## **5G Smart Networks: Network Slicing**





**Solution**: **network slicing** — separating user types virtually, using software



✓ Allocate different network resources to each 'slice', depending on requirements

## Network slicing: current research challenges

1. Network: complex & constantly changing

2. User data: **not available** due to privacy laws



3. Network resources: limited

Existing methods of sharing resources between slices are **slow** and **inaccurate**:



Possible solution: using machine learning techniques to allocate resources better