

Open Federated Testbeds: with focus on 5G/SDN/NFV/MEC 2nd workshop with IEEE SDN initiative-EIT Digital

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WRAP UP &

NEXT STEPS



SDN Initiative Background





Goal/Mission

- Foster growth and development of Software-Defined Networks (SDN), Network Functions Virtualization (NFV), Cloud-Edge-Fog Computing as key technologies for Network Softwarization
- Promote a systemic vision addressing the socio-economic transformation of ICT and Telecom Ecosystems also encompassing skill development, policy, ethics.



Opportunities





for Humanity

- Provide an open, collaborative and rich environment to develop Key Innovative Products / Service
- For Operators: safe open innovation forum to engage with leading edge innovators and keep up with latest technology innovation
- For Equipment Vendors: unique collaboration platform with operators and innovators
- For Startups: rich engagement platform with leaders in networking infrastructure

Foster growth and development of SDN, NFV, Cloud-Edge-Fog Computing as key technologies for Network Softwarization

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Two Trusted Independent Third Party Organizations





- IEEE: 400,000 members across the world
- EIT Digital: Largest European Open Innovation organization in Digital Technologies
- Expertise and Collaboration





Community Infrastructure





- One destination
 Virtual Lab to Open Federated Testbeds
- Phase 1: PORTAL & WIKI catalogue
- Phase 2 Orchestration, control, management, policy across testbeds
- Phase 3 Access to Local and Global Community Resources









	SOFTWARE DEFINED NETWORKS	100 X NETWORK OPERATORS & SERVICE PROVIDERS			100 X GLOBAL EQUIPMENT VENDORS	SMB, ENTREPRENEUR, STARTUPS (& THEIR INVESTORS)	GOVERNMENT ACADEMIA
	Open Federated Testbed	Business Units/Prod uct Marketing	Operations	Strategy & Research	Compute Storage Networking Chipsets	Open Source & Commercial Markets	Regional National International
	Managed by Two Trusted Independent Third Parties	V	V	V	V	V	V
Trusted Independent Third Parties Targeted Testing: Curated Insight into Wide Range of Testbeds Access to Wide Networks of Local Cost Efficient Cost Percent Reference Efficient						ds and Labs	
			Cost Efficiency			Access to Market & Access to Finance	Public Private Partnerships
	Validation	 Blind Spots Big Bets Product/ market fit 	De-risking deployment	Influence + Credibility of Strategic & Research Options	New Products Roadmap Alignment with Operators	Scaling: From prototype to productizing	Future Job Skills & Education
	Economic Impact	Optimized Service Portfolio & Margin	Reduction Testing Cycle & Costs	Return on Assets	Revenue New Products & Services	 Funding Lower Barrier of Entry Growth Acceleration 	Job Creation, Global Connectivity, Competitiveness Impact on Society



Potential Members

- Founding Members
- Associate Members
- Enterprise > \$2M
- Startup <\$2M

Number of participants/Projects					
		Year 1	Year 2	Year 3	
Openstons	Founding Member	2	8	12	
Operators	Associate Member	2	12	25	
Vendors	Founding Member	2	8	12	
	Associate Member	2	12	18	
	Founding Member	2	20	30	
	Associate Member	2	30	45	
Enterprise	Testing	10	60	90	
	Certification	3	15	23	
Startup	Certification	20	50	100	

- Academia
- Government





Program

Sustainability model = annual fee

	Founding Member	Associate Member	Startup Government Academia	Non Members
Advisory Board	V			
Annual Workshop & Events	Main Sponsor/ Speakers	Speakers	Invited Guests / Speakers	
Testing & Catalog Access	Unlimited	Unlimited	Unlimited	Up to 10 per year
Certification	Unlimited	Up to 10 per year	Fee per project	Fee per project
Searchable Project Directory	V	•	V	
Research Paper	V	~	V	V

