

H2020-ICT-2014-2, 5G PPP

Edge-as-a-Service (EaaS)

“Virtualizing the Access”

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TSSG

Leaders *in* Research & Innovation

Who are we, what can we provide and what are we looking for?



Waterford Institute of Technology
MÁIÚDÓ TICEOLAIOCHIA PHOIR LÁRGE



Research in Wireless Mobile
Programmes (2007 - 2012)
is funded by the Irish Government
and the European Union



ENTERPRISE
IRELAND

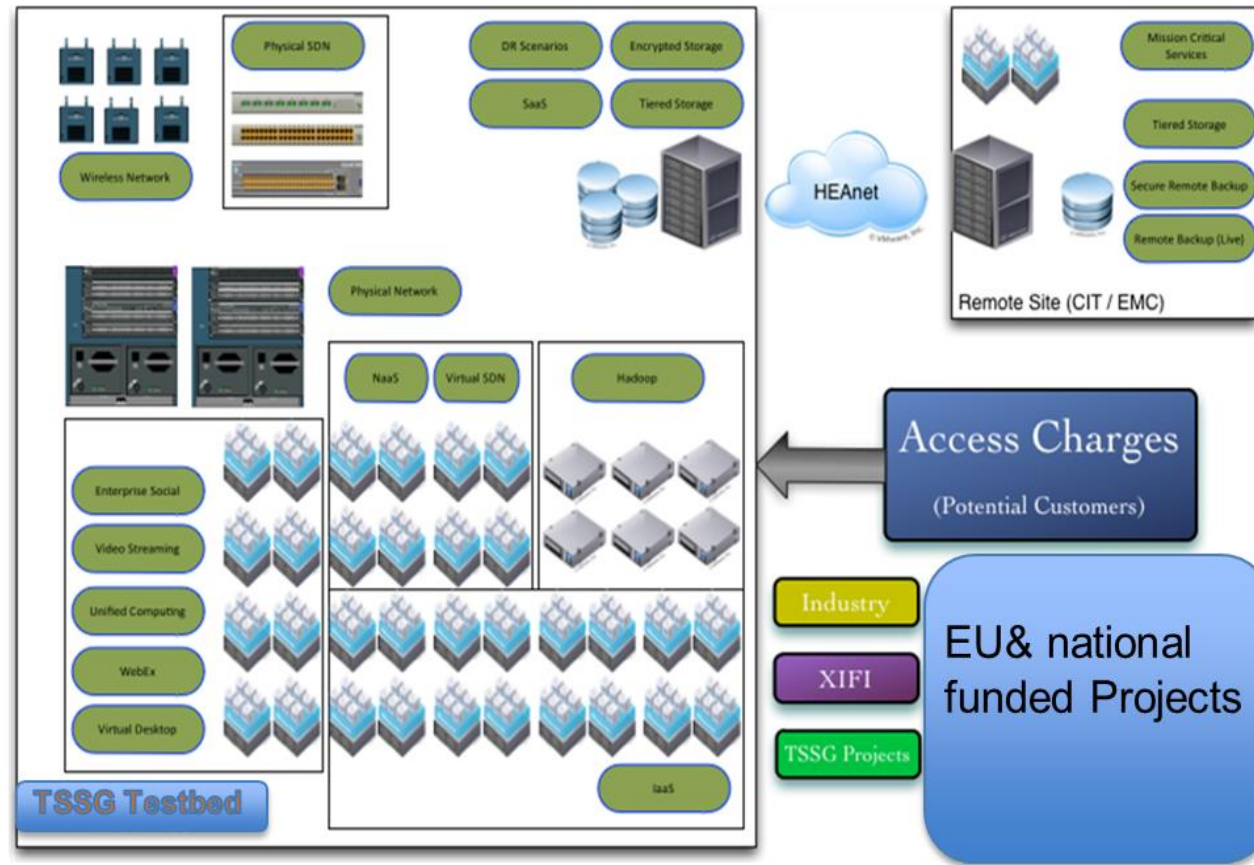


HEA
Higher Education Authority
An tArd-Chomhairle na h-Éireann



Experimental Infrastructure Toward 5GPPP

- Deploying SDN Solution for 5G
- National Infrastructure available



TSSG Experiences in Virtual Networking and Network Management

- Personal Expertise – Some Published Papers*
 - Relevant Funded Projects:
 - AUTOI Project : Autonomic Internet
 - 4WARD Project : For Future Networking
 - EFIPSANS Project: Autonomic Project on IPv6
 - FAME Project: National Funded Projects
 - Other Research Interests:
 - Cognitive Network Management topics: "Autonomics & SDN"
 - Contacts: William Donnelly: wdonnelly@tssg.org, Brendan Jennings: bjennings@tssg.org & Martin Johnsson: mjohnsson@tssg.org
- Davy, S.; Serrat, J.; Astorga, A.; Jennings, B.; Rubio-Loyola, J., "Policy-assisted planning and deployment of virtual networks," Network and Service Management (CNSM), 2011 7th International Conference on , vol.,no., pp.1,8, 24-28 Oct. 2011
- Davy, S, et al, "Challenges to Support Edge-as-a-Service", Communication Magazine, IEEE, Volume:52, Issue:1, Pages:132-139, 2014

Edge-as-a-Service

Problem Statement

- Demand for higher capacity broadband network ..urging deploying of multiple types of access networks.
- Operater Modernize their Infrastructure to keep CAPEX & OPEX under control

Proposal

- VASI : Service Provider to gain programmatic & virtualized access to network provider's resources
- Network sharing of fixed & wireless..reduce cost

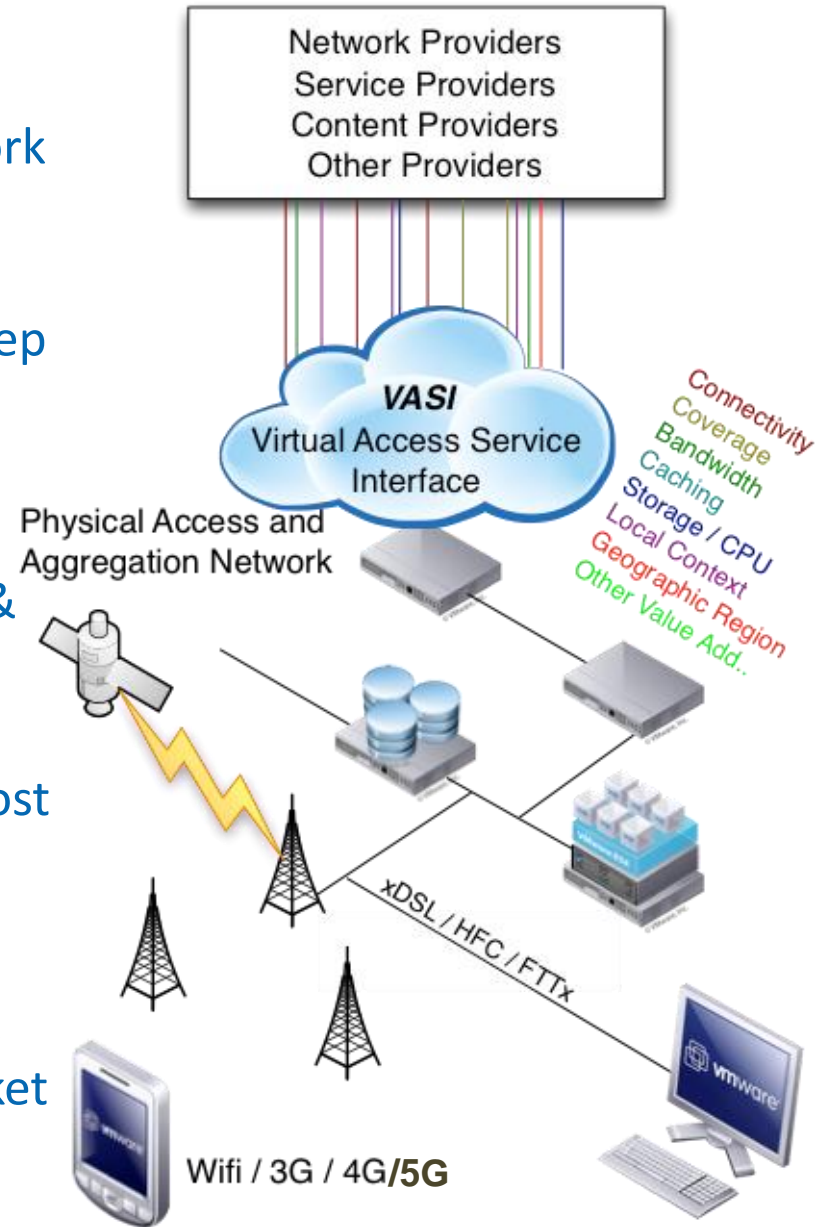
Objectives

- Proof of feasibility of Technology & Demonstration of field, Validation Scalability...
- Assisting Business Models and Routes to Market

Expected Outcome

- Open Source Platform & SLA

Perspective of the Edge-as-a-Service Provider



Edge-as-a-Service Platform: *what are we looking for?*

- This Innovation Strand proposal is actively looking for:
 - Industry, esp. SMEs, to collaborate and extend this technology;
 - Communications providers and operators to trial the technology in the long run.

Thank You

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