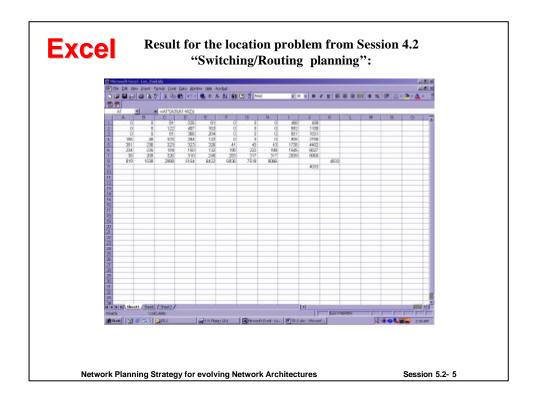
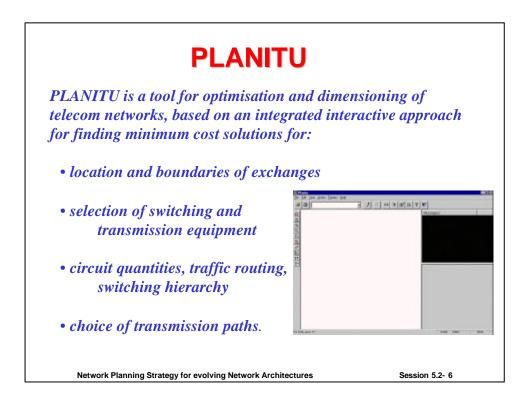
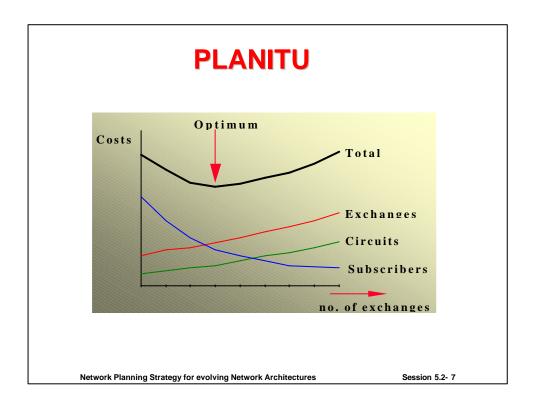
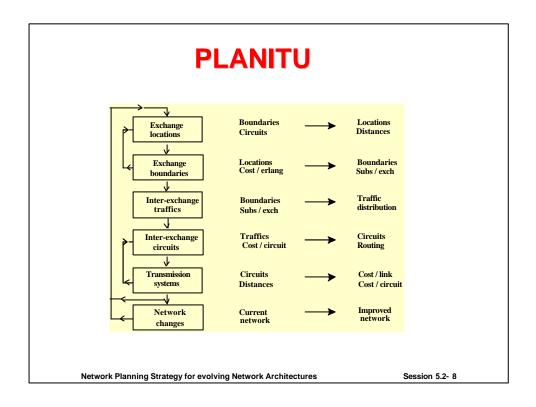


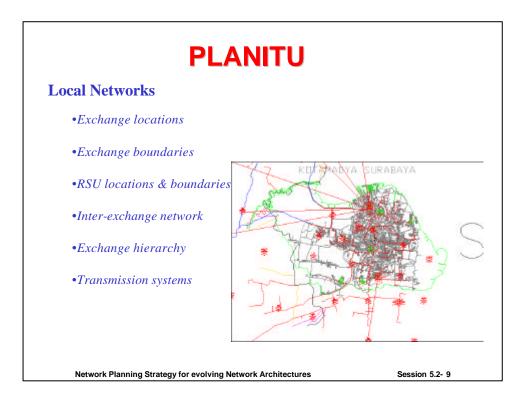
Excel	Example for the location problem from Session 4.2 "Switching/Routing planning":	
R1 = 81 + 326	+ 81 = 488	S1 = R1 = 488
R2 = 122 + 407 + 163 = 692		S2 = S1 + R2 = 1180
$\mathbf{R3} = 81 + 366 + 204 = 651$		S3 = S2 + R3 = 1183
$\mathbf{R4} = 156 + 40 + 323 + 284 + 122 = 925$		S4 = S3 + R4 = 2756
R5 = 391 + 230	6 + 323 + 323 + 326 + 41 + 43 + 43 = 172	S5 = S4 + R5 = 4482
R6 = 234 + 235 + 194 + 150 + 132 + 190 + 222 + 188 = 15		1545 S6 = S5 + R6 = 6027
R7 = 38 + 208 + 326 + 310 + 240 + 283 + 317 + 317 = 2611		
		S7 = S6 + R7 = 8638
$\mathbf{S}_{\mathrm{TOT}} = \mathbf{S7}$		
$S_{Y} = S_{TOT}/2 =$	8638/2 = 4319	
Network Planning Strategy for evolving Network Architectures		Session 5.2- 4

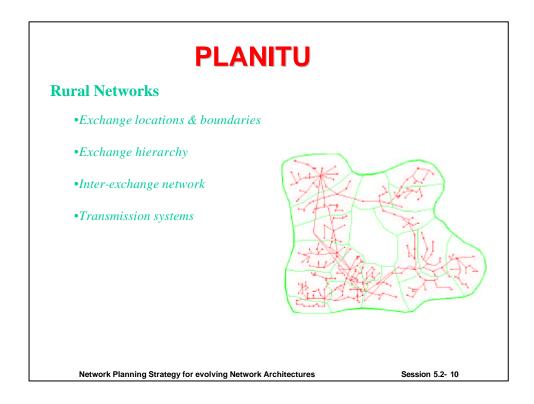


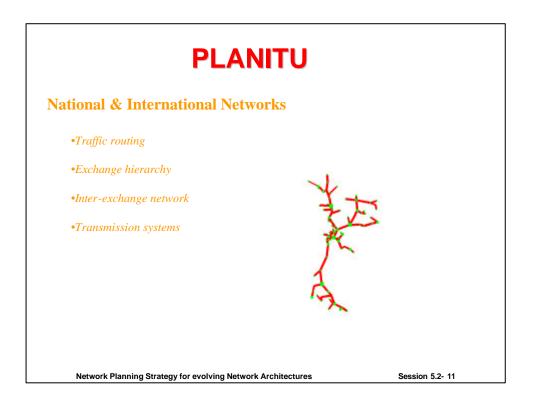


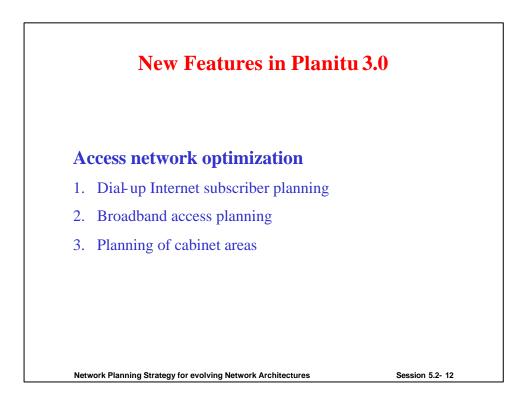


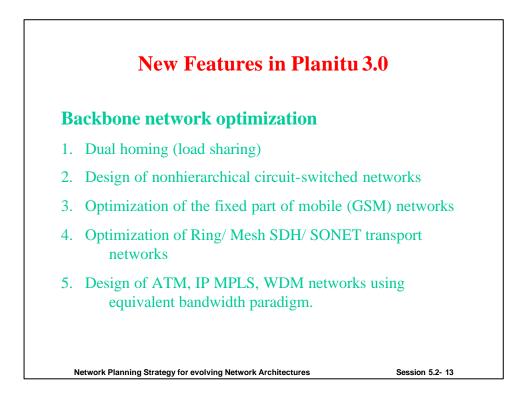


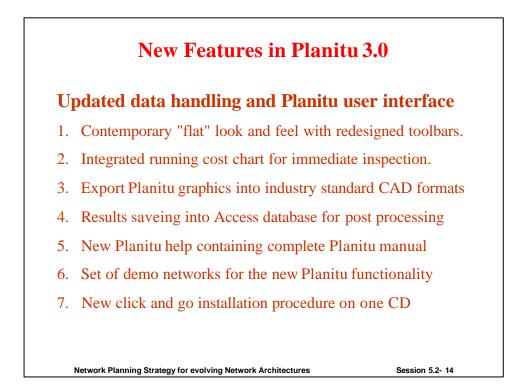


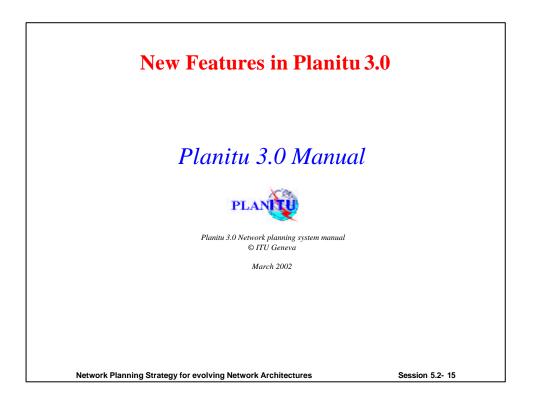


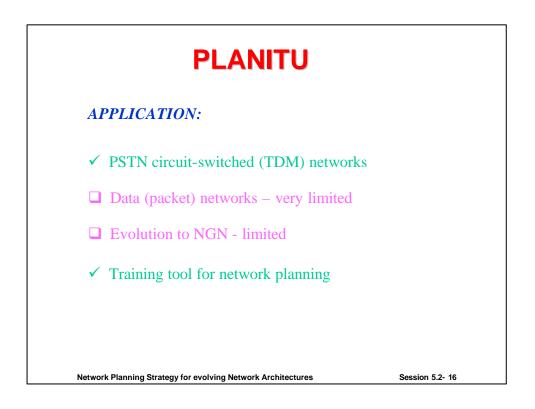


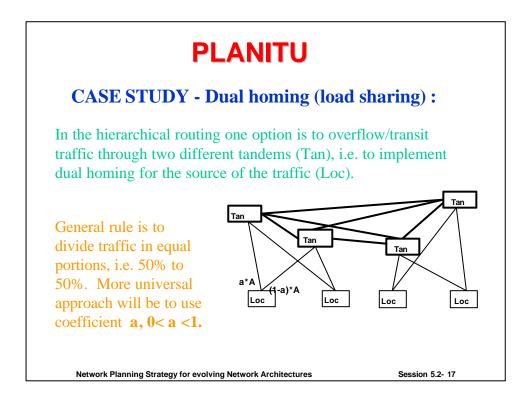


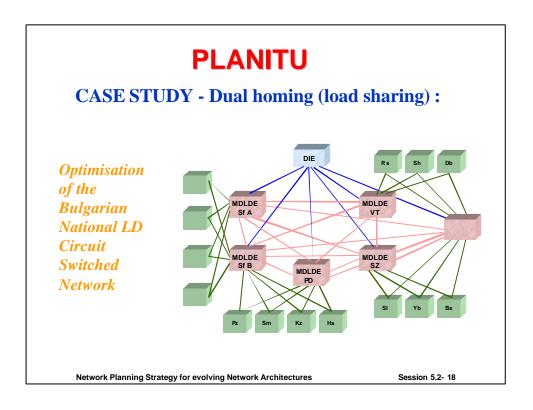












PLANITU

CASE STUDY - Dual homing (load sharing)

The optimisation of the national LD network results in:

- transition from semi-meshed towards dual-homing network structure
- > more robust and reliable traffic handling and routing
- simplifying the network management
- readiness for smooth transition towards Class 4 NGN solutions, deploying MGW in the location of the existing 6 MDLDEs

Network Planning Strategy for evolving Network Architectures

Session 5.2-19