

The SAE Showroom: Success Stories of European SMEs



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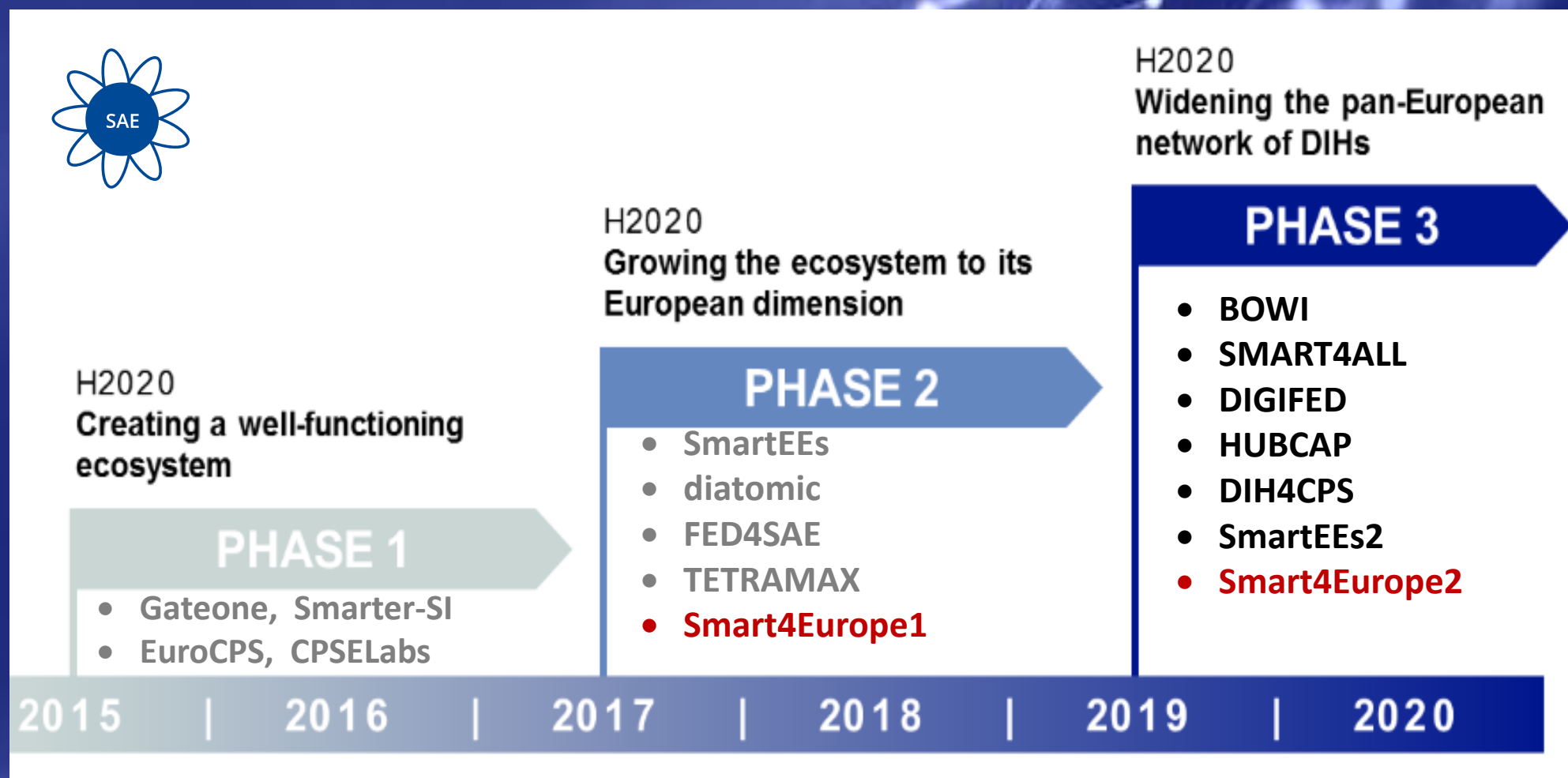


Isabelle Dor
CEA



Evolution of the SAE Initiative

All Innovation Actions aligned to SAE offer funding to support start-ups, SMEs and midcaps in their digital transformation









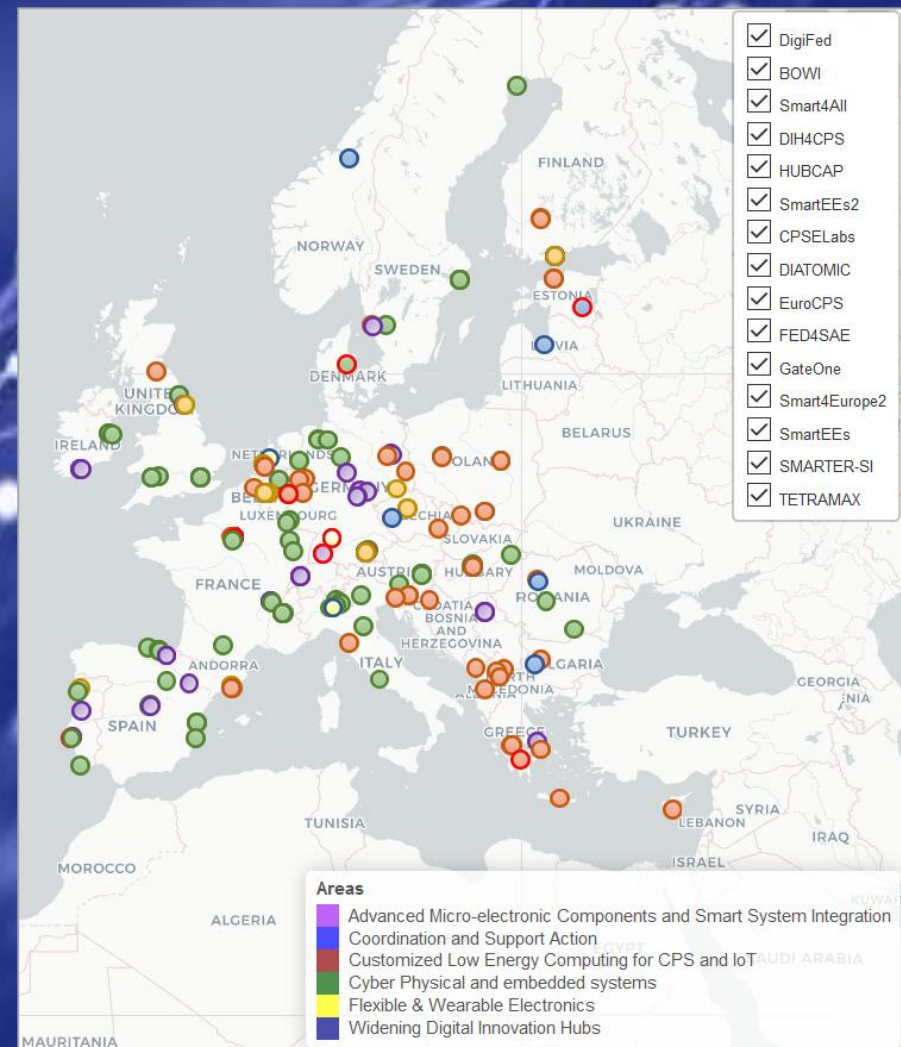
SAE Network of 150+ partners

Partner Spotlight: Meet all partners of SAE aligned Innovation Actions & Digital Innovation Hubs

[← OVERVIEW](#)

Enter Name Application Area Country Cluster Project Type of Organisation

 4S-2000 Ltd. 4S-2000 Termelő és Kereskedelmi Kft. Nyíregyháza, Hungary www.4s-2000.hu/ Type SME Project DIH4CPS	 Aarhus University Aarhus Universitet Aarhus, Denmark www.international.au.dk/ Type Academic Areas: (Auto) Space, Agriculture, Autom... Project HUBCAP
 AMG Technology Ood Botofgrad, Bulgaria www.amg-t.com/ Type SME Project Tetramax	 AMIRES Praha, Czech Republic www.amires.eu Type Consultancy Areas: Agriculture, Automotive / Transp... Project Smartass (I&D)
 AMPER S&C IOT Barcelona, Spain www.sensingcontrol.com	 ATB Leibniz Institute of Agricultural Engineering and Bio-economy Potsdam, Germany www.atb-potsdam.de/de/ ATB Leibniz-Institut für Agrartechnik und Bioökonomie



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

Funding Scheme

„FSTP: Financial Support to Third Parties“



Funding scheme

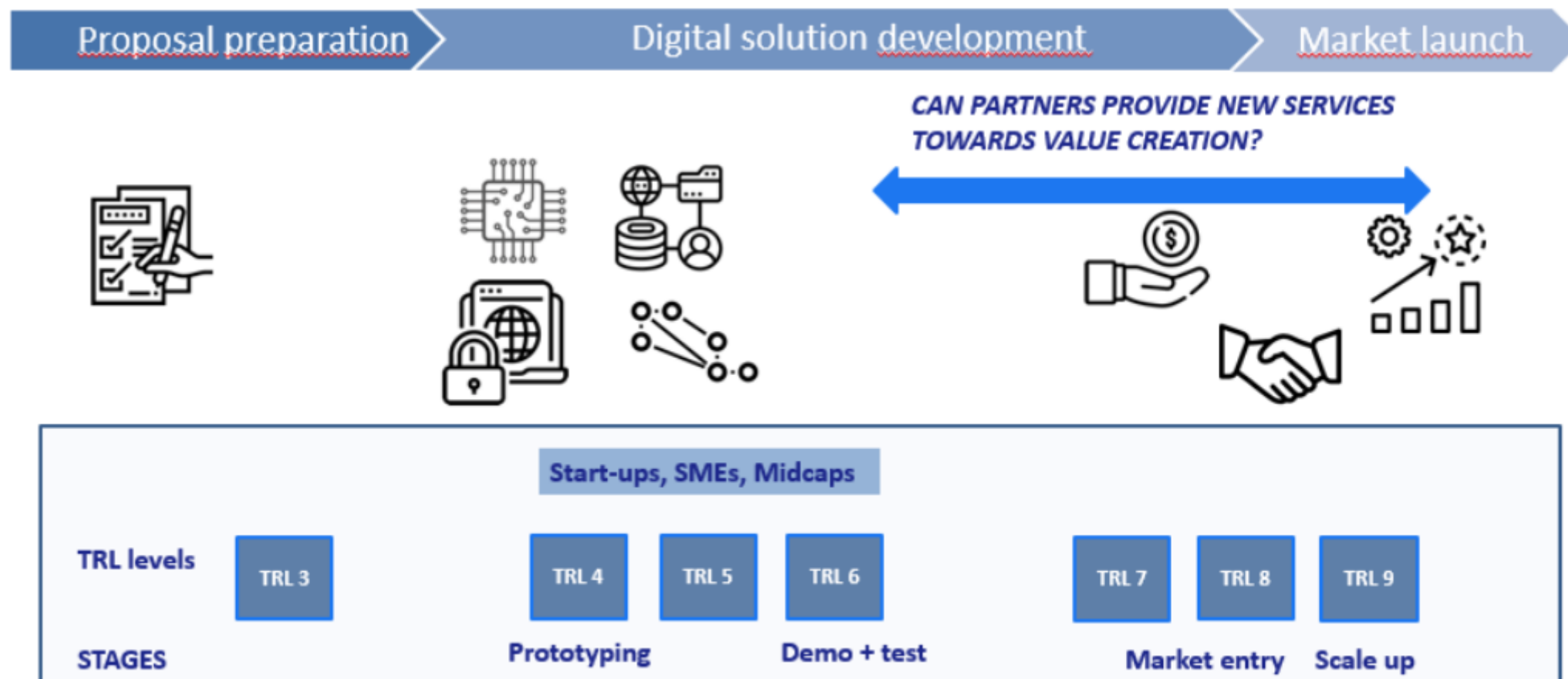
- aims at simplifying the administrative procedures
- creating a light, SME-friendly application scheme
- used by all Innovation Actions aligned to the SAE initiative.

Advantages for SMEs:

- Innovation Actions pass funds directly to the SMEs
- No complex contract between SMEs and the European Commission but
- Lean contract with a representative of the Innovation Action



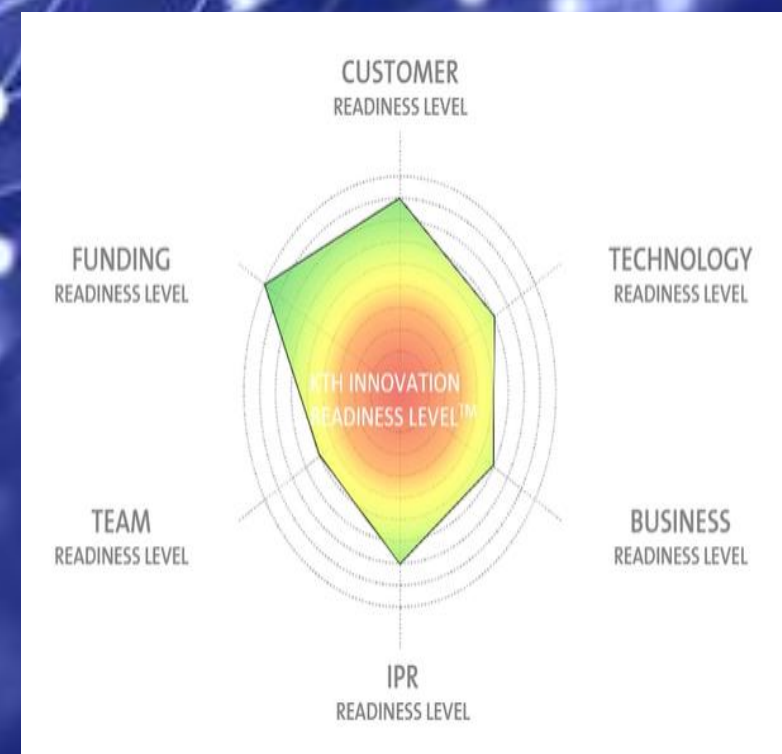
The Application Experiment journey And beyond



Success story a technical achievement, but not only

Granted Application experiment

- ✓ Collected through open calls run by the IAs (more than 50 calls launched by SAE)
- ✓ Evaluated & selected through EC based process:
 - Excellence, Impact, Implementation (quality)
 - Business/Innovation strategy
- ✓ Outcomes:
 - Proof-of-Concept / Advanced prototype
 - Strengthened & de-risked business roadmap/go-to-market strategy (private/public financing, customer networking, etc.)
- ✓ Innovation quantification
 - KTH Innovation readiness level™ (<https://kthinnovationreadinesslevel.com/>)
 - CUSTOMER/TECHNOLOGY/BUSINESS/IPR/TEAM/FUNDING readiness level



Success story a technical achievement, but not only

- **Success story**

- ✓ Granted application experiment
- ✓ Technically successfully achieved
- ✓ Go-to-market ready: identified business strategy, strengthened roadmap & team, targeted market, etc.
- ✓ SAE portfolio: <https://smartanythingeverywhere.eu/success-stories/>



Success Story „Clutsen“

Wireless Sensor System communication kit for condition monitoring (Smarter-SI)

Problem:

- Clutch-brakes transfer motion from industrial motor flywheels
- Exchange due to abrasion is required from time to time
- If wear checks are unplanned, the exchange is done too early without need or too late creating significant downtime costs.

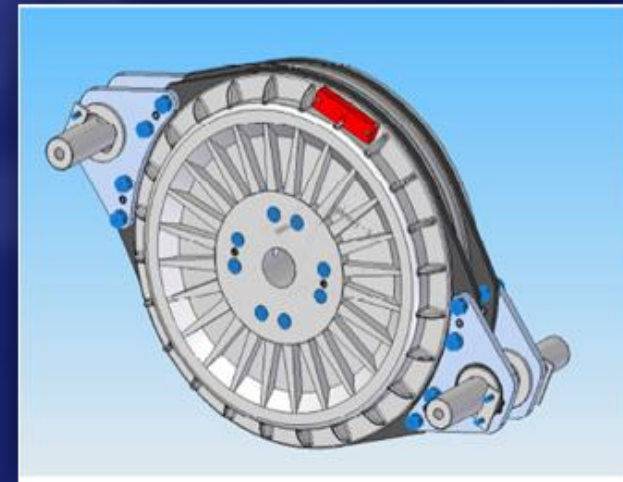


Success Story „Clutsen“

Wireless Sensor System communication kit for condition monitoring (Smarter-SI)

Solution:

- Smart sensor system that reliably predicts the next maintenance point of time.
- Break pads are monitored by distance transducer and temperature sensor.
- Low energy electronics enable data processing and wireless transmission
- System is powered by a kinetic energy harvester.



Partners:

Goizper (SME, Spain) / IK4-IKERLAN (RTO, Spain) / Hahn-Schickard (RTO, Germany)



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