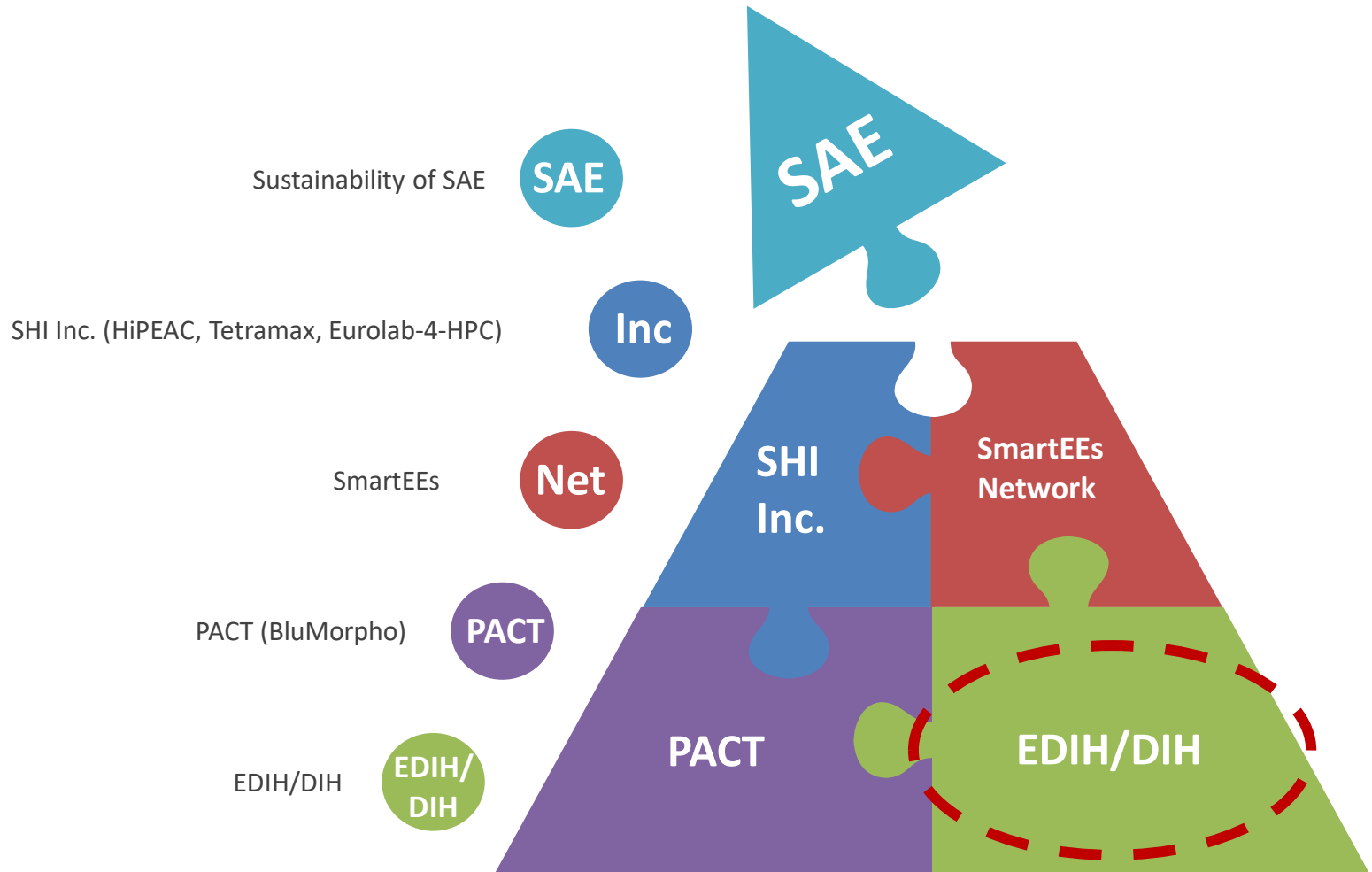


Introduction - The SAE Sustainability Jigsaw

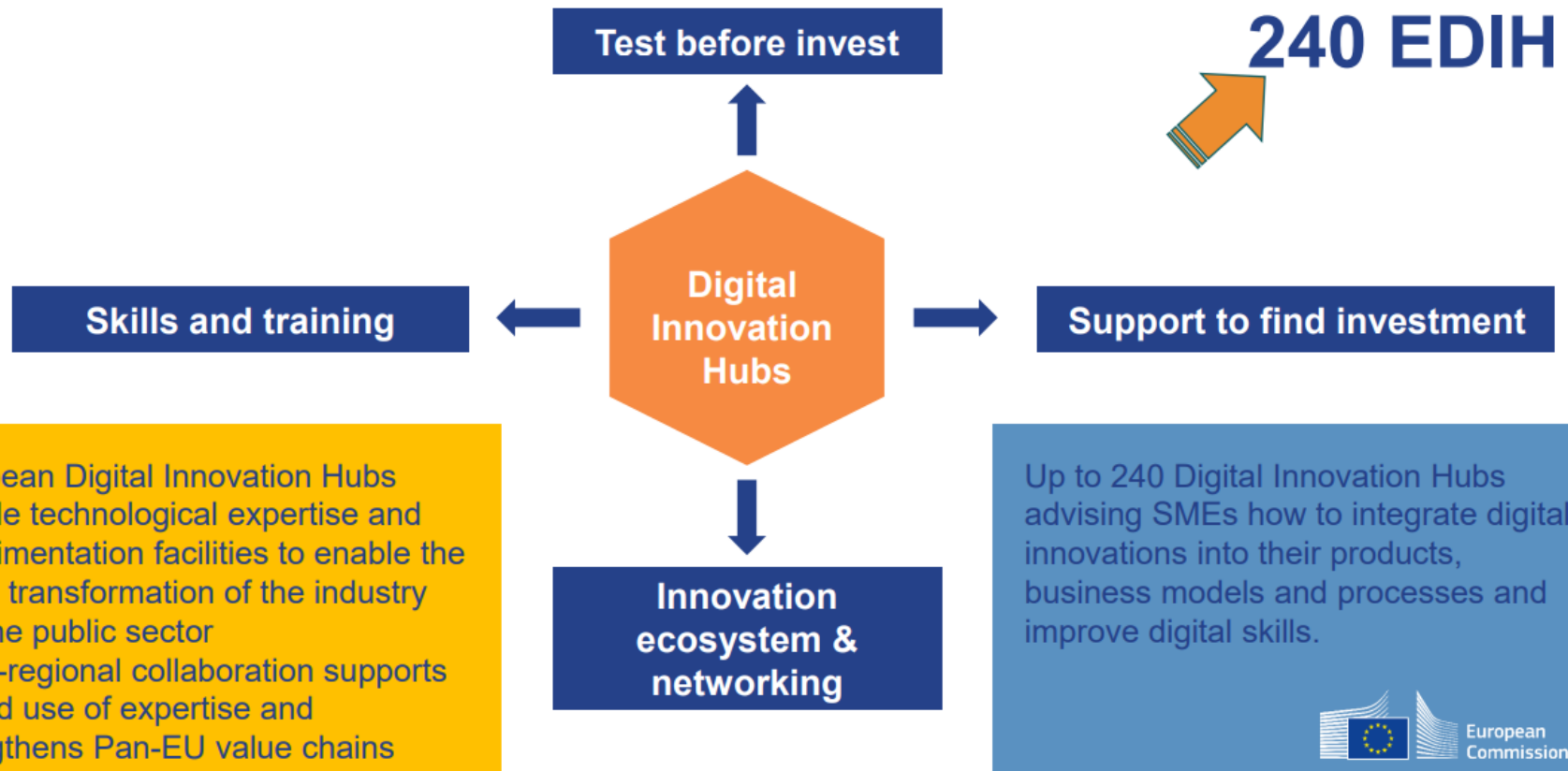




Discussion

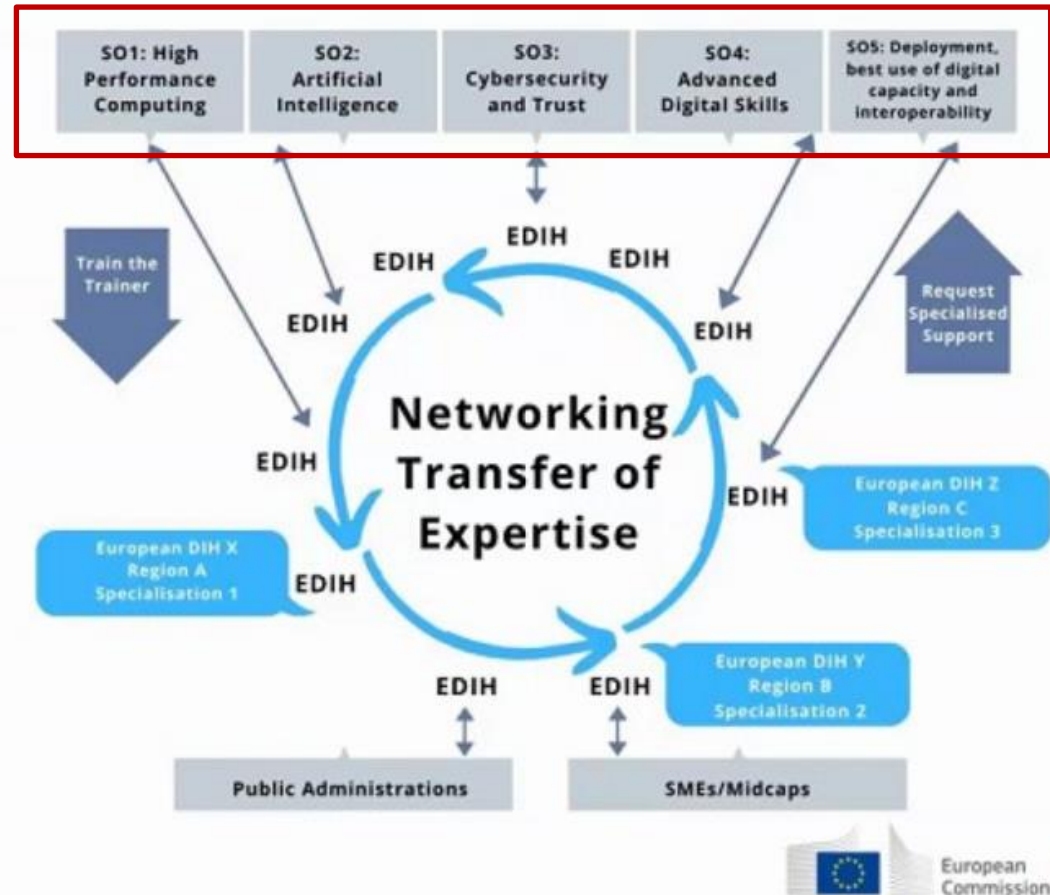
Sustainability of SAE Recommendations?

European Digital Innovation Hubs as part of the SME Strategy



Networking - ensure the best use of DIGITAL capacities

- EDIHs will act as a **multiplier** and **widely diffuse** the use of all the digital capacities built up under the different specific objectives of DIGITAL



Sectors and Technologies



Some numbers

Specialisation

AI	HPC	Cyber-security
211	95	137

Other digital technologies

Auto-mation	Big Data	Blockchain	Cloud	Communication technologies / 5G	IOT	Micro-electronics/ Photonics	Advanced materials	Robotics	Virtual Reality
17	58	34	35	48	74	35	34	63	45

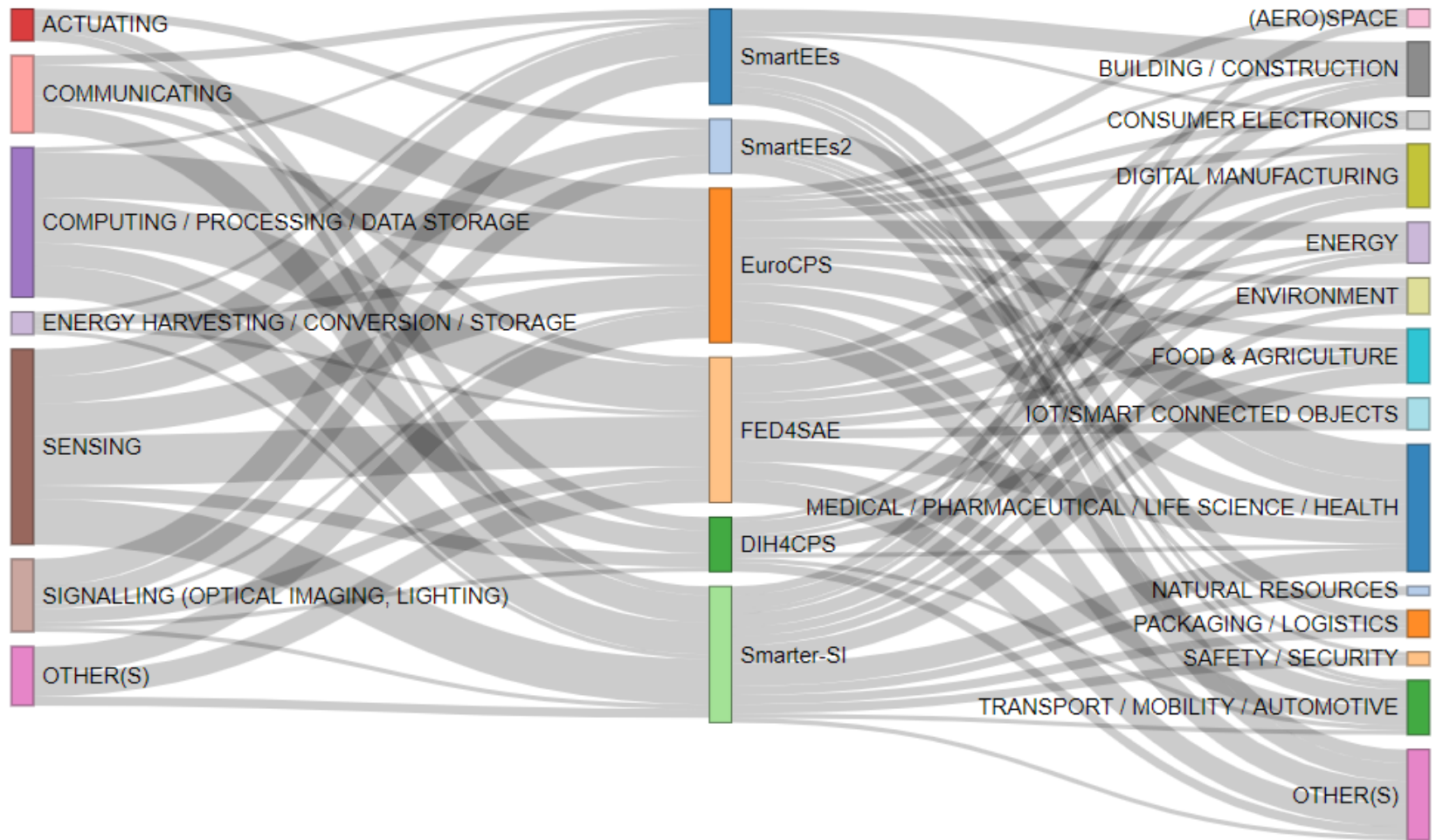
Sectors

Agrifood	Automotive	Construction	Creative industry	Health	Public sector	Life sciences	Logistics	Manufacturing	Maritime	Mobility	Skills	Social care	Sustainability	Tourism	Energy
64	20	29	19	80	105	16	38	139	24	57	86	6	66	26	32

- **27 countries** have preselected their candidate entities
 - 26 Member States + Norway
- **331 EDIH candidates** pre-selected by the countries

(240 to be funded)

Applications



SAE Capabilities



Application Experiments data : SmartEEs / SmartEEs2 / EuroCPS / FED4SAE / DIH4CPS / Smarter-SI / DIATOMIC / DigiFed / SMART4ALL / BOWI / GATEONE

CPS & CLEC

	AERO/SPACE	BUILDING / CONSTRUCTION	CONSUMER ELECTRONICS	DIGITAL MANUFACTURING	ENERGY	ENVIRONMENT	FOOD & AGRICULTURE	IoT/SMART CONNECTED OBJECTS	MEDICAL / PHARMACEUTICAL / LIFE SCIENCE / HEALTH	NATURAL RESOURCES	PACKAGING / LOGISTICS	SAFETY / SECURITY	TRANSPORT / MOBILITY / AUTOMOTIVE	OTHER(S)	Total
ACTUATING	0	1	0	3	0	0	2	1	2	0	1	0	0	0	10
COMMUNICATING	0	1	1	4	1	3	3	11	5	0	2	0	6	2	39
COMPUTING / PROCESSING / DATA STORAGE	2	1	2	9	6	5	9	9	10	0	2	1	10	12	81
ENERGY HARVESTING / CONVERSION / STORAGE	0	0	0	0	3	0	1	0	0	0	0	0	1	0	5
SENSING	0	3	0	7	1	6	9	6	7	0	0	0	1	4	45
SIGNALLING (OPTICAL IMAGING, LIGHTING)	0	1	1	2	0	0	4	2	4	0	0	0	3	0	17
OTHER(S)	2	1	0	2	3	0	0	2	1	0	0	0	4	8	23
Total	4	8	4	27	14	14	28	31	38	0	5	2	28	23	10

SSI

	AERO/SPACE	BUILDING / CONSTRUCTION	CONSUMER ELECTRONICS	DIGITAL MANUFACTURING	ENERGY	ENVIRONMENT	FOOD & AGRICULTURE	IoT/SMART CONNECTED OBJECTS	MEDICAL / PHARMACEUTICAL / LIFE SCIENCE / HEALTH	NATURAL RESOURCES	PACKAGING / LOGISTICS	SAFETY / SECURITY	TRANSPORT / MOBILITY / AUTOMOTIVE	OTHER(S)	Total
ACTUATING	0	0	0	1	0	0	2	1	3	1	0	1	0	0	9
COMMUNICATING	2	2	1	6	1	2	2	3	2	2	2	1	0	0	28
COMPUTING / PROCESSING / DATA STORAGE	2	2	1	6	1	2	7	8	8	2	2	2	1	0	44
ENERGY HARVESTING / CONVERSION / STORAGE	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
SENSING	2	3	1	6	2	2	10	10	8	2	2	2	1	0	48
SIGNALLING (OPTICAL IMAGING, LIGHTING)	0	0	0	1	0	0	0	0	2	0	0	0	0	0	3
OTHER(S)	0	0	0	3	0	0	0	1	1	0	0	0	0	1	6
Total	6	7	3	24	4	6	32	22	26	7	6	7	3	1	9

OLAE/FWE

	AERO/SPACE	BUILDING / CONSTRUCTION	CONSUMER ELECTRONICS	DIGITAL MANUFACTURING	ENERGY	ENVIRONMENT	FOOD & AGRICULTURE	IoT/SMART CONNECTED OBJECTS	MEDICAL / PHARMACEUTICAL / LIFE SCIENCE / HEALTH	NATURAL RESOURCES	PACKAGING / LOGISTICS	SAFETY / SECURITY	TRANSPORT / MOBILITY / AUTOMOTIVE	OTHER(S)	Total
ACTUATING	0	0	0	0	0	0	0	2	0	0	0	1	0	0	3
COMMUNICATING	0	0	2	0	0	0	0	4	0	3	0	0	1	0	10
COMPUTING / PROCESSING / DATA STORAGE	0	0	0	0	0	0	0	3	0	1	0	0	0	0	4
ENERGY HARVESTING / CONVERSION / STORAGE	0	2	0	0	0	0	0	3	0	1	0	0	1	0	7
SENSING	0	1	1	0	0	1	0	0	1	1	0	8	0	0	13
SIGNALLING (OPTICAL IMAGING, LIGHTING)	0	3	1	0	0	0	0	6	0	2	0	2	2	0	16
OTHER(S)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	6	4	0	0	1	0	0	8	1	3	12	0	0	3

☐ Main functionality(ies) depending on KDT area

☐ Cross-sectoriality

CPS & CLEC > SSI >> OLAE/FWE

Sectors and Technologies



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Sectors

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Strategic Recommendations?



No specific SAE program in future

- SAE has wide coverage of disciplines, e.g. IoT, CPS, OLAE, SSI
- SAE technologies ubiquitous across application domains

What recommendations would you make to the Commission?

- SAE – rebrand? Value proposition?
- Which Digital/Horizon Europe programmes do you see most linkage with?
 - KDT – Microelectronics/Photonics/CPS
 - NGIoT and Edge computing
 - HPC, etc.