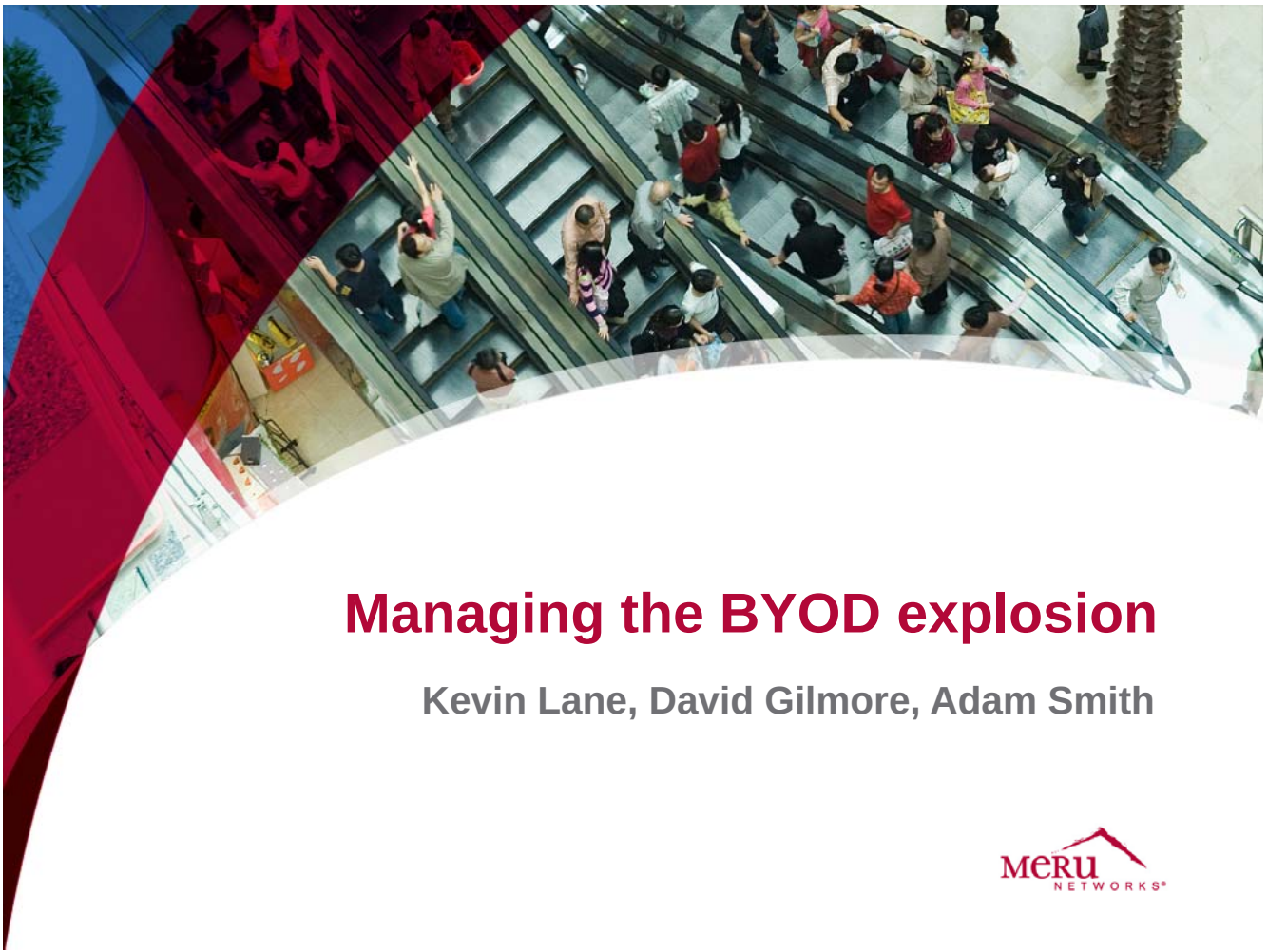




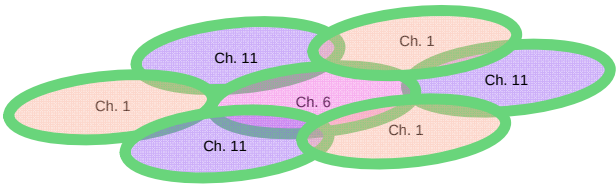
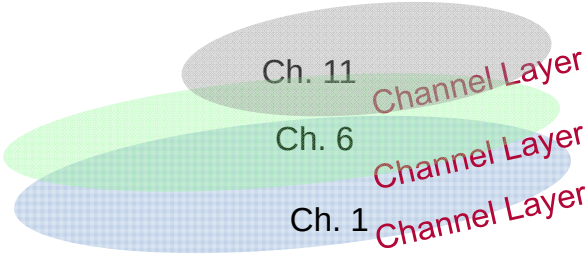
# Managing the BYOD explosion

Kevin Lane, David Gilmore, Adam Smith



## Micro Cell vs Single Channel



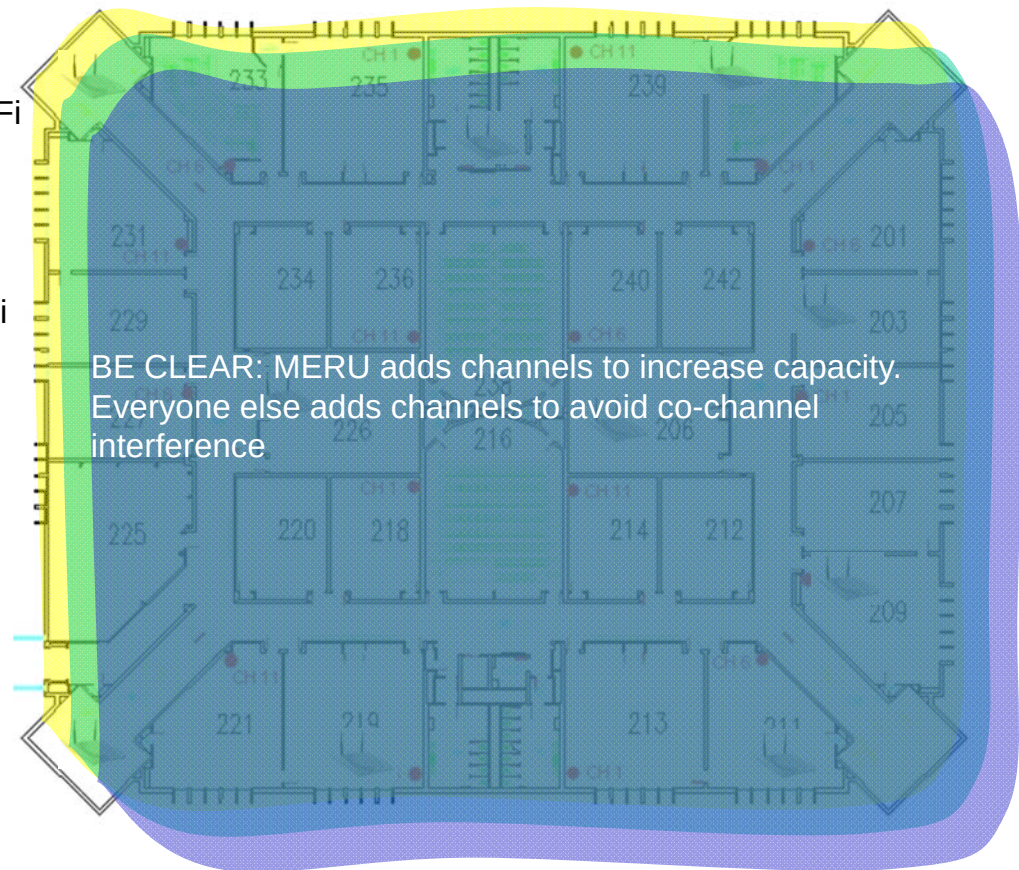
| Micro Cell WLAN<br>Single Channel Per Region                                                                                                                            | Virtual Cell WLAN Multiple<br>Channel in Single Region                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>All channels are consumed to provide a single channel of capacity per region</p> |  <p>Multiple channels can be layered to add capacity per region</p> |
| Add Capacity by Redesign and More APs                                                                                                                                   | Add Capacity by Layering Channels                                                                                                                       |

## Wireless for “All Business” Applications – Layer Channels



- The flood of Wi-Fi devices requires additional RF capacity

- Plan for 4+ Wi-Fi enabled devices per user



## 5GHz Channel Guide

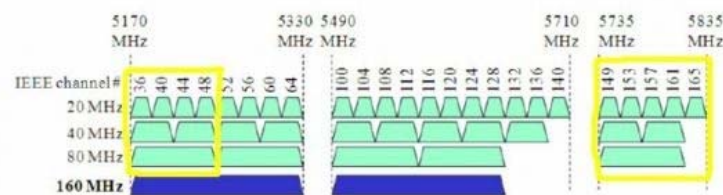


Figure 1: US Channel Allocation

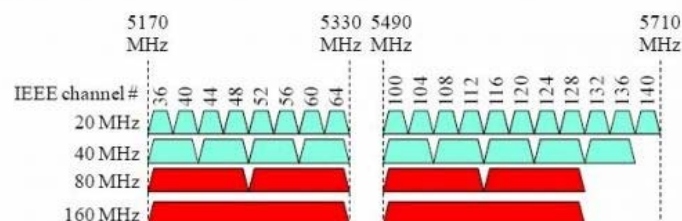


Figure 2: Europe, Japan and Global Operating Class Channel Allocation