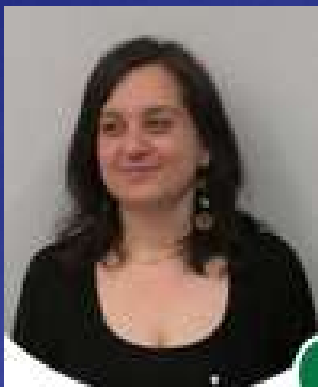


Tools & Services 4U: The SAE Marketplace, Technology Radar and Innovation Readiness Tool



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Smart4Europe2 has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 872111.



European Initiative Smart Anything Everywhere



SAE Market Place

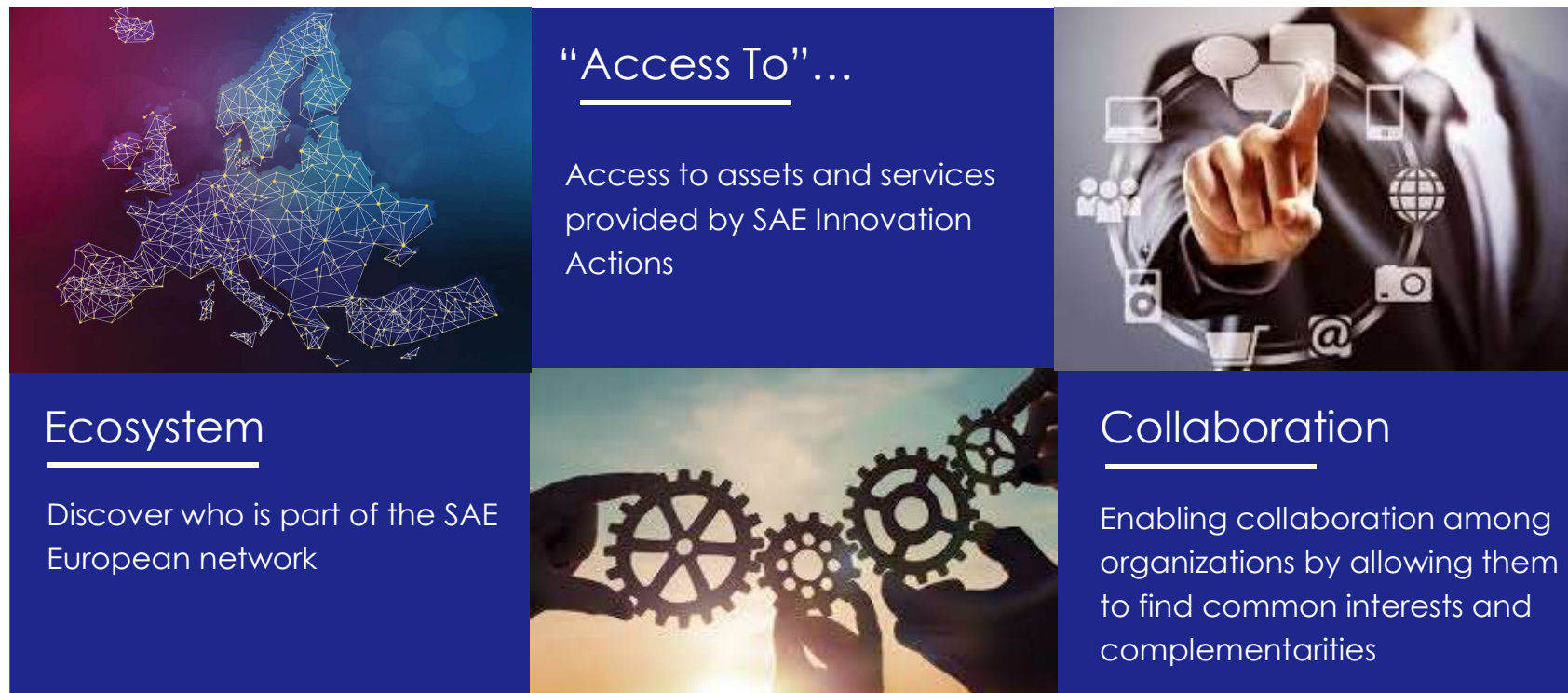
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SAE Market Place

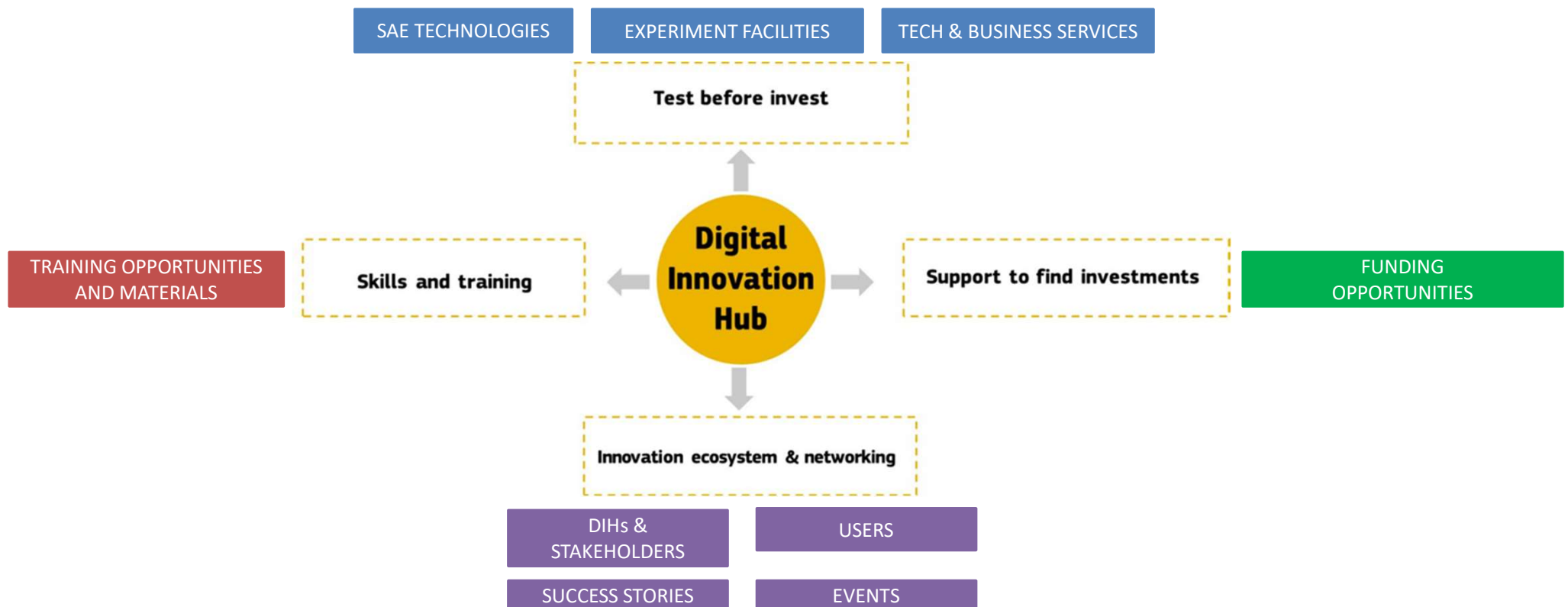
The SAE Market Place gathers the overall offer of the SAE initiative in one place, providing a “one-stop-shop” where DIHs and their stakeholders across Europe can get up-to-date information, deep dive into SAE offerings and connect with the right actor of the SAE ecosystem.



Architecture & Content

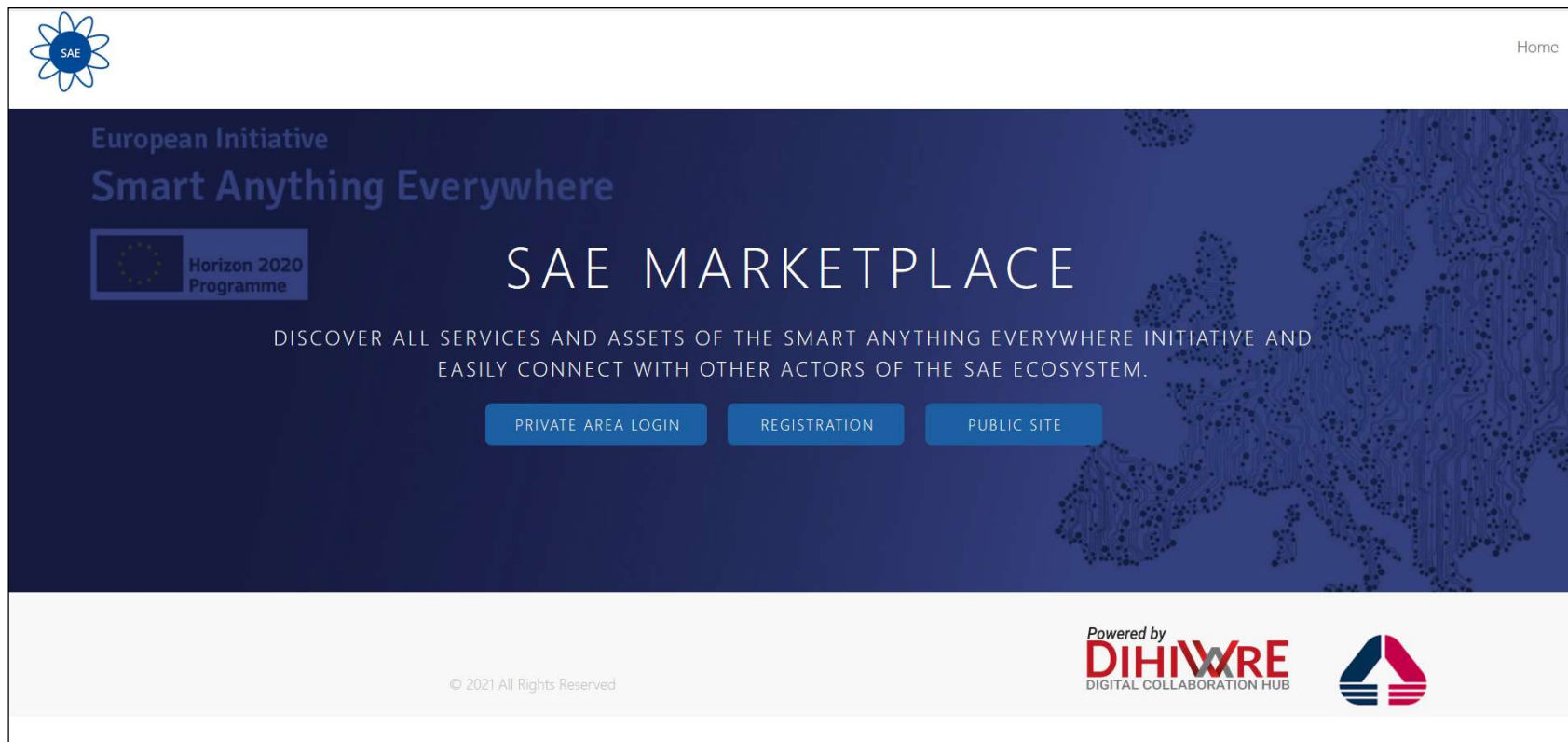


Four main workspaces aligned with the structure of (European) Digital Innovation Hubs in the Digital Europe Programme



Landing page

The SAE marketplace can be accessed at <https://saemarketplace.eu> and via the SAE Innovation Portal <https://smartanythingeverywhere.eu/services/>.



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A snapshot



SmartAnythingEverywhere

SAE MARKETPLACE

Home

- Innovation ecosystem and networking
- Test before invest
- Skills and training
- Support to find investment
- Collaboration Space
- Innovation Spaces

Innovation Ecosystem and Networking
Benefit today! Research and join your value chain across Europe

Users | Stakeholders | Success Stories | Calendar of Events

Matchmaking

Test before Invest
With support access digital transformation testing and experimentation facilities

SAE Technologies | SAE Experimental Facilities

Technical & Business Services

Innovation Spaces
Exchange your digital transformation journey to accelerate your learning

Idea management system | Challenges

Support to find investments
Get impartial local advice on funding or financing for your digital transformation

SAE Funding Opportunities

Skills and Training
Access recommended training or an internship to advanced your digital skills

Last updated 3 mins ago

SAE education and training opportunities | Skills and training materials

• 100+ SAE Technologies

AUTOFOCUS3
FOCUS ON THE SYSTEM

Powered by Infineon

Description
AutoFOCUS3 is a model based tool and research platform for safety-critical embedded systems. It builds on a generic Eclipse-based tooling framework and is open source (Apache 2.0 licensed). It supports the design, development and validation of safety-critical embedded systems in many development phases, including architecture design, implementation, hardware/software integration, and safety argumentation based on formal models from the following categories: Requirements, logic architecture and behaviour, hardware and software architecture, deployment (hardware/software mapping, scheduling, safety argumentation), in-ECU/ECU, the use of AutoFOCUS3 resources in a design space exploration (DSE) service that allows to explore architecture alternatives for the system under design. Furthermore, this includes different mappings of software tasks to the platform architecture and the use of safety patterns (e.g., based on partitioning component architectures). The DSE service uses a model of the system logic architecture, hardware platform architecture parameters (such as VECTs, memory sizes, etc.) and the design goals as input. Design goals are defined in terms of (1) constraints on the DSE problem, which define the space of valid solutions, and (2) optimization objectives, which define optimality properties of a solution (e.g., cost, estimated energy consumption, etc.). In case multiple objectives are defined, the solutions to DSE problem are presented as a Pareto Frontier. Finally, controlling design objectives can be evaluated. The DSE service relies on formal methods to perform the exploration. In the first step, it performs the system model parsing, design constraints and identifies into an appropriate formal language. Then, one of the supported solver backend (e.g., Microsoft Z3) is evaluated in order to determine the solution alternatives. In the last step, the output of the solver is transformed back into the AutoFOCUS3 modeling language.

Type	Technology Area	Sector Of Application
Product	Simulation and modeling	<ul style="list-style-type: none"> Automotive Signal processing Transportation/Infrastructure
Documentation	SAE Project	
Link	AutoCAD	
Contacts		
<ul style="list-style-type: none"> Infineon: info@infineon.com 		

• 50+ Trainings

SAE EDUCATION AND TRAINING OPPORTUNITIES

VIRTUAL TOUR
Take a tour through SmartEDS Labs and learn more about technologies that can be used for printed and flexible electronics: CSA, VPI, MPEC, FEM, among others.

Domain	Sector	Competence Level
<ul style="list-style-type: none"> Flexible and Intuitive Electronics Advanced flexible electronics 	44	FOUNDATION
Target	Delivery	
All	e-learning	
Learning Outcomes		
Different technologies that can be used for printed and flexible electronics: CSA, VPI, MPEC, FEM, among others.		
Learning Content		
Through a virtual tour on the different SmartEDS Labs present in different countries of Europe, you will be able to learn about the technologies offer available in each of them and have the opportunity to learn more about technologies that can be used for printed and flexible electronics.		
SAE Project	Documentation	
SmartEDS	Link	
Contacts		
<ul style="list-style-type: none"> Helpdesk: helpdesk@smarteds.eu 		

• and many more



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Benefits



SmartAnythingEverywhere



Simplify and reduce the time spent for research



Make it easy to identify what could fit your needs at best



Stay up-to-date with the latest opportunities and results from SAE



Facilitate the creation of synergies and collaboration



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