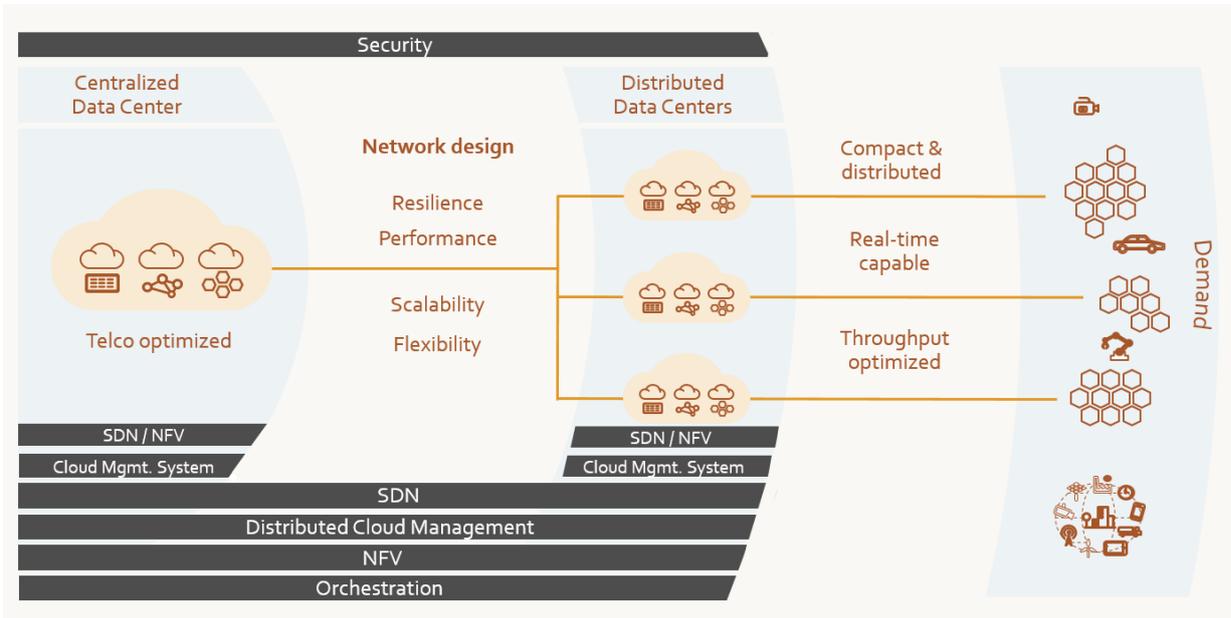


DATE-PLANETS is to quantify the increased vulnerability to cyber-attacks due to the softwarization. Therefore, new automatic security

the next generation mobile Internet (5G), where distributed data center environments will play an important role. The results will help

tive technologies like Network Functions Virtualization, the unification of IT and telecommunication and applying new security



mechanisms are developed, which ensure aligned security mechanisms of IT and network hardware with software. In addition, mechanisms for real-time measurements of security levels will be developed for enabling a distributed cloud security management and – orchestration.

Main results

The project results will be the basis for concepts and products for

to flexibly distribute network functions between micro PoPs, edge-, and core-clouds depending not only on the load, but also on service demands and security aspects.

Impact

As we are currently facing major changes in the telecommunication industry, the results of SENDATE-PLANETS will pave the way to tomorrow's telco clouds. Innova-

concepts to future networks can also bring opportunities for the European society and industry including SMEs. The investigation and realization of new concepts that result in flexible, highly efficient, and secure networks will lead to a significant advantage for Europe and will boost the development of all competing industries. This is not restricted to the telecommunication and IT sectors, but covers also for “verticals”, such as Industrial Internet, machinery construction, and the automotive sector.

About Celtic-Plus

Celtic-Plus is an industry-driven European research initiative to define, perform and finance through public and private funding common research projects in the area of telecommunications, new media, future Internet, and applications & services focusing on a new „Smart Connected World“ paradigm. Celtic-Plus is a EUREKA ICT cluster and belongs to the inter-governmental EUREKA network. Celtic-Plus is open to any type of company covering the Celtic-Plus research areas, large industry as well as small companies

or universities and research organisations. Even companies outside the EUREKA countries may get some possibilities to join a Celtic-Plus project under certain conditions.

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