# **Novel Enablers for Cloud Slicing**



## **Project Target**

A novel solution based on resource virtualization - Lightweight Slice Defined Cloud (LSDC) - as an approach for automating the process of optimal cloud configuration by extending the virtualization concept to all resources in a data centre and by providing a uniform management with a high-level of autonomicity for the currently separated computing, connectivity, and storage resources.

Characteristic 1 - It presents a new service model - the *Slice-as-a- Service*.

Characteristic 2 - It enables the configuration of slices across the physical resources in the cloud networking infrastructure.

comprises the cloud environment – from the networking between virtual machines, to the SLAs of the hosted applications - to be managed via software.

Characteristic 3 - It allows each aspect that Characteristic 4 - It utilises lightweight and uniform management and virtualisation systems, with small footprint components, deployable on large number of small servers and clouds at the network core and edges.

### Slice-as-a-Service



## Use Cases



## **NECOS Framework / Platform**

### **NECOS Architecture Overview**





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