

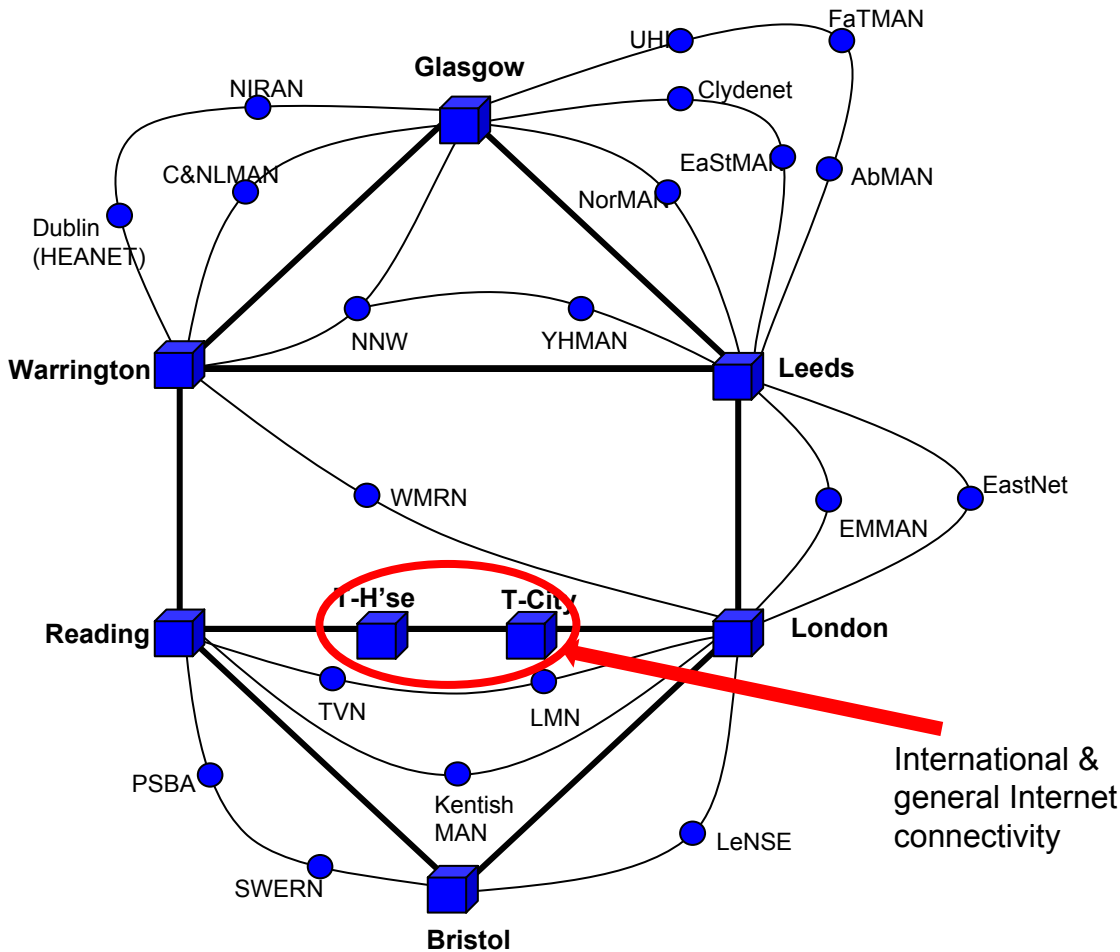
# JANET network requirements: Research workshop

Jeremy Sharp, JANET(UK)

# JANET Network



## JANET backbone



## JANET regional delivery infrastructure

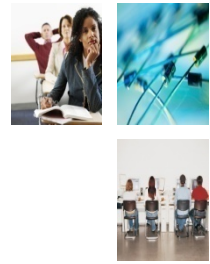




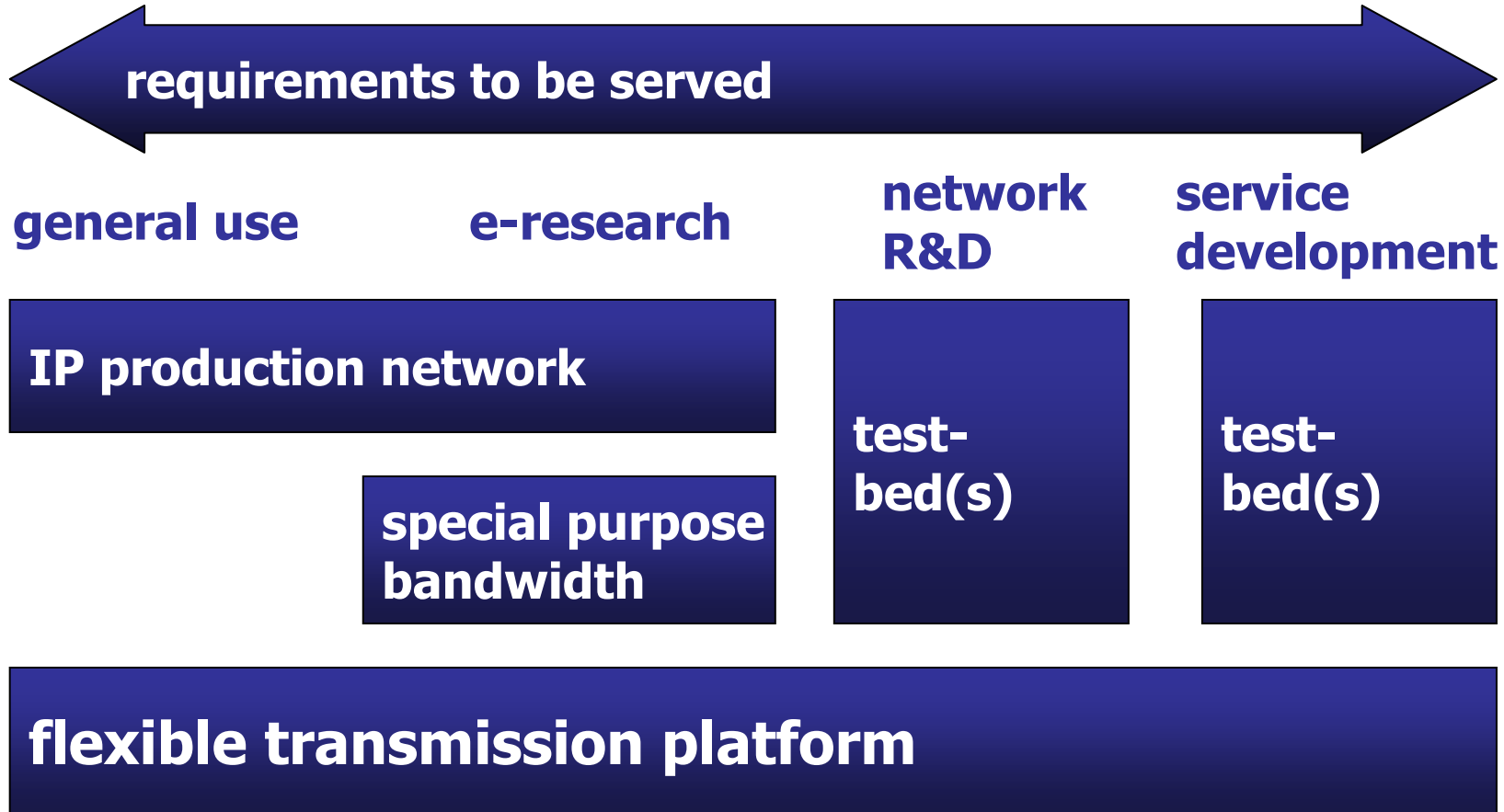
# Meeting Requirements

end-to-end across JANET

<b>Reliability</b>	<ul style="list-style-type: none"> <li>• Resilient national core network</li> <li>• dual diverse entry to regional networks</li> </ul>
<b>Scalability</b>	<ul style="list-style-type: none"> <li>• control of costs of adding large amounts of bandwidth when needed</li> </ul>
<b>Separability</b>	<ul style="list-style-type: none"> <li>• configure purpose-built networks via control at transmission-level</li> </ul>
<b>Flexibility</b>	<ul style="list-style-type: none"> <li>• ability to change configuration of network quickly when needed</li> </ul>



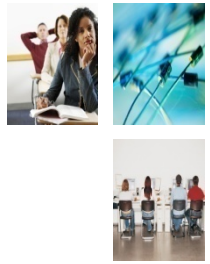
# JANET Architecture





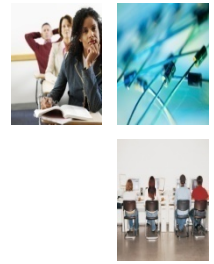
# Changing environment

- Constraints on public finances
- Network service is mission critical
- Business & community engagement
- Growing links with other parts of the public sector & industry
- Focus on carbon reduction
- Move to of-site hosted services

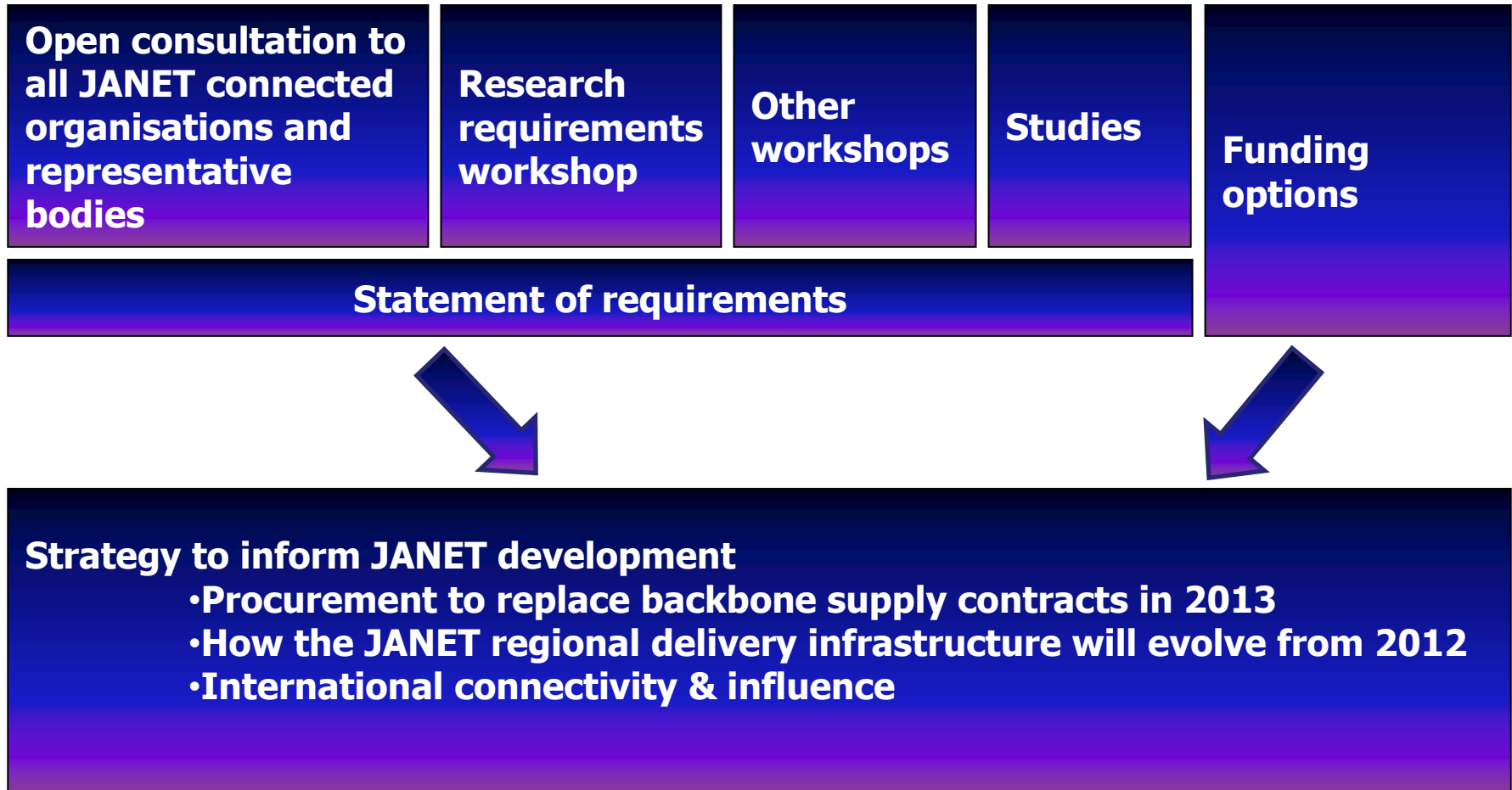


## Achieving best value

- JANET is a highly successful shared service
- Move from SJ4 to SJ5 resulted in savings of ca. &19M at end of 2009 & expected to be £63M at end of 2011
- Working with other public sector bodies has resulted in significant savings in deliver of regional infrastructure



# Developing a strategy







# Traffic growth: external traffic

