Although the concept of Micro and Nano Data Centers (DCs) has been proposed to deliver more efficient as well as sustainable Utility Computing (UC) resources, the questions of where deploying and how federating thousands of such facilities are still far from being solved and the current trend of building larger and larger DCs in few strategic locations still prevails.

The DISCOVERY initiative proposes to directly deploy the concept of Micro/Nano DCs upon the network backbones in order to benefit from existing network centers, starting from the core nodes of the backbone to the different network access points in charge of interconnecting public and private institutions.

BELOW CHOSE ONE PARAGRAPH:

This involves radical changes in the way resources are managed, but leveraging computing resources around the end-users will enable to deliver a new generation of **highly efficient and sustainable** UC platforms, thus providing a strong alternative to the actual UC model based on mega DCs (i.e. DCs composed of tens of thousands resources).

By such a mean, network and UC providers would be able to mutualize resources that are mandatory to operate network/data centers while delivering widely distributed UC platforms being able to better match the geographical dispersal of users.