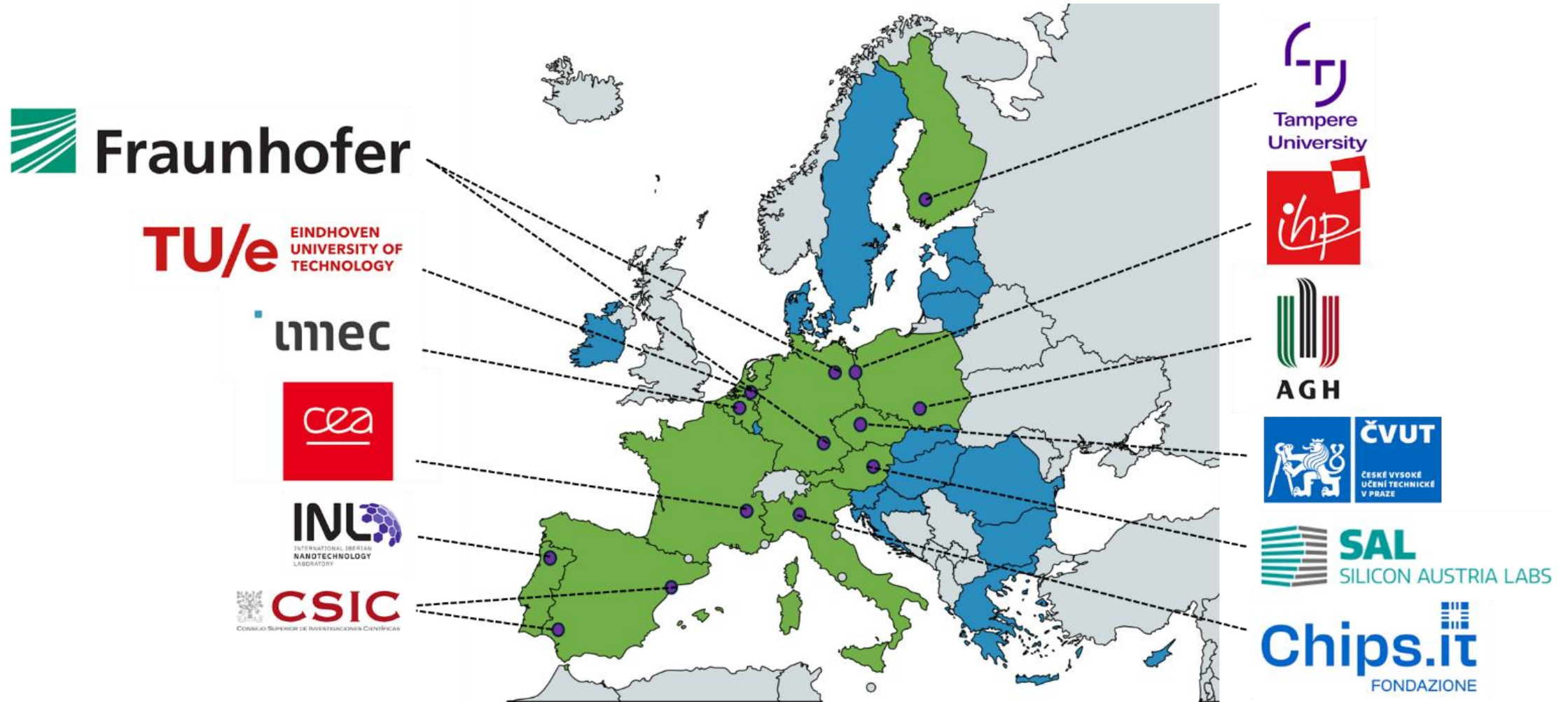
# 2. PCT



Introduction to the Platform Coordination Team

# Platform Coordination Team

## ► The Consortium



# Platform Coordination Team



## ► Objectives

1. Establish **low-barrier access for startups and SMEs to EDA tools and IP**, by providing a user-centric service framework, ensuring efficient and equitable access across Europe.
2. Develop and implement a robust framework for selecting and integrating **Design Enablement Teams (DETs)** within the Design Platform.
3. Setting up and maintaining a **central Cloud Service**. Oversee specification and requirements for procuring and integrating key components of the Design Platform, such as design IP and open-source sandbox environments.
4. Select and integrate **open-source EDA tools and services** within the Design Platform, fostering innovation and lowering the cost entry barrier to chip design.
5. Develop and maintain a **comprehensive training and user support** ecosystem within the Design Platform to empower users

# Platform Coordination Team

## ► Objectives



6. Implement a **continuous Quality of Services (QoS) monitoring and improvement** framework to ensure high standards of performance and user satisfaction.
7. Develop and implement sustainable business models and governance structures to ensure the **long-term viability of the Design Platform**.
8. Establish and nurture **strategic synergies with EU initiatives and international semiconductor programs** to enhance the Design Platform's effectiveness and reach.
9. Enhance the visibility and impact of the Design Platform through **strategic dissemination and communication activities**.

# Platform Coordination Team

## ► The Concept

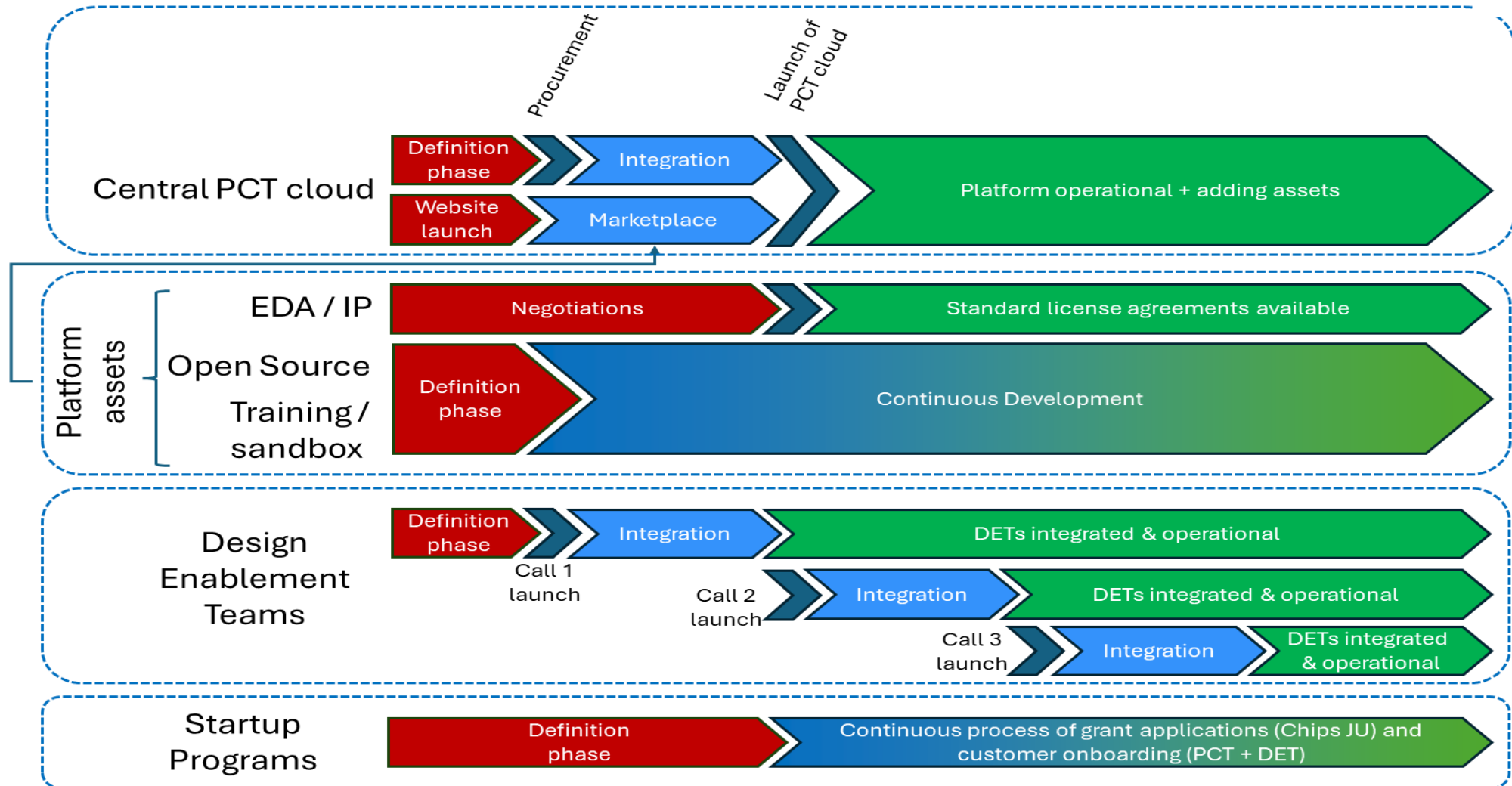


- Pillar 1: **Central cloud** to manage services helping fabless companies to innovate and grow.
- Pillar 2: **Training program** to enhance fabless company skills.
- Pillar 3: A distributed network of heterogeneous **Design Enablement Teams** to provide design and manufacturing services tailored to individual company needs.
- Pillar 4: **Procurement of commercial EDA tools and IPs** through pre-defined licensing agreements to significantly reduce the time required for fabless companies to get access.
- Pillar 5: **Levels of support** to guide fabless companies throughout their journey.



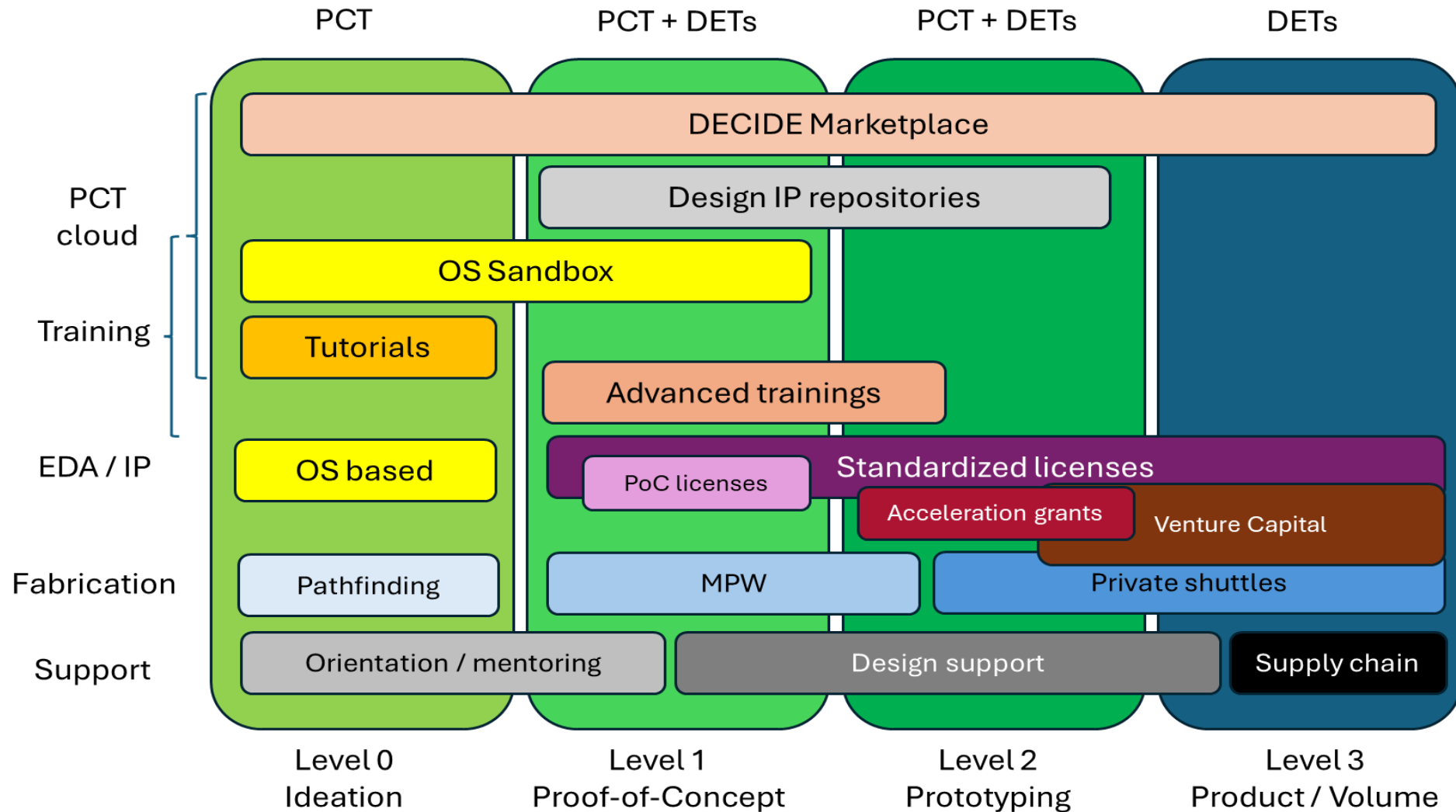
# Platform Coordination Team

## ► Implementation Phases



# Platform Coordination Team

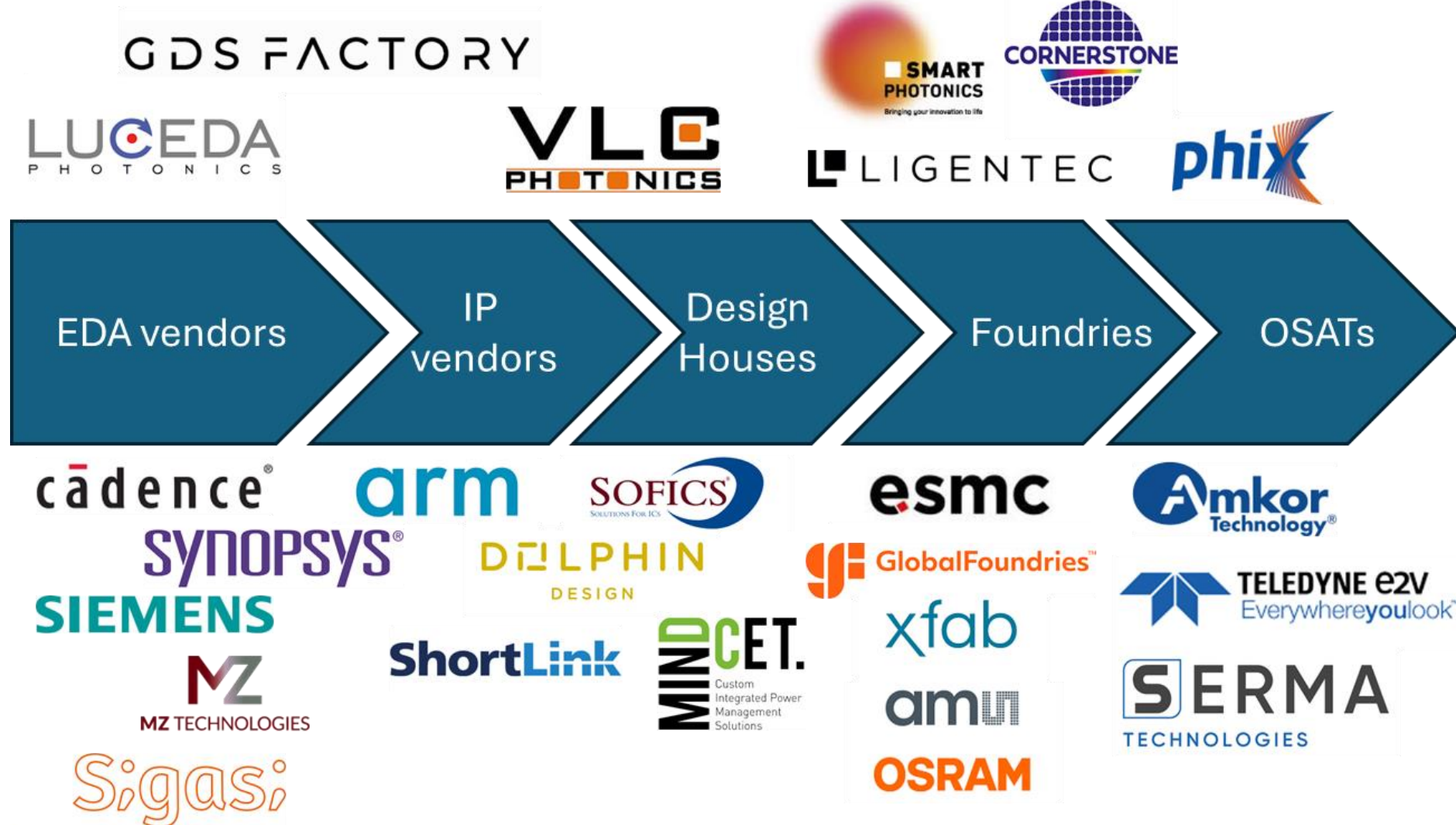
## ► Role of PCT and DETs





# Platform Coordination Team

## ► Stakeholders and supporters





Supply chain