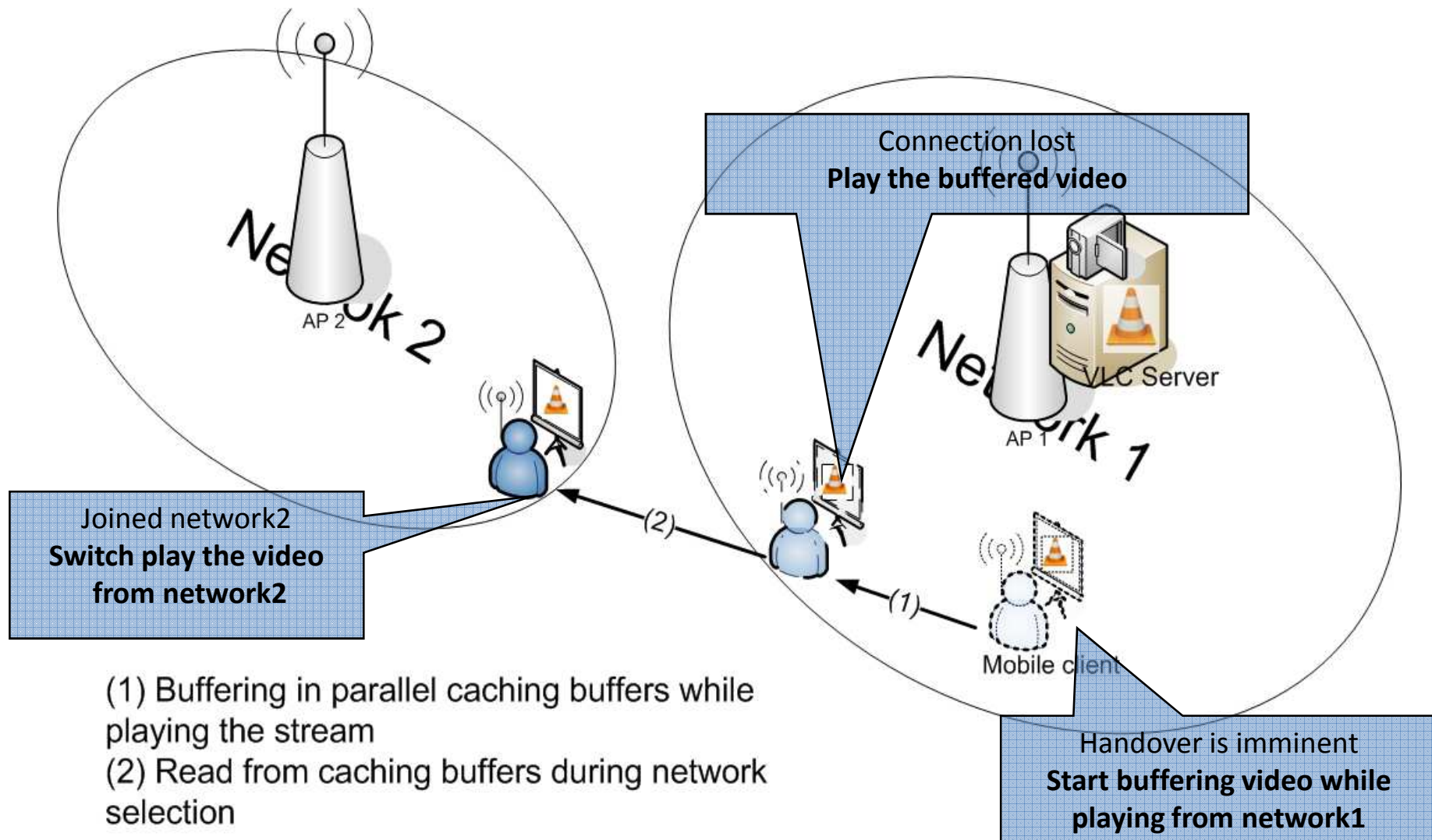# Handover Prediction-based Seamless Media Streaming for Wireless Packet Networks

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Scenario

Connection lost
Play the buffered video

VLC Server

AP 2

AP 1

Joined network2
Switch play the video from network2

Handover is imminent
Start buffering video while playing from network1

Mobile client

(2)

(1)

(1) Buffering in parallel caching buffers while playing the stream
(2) Read from caching buffers during network selection
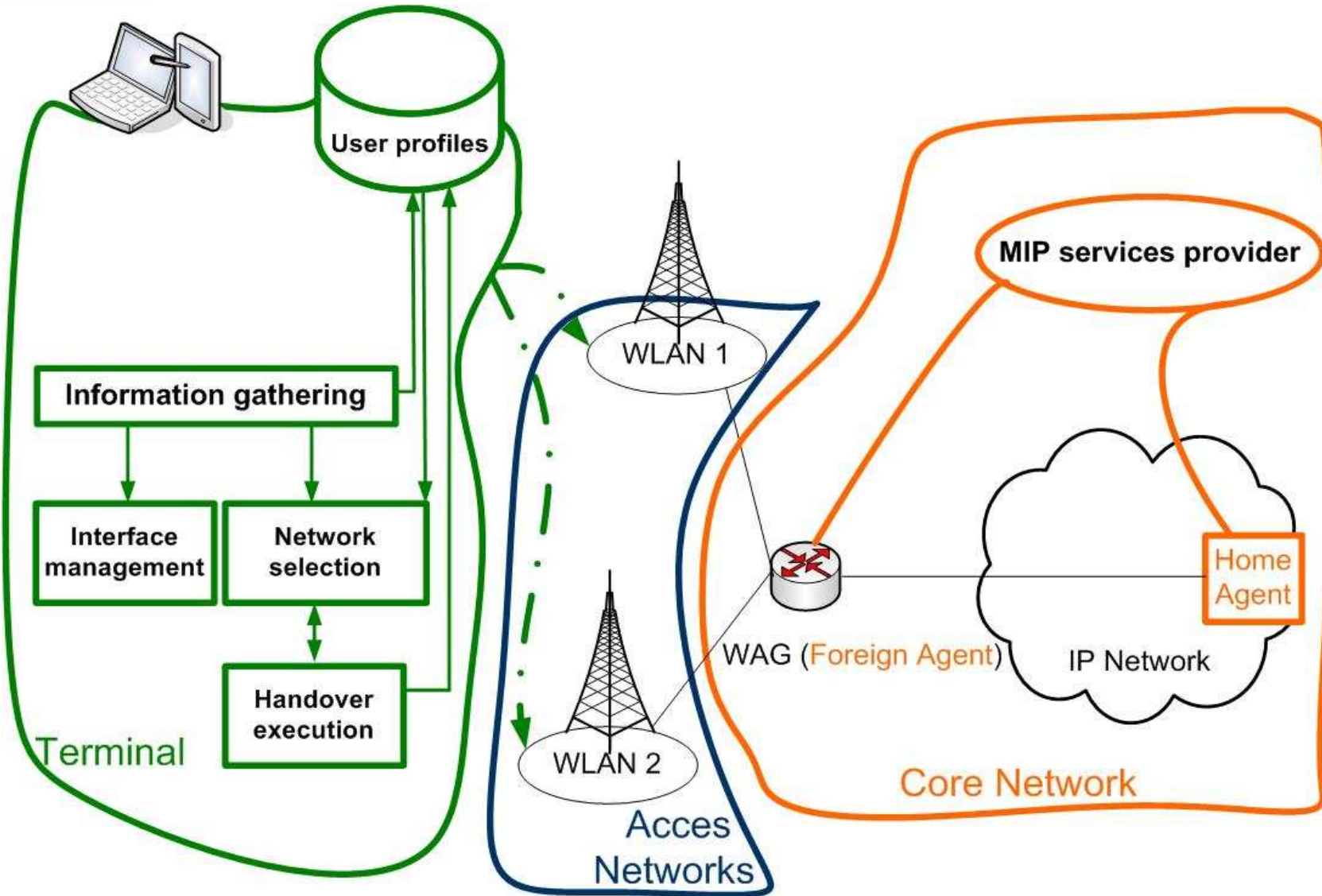
Demo targets

- **Seamless video streaming during hand over between WLAN cells.**

- **Maximizing the cache size subject to the remaining time before handoff.**

- **Optimisation of the cache buffers number according to the played video bit rate, the nodes' speed and available bandwidth on the streaming server.**

Implementations

Buffering scheme