



# SmartCLIDE

## "The Stairway to Cloud"

The SmartCLIDE project will enable organizations on the path to digitalization to accelerate the creation and adoption of Cloud solutions. The innovative smart cloud-native development environment will support creators of cloud services in the discovery, creation, composition, testing, and deployment of full-stack data-centered services and applications in the cloud.

### Motivation

**Digital transformation** is changing every sphere of society at a very fast pace.

Technological and cultural breakthroughs.

**Cloud computing** and **agile methodologies** as the key enablers of digital transformation

SmartCLIDE aims to **boost** the adoption of **Cloud and Big Data solutions**

### Whole life cycle support IDE



### What is SmartCLIDE?

#### Cloud IDE



- Smart, cloud-native IDE, based on the coding-by-demonstration paradigm
- Collaboration between different stakeholders

#### Services Composition:



- Create control, data and operations abstractions
- Combine abstractions to create new services

#### Services Discovery



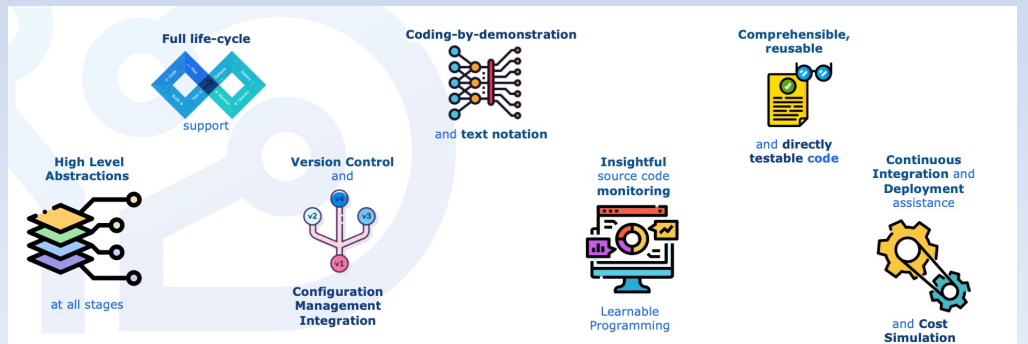
- Import/Search and Discover available services and resources (abstractions, data sources, infrastructure resources, data transformations, etc.) from their current IaaS, PaaS and SaaS Providers

#### Deep Learning

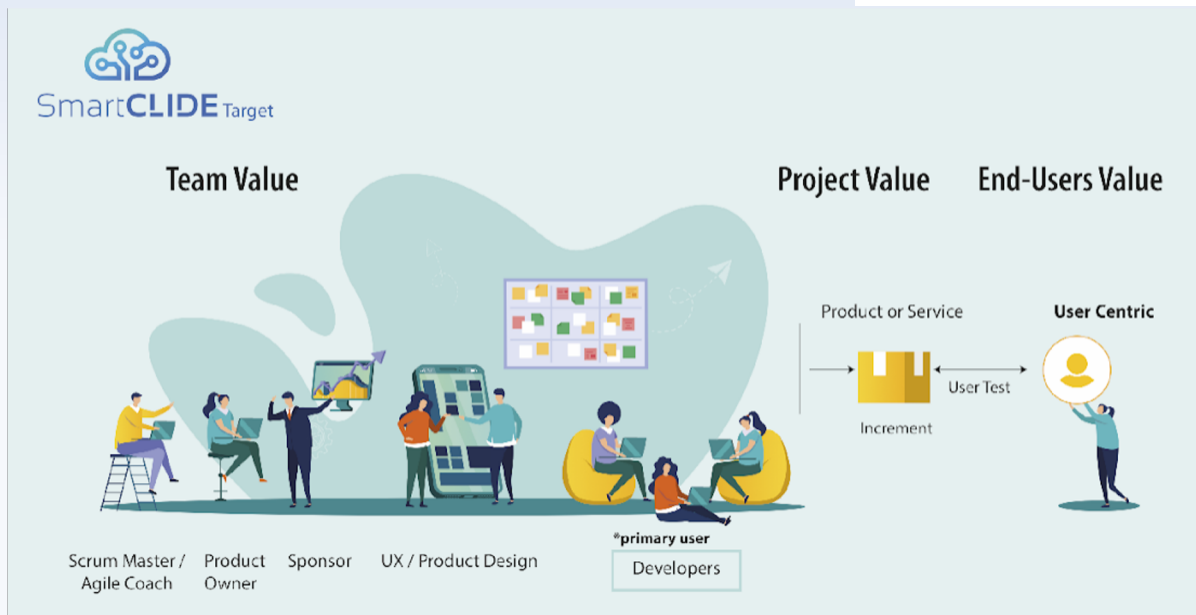


- Automatic Software Classification
- Context Identification and Abstractions Selection
- Programmatic Output Generation

### Composition of New Services



### Target Users & Value



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### Consortium

