

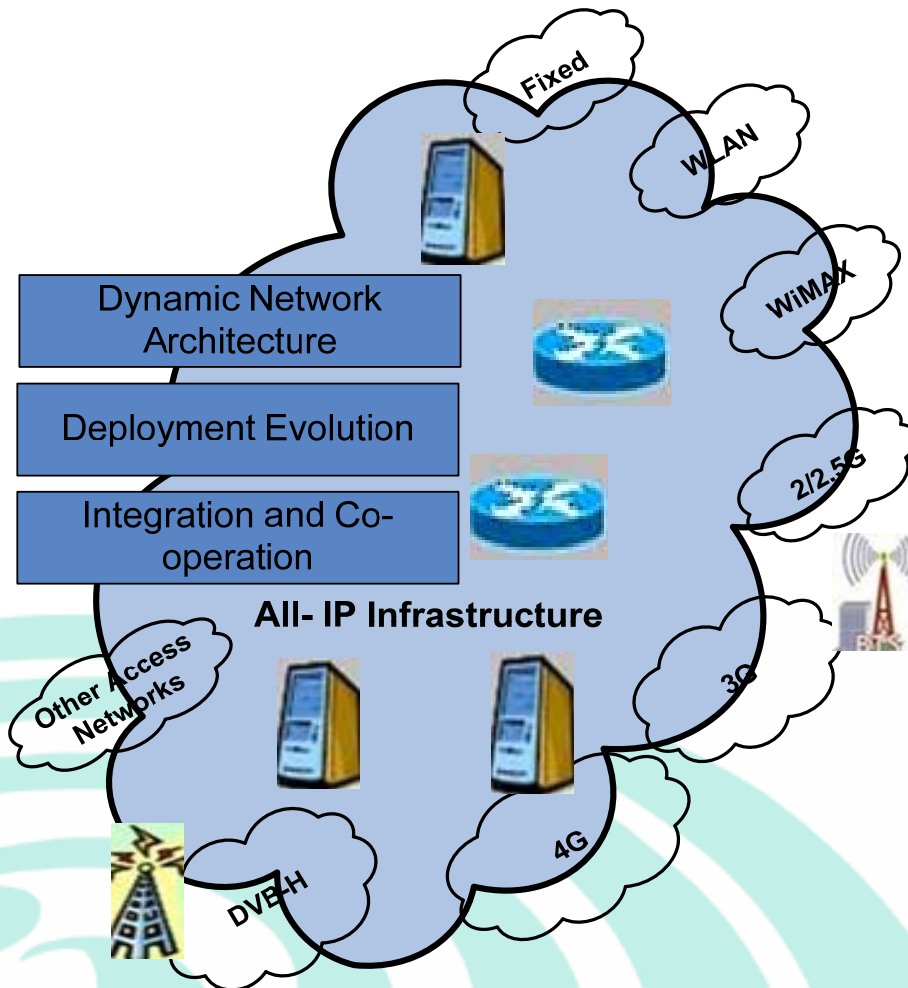
Cross Issue "Migration"

Eiman Mohyeldin / Ludwig Hiebinger
Nokia Siemens Networks GmbH&Co KG



- Facilitation of efficient spectrum usage among different stockholders (including coexistences and inferences minimization)
- Define a common scenarios and use cases for migration and transition from legacy RAN to dynamic radio network and WINNER radio network
- Define a scaleable radio network that encompass all technologies and facilitate the migration through defining strategies for smooth transitions
- Define dynamic radio network architectures that allow the co-existence of legacy and future networks, both infrastructure based and infrastructure less
- Define policies to enable efficient resource usage
- Introduction of new technologies in the market and in the new frequency bands
- Defining strategies for Integration and cooperation with existing technologies that support the usage of existing bands (e.g. refarming) and reuse of infrastructure and cell sites
- Define ownerships allowing efficient use of resources
- Identification of key deployments evolution/strategy of incremental deployment in the different WWI
- Facilitation of adaptive shaping of the radio environment and smooth traffic change without services interruption

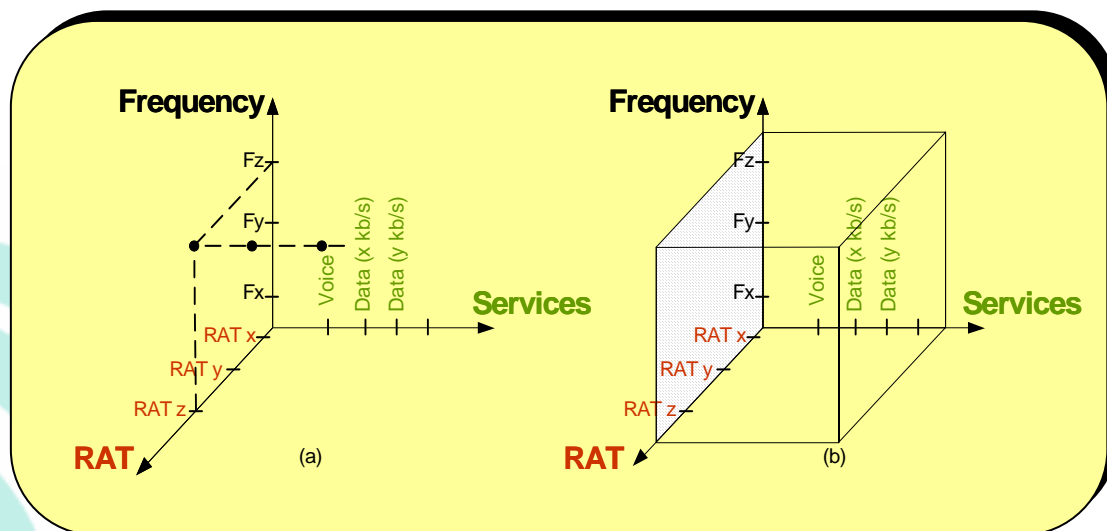
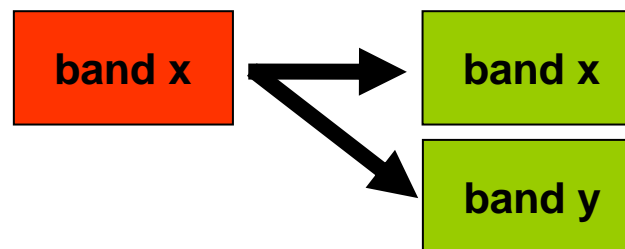
Technologies:



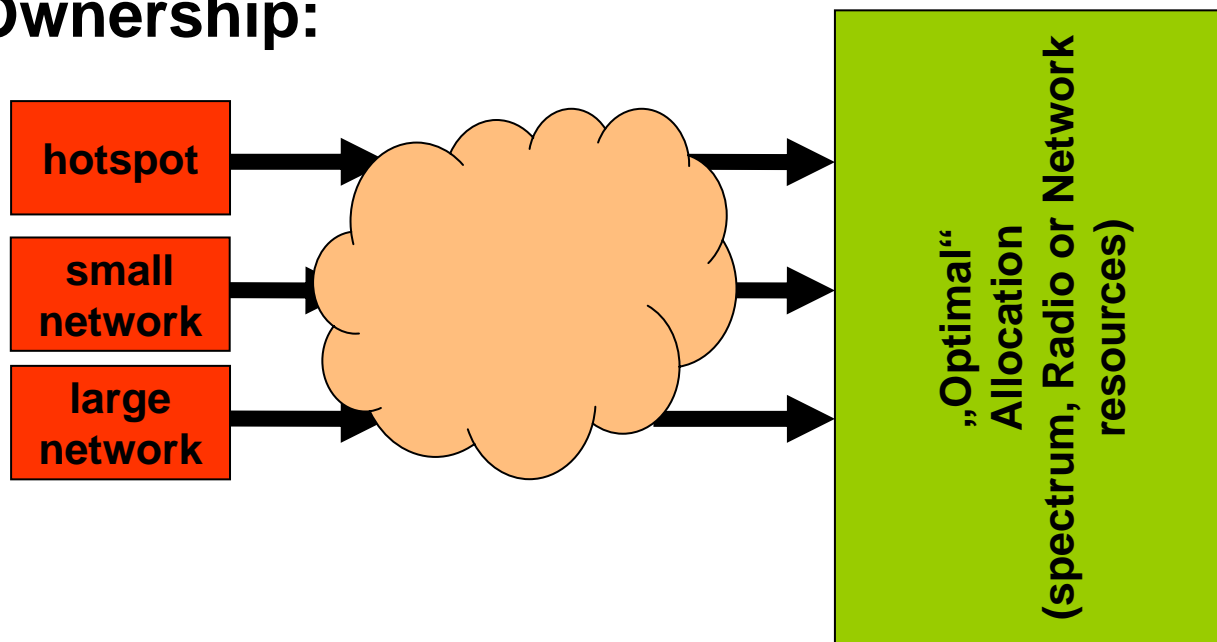
- Introduction of new technologies in new frequency bands and in the market by migrating old systems
- Integration and cooperation with Legacy RATs

Spectrum:

- Any band
- Any RAT
- Migration through reconfigurability
- Efficiency driven resource usage (i.e. spectrum, radio-, network-resources)



Ownership:



- different kinds of ownership have different priorities (price, capacity, CAPEX, OPEX)
- Policy driven assignment

