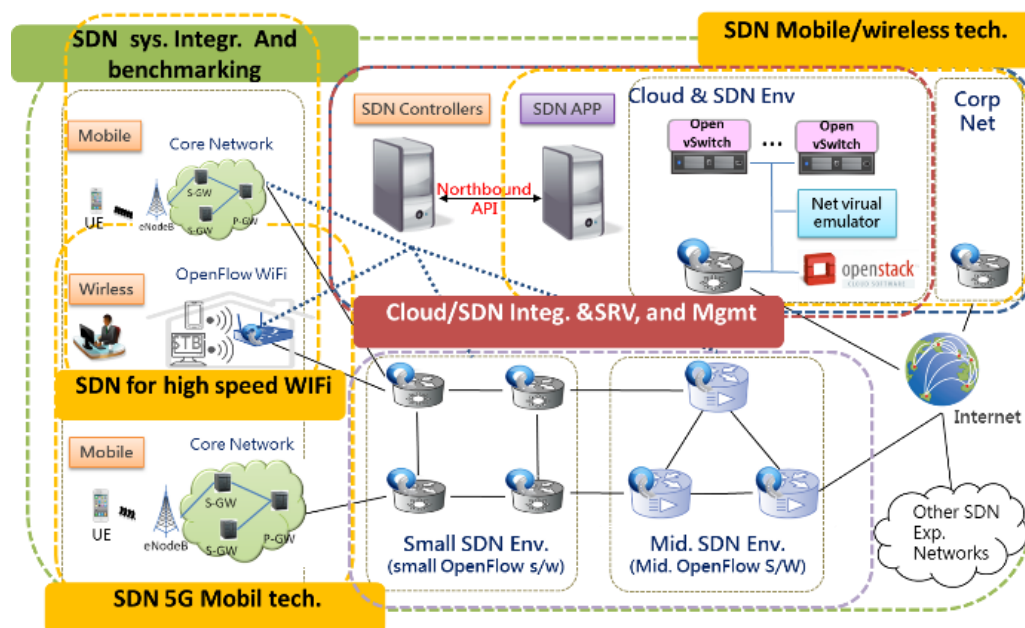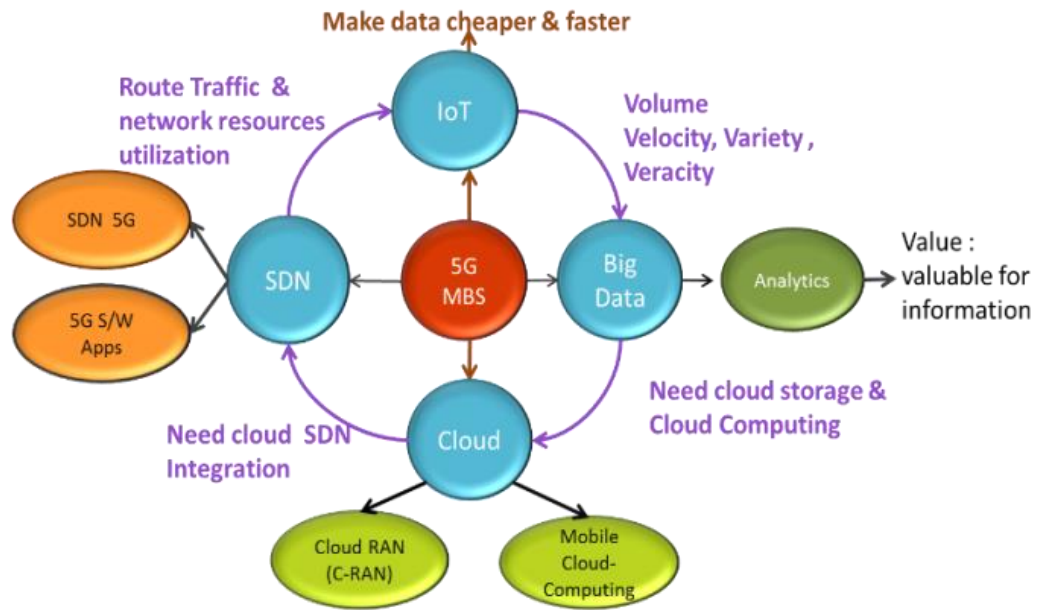## 5G 研究內容與成果-5G 在未來物聯網(IoT)、巨量數據(BigData)、雲端(Cloud) 、軟體定義網路(SDN)所扮演角色之研究

The fast technology development of 5G mobile broadband (5G), Internet of Things (IoT), Big Data Analytics (Big Data), Cloud Computing (Cloud) and Software Defined Networks (SDN) has made those technologies one after another and created strong interdependence among one another. For example, IoT applications that generate small data with large volume and fast velocity will need 5G with characteristics of high data rate and low latency to transmit such data faster and cheaper.　　On the other hand, those data also need Cloud to process and to store and furthermore, SDN to provide scalable network infra-structure to transport this large volume of data in an optimal way.　　This article explores the technical relationships among the development of IoT, Big Data, Cloud, and SDN in the coming 5G era and illustrates several compelling applications　based on the converging of those technologies.

Applications of SDN & Cloud in 4G/LTE & 5G Wireless Networks

Technical Relationships among 5G & IoT, Big Data, Cloud, and SDN