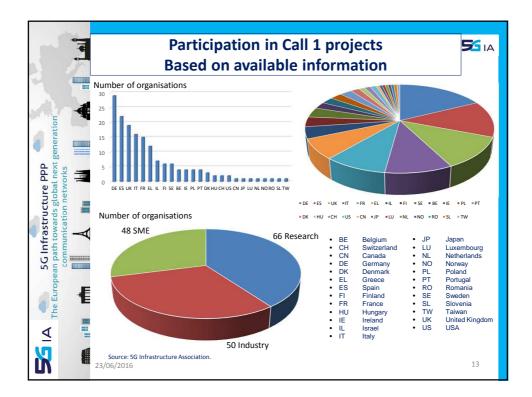
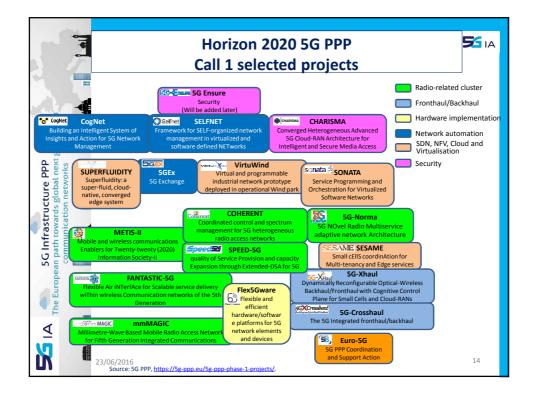
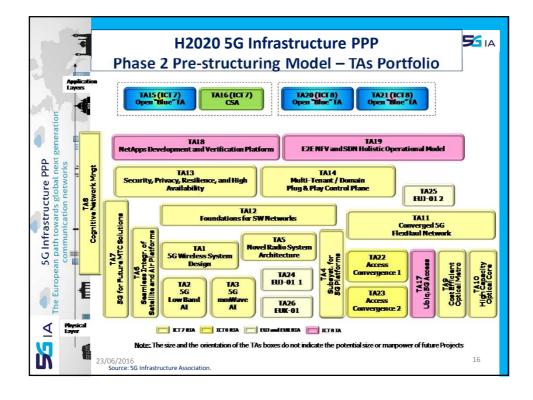


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Horizon 2020 5G PPP Call 2 objectives 148 million € Funding				
<ul> <li>ICT-07-2017: 5G PPP Research and Validation of critical technologies and systems</li> <li>ICT-08-2017: 5G PPP Convergent Technologies</li> <li>Call 2: Opening May 10, 2016, Closing November 8, 2016</li> </ul>				
<ul> <li>Wireless access and radio flip network architecture/ technologies</li> <li>Novel air interface technologies, neurements (low rate sensors including mission critical M2M to very high rate H0/3D TV and immersive services, supporting local and wide area systems), enabling usage of frequency ands above 6 GHz</li> <li>Hardwar architectures technologies and building blocks</li> <li>Radiol Network functional architectures and interfaces leading to vision / reference architecture for SG</li> <li>Co-operative operation of heterogeneous access networks, including broadcast/multicast (terrestrial and satellite based) and supporting SDN and virtualization</li> <li>Multi-tenancy for Radio Access Network (RAN) sharing</li> <li>Integration of Satellite Networks to support ubiquitous coverage, resilience, specific markets</li> </ul>	gh capacity elastic - So trican networks Support very high traffic and capacity increase originating from an (SG) heterogeneous access networks with matching capabilities from the core and metro environments, at ever increasing speeds and in more flexible and adaptive form New spectrally efficient, adaptive transmission, networking, control and management approaches to increase network capacity by a factor of >100 while at the same time providing high service granularity, guarantees for end-to-end optimization and CdS - reducing power consumption footprint and cost per bit ana maintaining reach integration of new optical transport and transmission designs with novel network control and management paradigme (eg. SDN) are expected to enable programmability	ftware Networks	Ubiquitous 5G access FI leveraging optical technologies SG access networks have to dramatically grow in user capacity, quality of service, responsiveness, energy efficiency and number of connected devices while keeping a sustainable cost To develop and assess new optical access network solutions based on integrated optical device prototypes Co-operative radio-optical approaches are seen as very promising, also to cover intelligent interference cancellation tinterference cancellation tinterference cancellation of the optical and wireless of the optical and wireless interfarence cancellation of the optical and wireless of the optical and wireless scalable demonstrators validated through typical usage scenario	evide network applications Everging current intense research attivities in relation to Virtusias program of the evidence of the program of the evidence of the providers should be able to assemble virtualised SG functions as network approximations of the information of the evidence of the providers should be able to assemble virtualised SG functions as network approximations of the the relevant network nodes, to assemble virtualised SG functions are structure, to deploy them in the relevant network nodes, to assemble virtualised SG infortuncture, supporting networks are structure, supporting networks are structure, supporting the relevant network nodes, to services resources to provides to approximation of the structure, and provides the link between the thetwork - terminal functions and the sup content providers towards and and stelepoments.



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