

Deliverable D6.3

Early Project Presentation and brochure

WP 6

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Project Partners

Institut für angewandte Systemtechnik Bremen GmbH (ATB), Germany Intrasoft International SA (INTRA), Luxembourg Fundacion Instituto Internacionale de Investigacion en Intelligencia Artificial y Ciencias de la Computacion (AIR), Spain University of Macedonia (UoM), Greece Ethniko Kentro Erevnas Kai Technologikis Anaptyxis (CERTH), Greece X/OPEN Company Limited (TOG), United Kingdom Eclipse Foundation Europe GMBH (ECLIPSE), Germany Wellness Telecom SL (WT), Spain Unparallel Innovation LDA (UNP), Portugal CONTACT Software GmbH (CONTACT), Germany Kairos Digital, Analytics and Big Data Solutions SL (KAIROS DS), Spain



Dissemination Level

PU	Public	
РР	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
СО	Confidential, only for members of the consortium (including the Commission Services)	

Document Control

Version	Notes	Date
0.1	Initial version of the document	21.12.20
1.0	Integration of the KDS and ATB reviews	22.12.20



Abbreviations

AB	Advisory Board		Scientific and
App	Software Application	STQA	Technical Quality Assurance
APM	Adaptive Project	Т	Task
2	Management	VoIP	Voice over IP
D	Deliverable	WP	Work Package
DoA	Description of Action	W I	•
EA	Ethical Adviser	WPL	Work Package Leader
PB			Work Package
٢D	Plenary Board	WPMT	Management Team
EC	European Commission	w.r.t.	with respect to
e.g.	exempli gratia = for		Ĩ
-	example		
etc.	et cetera		
EU	European Union		
FP7	Framework Programme 7		
GA	Grant Agreement		
	General Data		
GDPR	Protection		
	Regulation		
ICT	Information and		
ICT	Communication Technology		
i.e.	id est = that is to say		
IP	Intellectual Property		
11	Intellectual Property		
IPR	Rights		
	Key Performance		
KPI	Indicator		
М	Month		
PB	Plenary Board		
PC	Project Coordinator		
PQA	Project Quality		
IQA	Assurance		
QA	Quality Assurance		
	Research and		
RTD	Technological		
	Development		
SME	Small and Medium Sized Enterprise		
SC	Steering Committee		



Executive Summary

According to the predefined rules exposed at the beginning of the SmartCLIDE project, project presentation and brochure will be issued in this section. All the images and materials created (Brochure, poster, Roll up for conferences, and project templates) could be downloaded and are, of course, open to use as Creative Commons. This report gives an overview of the SmartCLIDE project public website dissemination area (Dissemination Kit, Blog and Follow up) and internal website and collaboration support.

The public site (www.smartclide.eu) is designed to present the work of the SmartCLIDE project to the general public, the scientific community, and industry. It was already presented with the SmartCLIDE logo on the deliverable D6.3.1.

All partners are collaborating in making local and international news about the goals of the consortium, updating deliverables to the website and keeping the open for public access. Our collaboration infrastructure will be evaluated and upgraded as necessary during the lifetime of the project. All partners are encouraged and reminded regularly to provide additional suggestions and further information regarding activities related to the SmartCLIDE project, so that these can be properly captured and advertised via the project website in order to keep the website current with fresh information and material.

Using the materials provided (printed and online) for their own events and for the events in which the Consortium have presence. (Updated pictures, updated reports, news about the platform, Workshops activities, Interaction with the end users... etc.)

This document will have 3 releases:

- This first release (D6.3), month 12, describes the first set of assets created for the project.
- A second release (D6.5), month 24, will present the created assets after 2 years duration
- A final release (D6.7), month 36, will present the final list of assets created by the project dissemination and communication of the project.



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1.1 About this deliverable

The project presentation and brochure are part of the management and dissemination strategy of the SmartCLIDE project. We will be creating these 3 coming years several materials to reinforce the image of the project at all the international events the Consortium participates in. It will serve as first source of information to the public, as concerns objectives, structure and partners involved but particularly with regards to activities, news and public project results. These materials will be regularly updated and customized until the end of the project (D6.3, D6.5 and D6.7) in order to improve engagement of early adopters and end-users.

SmartCLIDE's public website has 9+2 specific sections to promote the assets produced by the project:

- Public deliverables to share technical details about the project.
- Scientific publications to obtain academic recognition by our peers.
- Presentations to promote the project.
- Videos with recorded presentations or demos.
- Newsletters sent to the project followers.
- Press Releases to promote some key project events
- Posters, Flyers and Brochures displayed or distributed. during some events
- Blog articles to drumbeat the activities and progress of the project.
- Logo and artworks of the project
- Training materials that will contribute to learning and understanding of the project (when the first trainings will be available).
- Finally, pointers to the project's open-source code that will contribute to testing, trust and adoption of the project's concepts (when the first code repositories will be available).

2 Public deliverables

So far, we published the following deliverables:

- D1.1 State-of-the-Art and Market Requirements
- D6.1 Open Data Use Plan
- D6.2 Project Website
- D1.4 The SmartCLIDE Concept
- D1.5 The SmartCLIDE Architecture

3 Scientific papers

Our first scientific paper was accepted at QUATIC 2020

• "Applying Machine Learning in Technical Debt Management: Future Opportunities and Challenges" (University of Macedonia)



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Smart

We created 3 presentations in 2020:

- <u>SmartCLIDE Pitch (Oct. 2020)</u>: First public presentation on SmartCLIDE presented during EclipseCon 2020 and used to create our first video.
 - See Appendix 14.1
- <u>SmartCLIDE Vision (Nov. 2020)</u>: Presented during the M9 Review
 - See Appendix 14.2
- <u>SmartCLIDE: Stairway to Cloud (Dec. 2020)</u>: Presented at the Open Research Webinars co-organized by the Eclipse Foundation and OW2, Dec. 15, 2020
 - See Appendix 14.3

5 Videos

Project videos are hosted on the <u>SmartCLIDE YouTube channel</u>:

• Project's first introductory presentation.



6 Newsletters

We published a first newsletter grouping the blog posts presenting the key concepts of the SmartCLIDE project.

- <u>Newsletter #1: Let's lay the foundation</u>
 - See Appendix 14.4

7 Press releases

7.1 For the project launch

We published 5 press releases for the project launch:

• <u>CONTACT Software is partner in European cloud project SmartCLIDE</u>



- <u>Eclipse Foundation Supports EU Funded SmartCLIDE Project</u>
- Kairós DS participa en el proyecto SmartCLIDE financiado por la UE
- <u>AIR Institute Supports EU Funded SmartCLIDE Project</u>
- <u>Press Release ATB Supports EU Funded SmartCLIDE Project</u>

8 Posters, Flyers & Brochures

So far, we created a first general factsheet:

• <u>SmartCLIDE Fact Sheet #1</u>

9 Blog articles

In 2020, we published a total of 12 blog posts. It is interesting to notice that most of these articles have a usual content which can be considered as a resource for the project:

- <u>The Horizon2020 project SmartCLIDE has officially started on 1st January</u> 2020!
- <u>SmartCLIDE: a new cloud-native IDE</u>
- Machine Learning and Deep Learning: A power couple
- <u>Cloud Computing in a nutshell</u>
- <u>Programming By Example</u>
- <u>Service Discovery in a Nutshell</u>
- <u>AGILE methodologies and DevOps</u>
- <u>Use Case: Real-Time Communication Service</u>

10 Logo





11 Training materials

We are reserving the slot in this deliverable but do not expect to share the first training materials until the middle of the project.



We are reserving the slot in this deliverable but do not expect to share the first opensource code until the middle of the project.

13 Conclusion

This deliverable listed all the assets that contributed to the promotion of SmartCLIDE during the first year of the project.

14 Appendix

14.1 Presentation: SmartCLIDE Pitch (Oct. 2020)















Drag & Drop IDE

Infer code from action

OPEN ECLIPSE UNISSIDE

The SmartCLIDE Features Map	Whole life cycle support IDE
	A state of the
November 2020 SmartCUDE Vision 9	November 2020 SmartCUDE Vision environment. 10
Use Case Example Scenario Use Case Example Scenario Use Case Example Scenario Use Case Company , the need to optimize the flow of routes packages for trucks and personnel. Use Trucks and personnel. Use Trucks and personnel.	SmartCLIDE the Stairway to Cloud
Use case example: "Getting all tracking related to a specific courier, date and status". Actor: A Product Owner	Thank you !
Covier Pl Oxfor Pl Didged -	

ALB INTRASET AIR

14.3 Presentation: SmartCLIDE: Stairway to Cloud (Dec. 2020)















14.4 Newsletter #1: Let's lay the foundation



The SmartCLIDE project will enable organizations on the path to digitalization to accelerate the creation and adoption of Cloud and Big Data solutions. The innovative smart cloudnative 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.

Newsletter #1: Let's lay the foundation

We are launching our first SmartCLIDE newsletter with a set of articles presenting the pillars of our project: Cloud Computing, Deep Learning, the Integrated Development Environment, Service Discovery and Programming by Example.

Our partners have made a special effort to write for as broad a technical audience as possible, to provide a look into the state-of-the-art of the project pillars and to understand the innovations that the SmartCLIDE project plans to implement

If you would like to know more about our project, we invite you to visit the SmartCLIDE.eu website and subscribe to our newsletter to receive regular updates on our progress.

The SmartCLIDE team





Cloud computing in a nutshell

Cloud computing has become the platform for the new, global digital transformation stage we have entered to not only for our countries, govern-ments and companies but also for each one of us. Our phone contacts, photos and messages are stored in... [read more]



Buzzwords like Machine Learning and Deep Learning have been around for quite some time. We've always known that intelligent systems had been a promising technology that would enable us to search through vast amounts of ... [read more]









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Want to change how you receive these emails? You can <u>update your preferences</u> or <u>unsubscribe from this list</u>.



SmartCLIDE:

a new cloud-native IDE

Analyzing data is much easier and faster today thanks to cloud computing and on-demand availability of computer system resources such as data storage and computing power. However, the development of cloud solutions requires tools adapted to special characteristics of the cloud ... [read more]

Service Discovery in a nutshell

In recent years, Microservices have gained in popularity, since they come with various advantages, which are very useful for contemporary software development for example, in the era of containers, decentralization and cloud computing. [read more]

Programming by Example

Dy Example is to the aim of Programming By Example is to develop programs through the synthesis of a series of examples. First, a sequence of actions is performed or given by the user: this is the starting point of a combination of functions which result in a programmatic output, ... [read more]







14.6 Press Release: Eclipse Foundation





KAIR@SDS



Kairós DS participa en el proyecto SmartCLIDE financiado por la UE

por ADMINISTRADOR | Abr 1, 2020 | Innovación | 0 Comentarios



[Madrid, 31 de marzo de 2020] — Un consorcio europeo de once socios de Alemania, Grecia, Lusemburgo, Portugal, España y Reino Unido ha anunciado el lanzamiento del proyecto SmartQLDE, un proyecto de investigación de 4.9 millones de euros financiado por el programa de investigación e invocado Hintorizonto 2020 de lu None Europaca.

El proyecto Smart CLIDE (Cloud, dep-Jeaning, IDE, Discovery and programming by-Example) ha comenzado su andadura en enero de 2030, bajo las condinación del centro teorológico atemia ATB (Bernem Institute for Applied Systems Technology), El proyecto propose la creación de un movesio entrono inteligencia de destarrido natato para la nucle, tasade en el principio de pregnaming-ly-demonstration, que consiste en enseñar a un sistema informático climo ejecutiva tarses a través de la reproducción de ejemplos. Su finalidad es encontar nuevas maxeras de imputar la adopción de subciones BB Data en la nube, acercando el desarrollo Big Data a personal no tecicios. PMES y explaniziones del sector pólicio.

SmartCLIDE da apoyo en los diferentes niveles de abstracción de la creación de servicios en la nube aplicando a todas las etapas del desarrolo de servicios ful-stack data-centered. Habilita un self-discovery de servicios laaS y Saas capacitando al personal no técnic en el desplegue de neuveos servicios.

El proyecto, que plantea una arguitectura de referencia universal basada en microservicios, se aborda de manera colaborativa entre los oros socios participantes. El centro de investigación heleno, CERTH (*Centre fin Research and Technology Helela*) el instituto castalianteleneis de investigación intelligencia Artical ARS, sons 60 de das locaritoras que cabitanco mempresas de software como Contact Software, Naciós DS, entrascrit International, universidades como la de Macedonia, o los expertos en seguridad, catidad y estanduraziand nel Software, The Open Groux.

La solución propuesta incluye herramientas de clasificación inteligente de software, apoyo a pruebas automáticas y a la distribución continua de soluciones en la nola, todo deside una intertar gráfica que incluye múltiples galas visuales para las cuanzios. La solución SmartLUDE es contruye sobre un enfoque, de desarrolló dirigido per comportamiente BOLO, el cual habita las altritopación de los unazios en el proceso de desarrollo software para seguera la entrega de valor continua desde una estapa temprana de los proyectos. Además, hiculye un motor de apendicaje portundo Deve Luarming que ayacida a los desarrolladores de software a diseñar soluciones que sa adupto n prefestamente as necesidades de so dientes de unama seguera, alque y efacz.

"La nube es el motor de la digitalización, pero muchas compañías todavía dudan en usarlo;" dice Stefan Gregorzik, Business Development Manager en CONTACT Software: "SmartCLDE deberá posibilitar la combinación de requisitas de alta seguridad con una sencilla integración de sistemas y una buena experiencia cla usuraio, y ad amplita ha capitación de las soluciones en la nube."

"El cresimiento de la demanda de aplicaciones de uso intensivo de datos en la nube está impulsando la necesidad de una nueva generación de herramientas de desarrollo en la nube como SmartCUDE", dio Milindovich, Executivo Director de Edipas Poundatic "Estamos encantados de apoyar el crecimiento de un ecosistema vibrante aireciedor de esta tecnología innovadora."

La Fundación Eclipse apoyará la comunicación del proyecto en la comunidad open source mundial y ayudará a que los componentes contrales este nuevo entorno de desarrollo para la nube sean publicados baje al open source Torgues Ande License (RPL 20, el Apache Software License (ASL) 20, o una licencia apen source compatible con el EPL 20. Estos significa que los desarrolladores de software y los usuandos perfociensiles publica y calcitar gradualmente y seguir desarrolladores protectados de portecimenten.

Más información sobre el proyecto SmartCLIDE está disponible en http://smartclide.eu.

Sobre Kairós DS

Rairds IDS se ha convertido en referencia internacional en el campo de la transformación digital apoyando compañías en su transformación digital con un nuevo modelo de project management en un proyecto individual, Agile en escala y niveles de gestión portfolio.

Expertos en el desarrollo de producto digital "end to end" incorporando las mejores prácticas de desarrollo de software, un proceso que se está convirtiendo mucho más tradicional y principal.

Entrega continua de soluciones, centrándose en las necesidades de los clientes y las tecnologías digitales a través de la aplicación de conceptos Lean-Aglie bajo la filosofía de Producto Minimo Viable (MPV), proporcionando de este modo desarrollos iterativos, incrementales y exclabales.

Korlo DS ca centra en apuder a sus clientes a desarrollar fajolamente la habilidad de generación de valor en estos condentos fun accelentarios. Havenera porteinacios es presento a las compañís para la lega a ser engresos tanadas en el concentra, donde los productos y los clientes son el camoto de la erganización, y los empleados son el motor de la transformación digital a través de la aglidad e havamprenduale. Estas es la ración por la calif Araíns DS está basada funcimente en el concelmente y la adaptabilidad digital, dundo agono que sus clientes para adaptanse de una torma estar y segan al camoto de plati.

Kairós DS está formado por más de 450 profesionales en todo el mundo. Aunque Kairós DS nació en España, su pluralidad y precoupación por concere, mejorar y servir en diferentes geografias del planeta, le ha llevado a estar presente en España, México y Perú y llevando a calo proyectos con cilitaries en UK, Brasil y USA.



Cofinanciado por el Programa "Horizonte 2020" de la Unión Europea

Kairós DS Supports EU Funded SmartCLIDE Project

[Madrid, March 31, 2020] — A European consortium of eleven partners from Germany, Greece, Luxembourg, Portugal, Spain, and the United Kingdom has announced the launch of the Snart(LDE) project, a 64.9 million research project funded by the European Union's Morizon 2020 research and Innovation moreown

In January 2020, the SmartCLIDE (Elouid, deep-Learning, IDE, Discovery and programming by Example) project was created under the loadership of the Brennen Institute for Applied Systems Technology ATE. The project propaces a new areat cloud native development environment based on the coding-by-demonstration principia and its pails to fait frame ways to baset the adoption of cloud and Bg Data solutions in small and medium-steed enterprises and public sector organizations. SmartCLIDE provides support for cloud and Bg Data solutions in small and medium-steed enterprises and public sector organizations. SmartCLIDE provides support for cloud and Bg Saas services with the ultimate aim of providing a tool for empowering non-technical staff to deploy new services.

The project entals a strong cooperation between eleven research partners, the CERTH (Centre for Research and Technology Hellas) and The Air research institutes, software companies including Contact Software, Karling OS, Intrasoft International, and universities such as the University of Macodosia. Together with security-by-design expects from The Open Group, research members and collaborators are implementing a universal informer auchiducture based on microservice.

The architecture includes tools for classification and context-related configurations of software modules, automatic testing, and distribution of solutions, as well a providing generic interfaces to leading cloud service providers. The SmartLUE solution builds on a biblioan-orison devolution (EDD) approximation, which enables the user' engagement in the software devolutions process at a engly stage and na agle marmer. In addition, a deep learning englies analyzes the application usage by means of numtime monitoring. This Al component will hips orthware developers in the future to redesign their customer solutions to fit perfectly and to detect and eliminate longs at a faster rate.

-The cloud is the motor of digitization, but many companies are still hesitant to use it,-- says Stefan Gregorzik, Business Development Manager at CONTACT Software --SmartCLDE should make it possible to combine high security requirements with easy system integration and a good user experience, so that cloud solutions are widely accepted-.

'Growing market demand for data-intensive cloud applications is driving the need for a new generation of cloud development tools ill SmartCUDE', said Mike Milinkovich, executive director of the Eclipse Foundation. 'We are thrilled to support the growth of a vibrant ecosystem around this innovative technology.'

The Eclipse Foundation will support project communication in the worldwide open source community and the central components of the new cloud DE will be published under the open source Eclipse Public Learne EPU 2:0 open source, the Apache Software Learne (ASU 2:0 or an open source learnes compatible with the EPL 2:0. This means that software developers and business users will be able to view, freely utilize, and further develop the later project results.

More information about the SmartELIDE project is available at http://smartclide.eu.

About Kairós DS

Kairds D5 has become an international reference in the field of digital transformation supporting companies in the transition towards a digital approach with a new model of project management at individual project, Agile at scale and portfolio management levels.

Experts in -end to end--digital product development incorporating the best software development practices, a process that is becoming much more traditional and core.

Continuous delivery of solutions, focussing on customers needs and digital technologies through the application of Lean-Agile concept under Minimum Viable Product (MVP) philosophy, thus providing iterative, incremental and scalable developments.

Karloß D5 services are focused on helping their customers to develop their ability to swiftly generate value in these fast-changing contexts. Due professionals coach companies to become inoveledge-based enterprises, where product and customers are the encourse of the origination, and employees are the engine of the digital transformation through align and intra-enterpresenture). That's the eason why flavids D5 storught yeased on inoveledge and digital adaptability, aiming at supporting their customers to smoothly and adapt windows of gital change.

Kaids DS is an organization supported by over 450 professionals all over the world. Although Kaids DS was born in Spain, its plurality and our concern to know, raise and serve in different geographies of the planet, has led us to be present at a physical level in Spain, Mexico and Peru and carryle out projects WIL Kollents, Brand and USA.



Co-funded by the Horizon 2020 programme of the European Union



14.8 Press Release : AIR Institute



"Growing market demand for data-intensive cloud applications is driving the need for a new generation of cloud development tools like SmartCLIDE," said Mike Milinkovich, executive director of the Eclipse Foundation. "We are thrilled to support the growth of a vibrant ecceystem around this innovative technology."

.... Compare i ouroration will support project communication in the worldwide open source community and the central components of the new cloud IDE will be published under the open source. Eclipse Public License (EPL) 2.0 open source. The Apache Software License (ASL) 2.0, or an open source license compatible with the EPL 2.0. This means that software developers and business users will be able to view, freely utilize, and further develop the later project results.

More information about the SmartCLIDE project is available at http://smartclide.eu.

About the AIR Institute

The AIR Institute is a private non-profit research organization, aimed at the promotion and development of scientific research in the field of computer science and artificial intelligence. The AIR Institute comprises a multidisciplinary team of researchers who work to promote innovation in the field of information technology, computer science, artificial intelligence and information and communication technologies (ICT).

The AIR Institute has highly qualified personnel as a result of their participation in different national and international projects, providing valuable experience in many technologies, such as: the use of distributed ledger technologies and/or blockchain and cryptocurrencies, the use of virtual organizations for the design of social computing systems, fogledge computing mechanisms, development of applications and different types of Cloud platforms, use of natural language processing (NLP) techniques and information extraction, sertiment analysis and other mechanisms for the conceptualization of data, deep learning systems, development of intelligent algorithms for different purposes (e.g., the development of machine learning capabilities, or the detection of patterns and relations/ps between data within Big Data systems), social machines for the development of Decision Support Systems (based on hybrid algorithms that combine case-based reasoning with mixtures of experts), etc.

The AIR Institute is active in a wide range of areas due to the outstanding knowledge and experience acquired by its members, especially in the areas of predictive maintenance systems, Industry 4.0 and Internet of Things, Bioinformatics, Smart Cities, Social Computing and Blockchain.

o learn more, follow us on Twitter @TheAirInstitute, Linkedin or visit air-institute.org

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AIR Institute - Deep tech lab Edificio Parque Científico Universidad de Valladolid Módulo 305, Paseo de Belén 11, Campus

D6.3



14.9 Press Release : ATB





14.10 SmartCLIDE Fact Sheet #1



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.

Open .

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บงครูดอันและ

At a glance SmartCLIDE Smart Cloud Integrated Development Environment supporting the full-stack implementation, composition and deployment of data-centered services and applications in the cloud. Air KAIROS

Project coordinator Institut für angewandte Systemtechnik Bremen (DE) EC Contribution 64,935,381 Duration 36 months: 01/2020 – 12/2022 Further information Total cost €4,935,381

Programme H2020-ICT-2019-2

Context and motivation The rapid advances in Cloud Computing, the Internet of Things, Big Data, Virnal / Augmented / Mixed Reality and Blocchain are changing every sphere of society at a very fast pase: the way people establish ascial relations and links, how companies do business, or how citizens and public Administration relate to each other.

In this context, business organizations and public bodies are submerged in deep digital transformation processes that involve profound cultural and technological breakthroughs. Cloud computing can be considered as the key enabler of the digital transformation since it has managed to engage companies' eagerness for growth and information need to acquite more powerful information.



http://smartclide.eu

Challenge In this context, when companies face the creation or composition of new services for their clouds, they have three alternatives with their own problems/immitations: • Development of services from scratch invokes high complexity due to the wide variety of technologies that need to be used in the whole stack. It is expensive and time consumity.

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tomplexity use to ine where stack it is expensive and imin to be used in the whole stack. It is expensive and immarkenplaces are rightly coupled to las3 and PasS providers, and they are not always uniformly classified or well documented, so the discovery of valuable and secure services is generally a manual process and validity in demonstrated by trial and error. Pricing models of public cloud providers are very complex since they combine different variables depending on the type of service. These variables can be funded to the target of the service of the service processing capacity), volume (thousands) of predictions obtained (in the case of machine learning algorithm), volume of data transferred and many more. This fact makes the calculation of costs extremely difficult to predict, and therefore to control.

යුත Smart**CLIDE** "The Stairway to Cloud"

Solution

Solution The main objective of SmartCLIDE is to overcome the previous limitations by proposing a radically new, smart, found-native development environment, based on the coling-by-demonstration principle, that will support creators of cloud services in the discovery, creation, composition, testing and deployment of full-stack, data-centered services and molications in the cloud



SmartCLIDE will provide high level abstractions at all tages (requirements, design, development, testing, deployment and run-time) as well as self-discovery of last and SasS services. SmartCLIDE will provide several categories of abstractions on data transformations or processing at testing stage. SmartCLIDE will provide abstractions on data transformations or processing at testing stage. The cloud nature of the environment will enable collaboration between different stateholders, and the self-oldsovery of last and SasS services and the high levels of abstractions will facilisate the composition and deployment of new services to non-technical taff (with ne previous experimence on programming or on the administration of paysems and unification taff (with ne previous experimence on programming or on the administration of new services to non-technical taff (with ne previous experimence on programming or on the administration of new services to non-technical taff (with ne previous experimence on programming or on the administration of the unification carde chance the new services in each case. SmartCLIDE will allow SMEs and Public

SmartCLIDE will allow SMEs and Public Administration to boost the adoption of Cloud solutions, being validated by one solution oriented to Public Administration (Social Security System) and three different IoT and Big Data products from software development SMEs within the consortium.

Expected impact To evaluate the impact of SmartCLIDE, the consortium evaluation of the study considering the cost and income flows of all the impacts together. Impact assessment will be carried out during the last of months of the project, when the final version of SmartCLIDE solution will be ready to be assessed in the Pilot Case. Socio-economic impacts, which require a wider time span to be measured, will be properly darfield for their measurement after project completion.

IMPACT 1. Contribute to the development of an ecosystem that will respond to the future digitization needs of industry and the public sector.

- IMPACT 2. Assist the development of new cloud-based services and infrastructures in Europe and foster an industrial capability in the cloud computing sector.
- IMPACT 3. Create new opportunities to encourage European-based providers, in particular SMEs, to develop and offer cloud-based services based on the most advanced technologies.
- MPACT 4. Leverage research and innovation projects to support the development and deployment of innovative clouds-based services and next generation applications. for the public and private sectors (including standardization and applications) for Big-Data and other sectors-specific applications).

