

The Digital Innovation Hub

dedicated to

Organic and Large Area Electronics (OLAEs)



SmartEES – at a glance



Innovation Action: Call: ICT- 04-2017

Number of partners: 10 partners from 8 EU countries

Grant: 4.5M€

Duration: 36 months

Expected results: 20 Application Experiments (AEs)

2.8 M€ (62% of the grant)

5 cut-off dates: March 18

July 18

Nov. 18

Apr. 19

Sept. 19



SmartEES – at a glance



4 technology applications

- Organic photovoltaics
- Flexible displays
- OLED Lighting
- Electronics components & Integrated Smart Systems

Bringing Flexible Electronic Products to life









10 market sectors of application

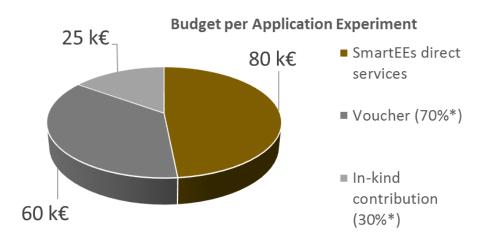
Automotive		Logistics	+
Building & architecture	l	Medical & pharmaceutical	\bigotimes
Consumer electronics	مِيْ	Packaging	
Energy		Printing & graphic arts	%
Lighting	_	Textile & fashion	*



Budget at Application Experiment level



- Access to 140 k€ worth support:
 - √ 80 k€ worth direct services
 - √ 60 k€ of voucher (70%*)
- 25 k€ in-kind contribution from the third party company (30%*)
- Total budget of 165 k€



(*) H2020 funding rules for Private Companies



Direct Services



50 k€ worth of <u>technical services</u> giving access to flexible electronics technologies and their integration into functional product demonstrators

■ 30 k€ worth of <u>non-technical services</u> preparing business plan and

scaling up

	Management of product development				
Product development	IP management				
	Supply chain development and management				
	Business case validation				
Business support	Market validation - voice of the customer				
	Unique value proposition and business model definition				
	Business model development				
	Validation of business plans				
Access to finance	Sourcing public funds				
	Private investment				



Voucher



60 k€ allocated to third party services

Table 2: SMARTEES Third Party profiles & commitment to Application experiments

Main third party

Other third parties

	THIRD PARTY	COMMITMENT AND ROLE IN SMARTEES
У	SME or mid-cap Innovative Companies (ICs)	Bringing in Product Concept ideas to generate functional demonstrators at TRL 6 & business model to open up new business opportunities
_	Suppliers of ICs for designs, materials, components, equipment, and system-level integration processes.	Delivering services and developing parts and processes for fabrication of the functional demonstrators at TRL 6
	Suppliers of ICs for testing and validation services	Delivering services and developing methodologies for testing and validation of the functional demonstrators in TRL7 conditions
,	(Future) customers (end-users) of ICs' products	Providing product requirements and feedback about the functional demonstrators and business cases

Funding synergies



- Commitment in SmartEEs to link at least two Application Experiments (/20) with structural funds. One AE in Western Europe. One AE in Eastern Europe.
- Discussion being opened with S3P to share information and competencies to link application experiments with structural fund opportunities.

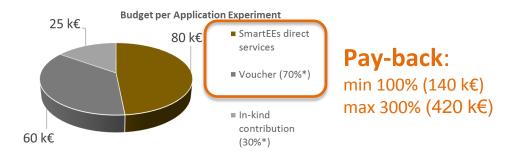




Pay-back conditions on succesfull experiments



- Payback conditions for Innovative Companies succeeding in the commercialization of products launched during the exploitation phase of SmartEEs (beyond the Application Experiment).
- These conditions will be fair and limited to the IC income associated to the SmartEEs-enabled products. For instance, payback would occur only in case of product sales and be limited in time, typically 3-5 years.
- These conditions will be stated inside the Service Delivery Agreement, before the Application Experiment actually starts.





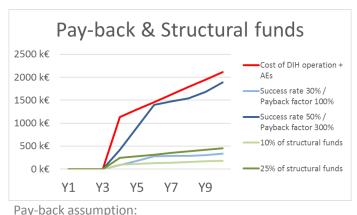
SmartEEs financial model outline (1/2)

	SMARTEES		BEYOND							
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10
Application Experiments (AEs)										
Number of	6	7	7	7	8	9	10	11	12	13
Increase per year	-	17%	0%	0%	14%	13%	11%	10%	9%	8%
Cummulative number of	6	13	20	27	35	44	54	65	77	90
Expenses										
Investment in the marketplace	310 k€	310 k€	300 k€	-	-	-	-	-	-	-
Cost of AEs	840 k€	980 k€	980 k€	980 k€	1120 k€	1260 k€	1400 k€	1540 k€	1680 k€	1820 k€
DIH operational cost	260 k€	260 k€	260 k€	156 k€	178 k€	201 k€	223 k€	245 k€	267 k€	290 k€
(assumption of overall operational cost proportional to AE # and							E#and			
				reduced by 40% by end of SmartEEs)						
(Y1-Y3) INCOME										
H2020 - ICT-04-2017 (4.5 M€)	1410 k€	1550 k€	1540 k€							
				_						
Balance	0 k€	0 k€	0 k€	1136 k€	1298 k€	1461 k€	1623 k€	1785 k€	1947 k€	2110 k€

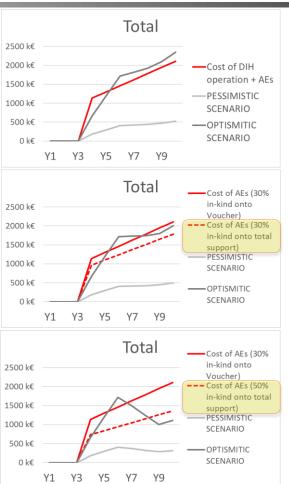


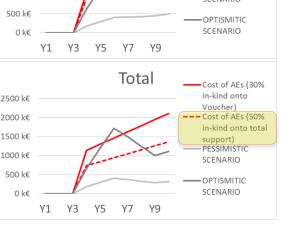


SmartEEs financial model outline (2/2)

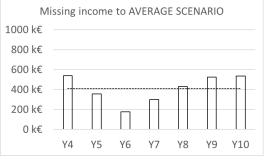


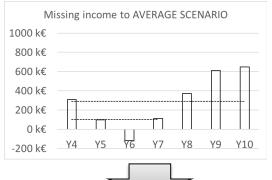
starts 2 years after AE completion & spread on 3Y











Continuity Plan M19-M36



