

Using Microsoft Soundscape to Support and Enhance Mobility Training



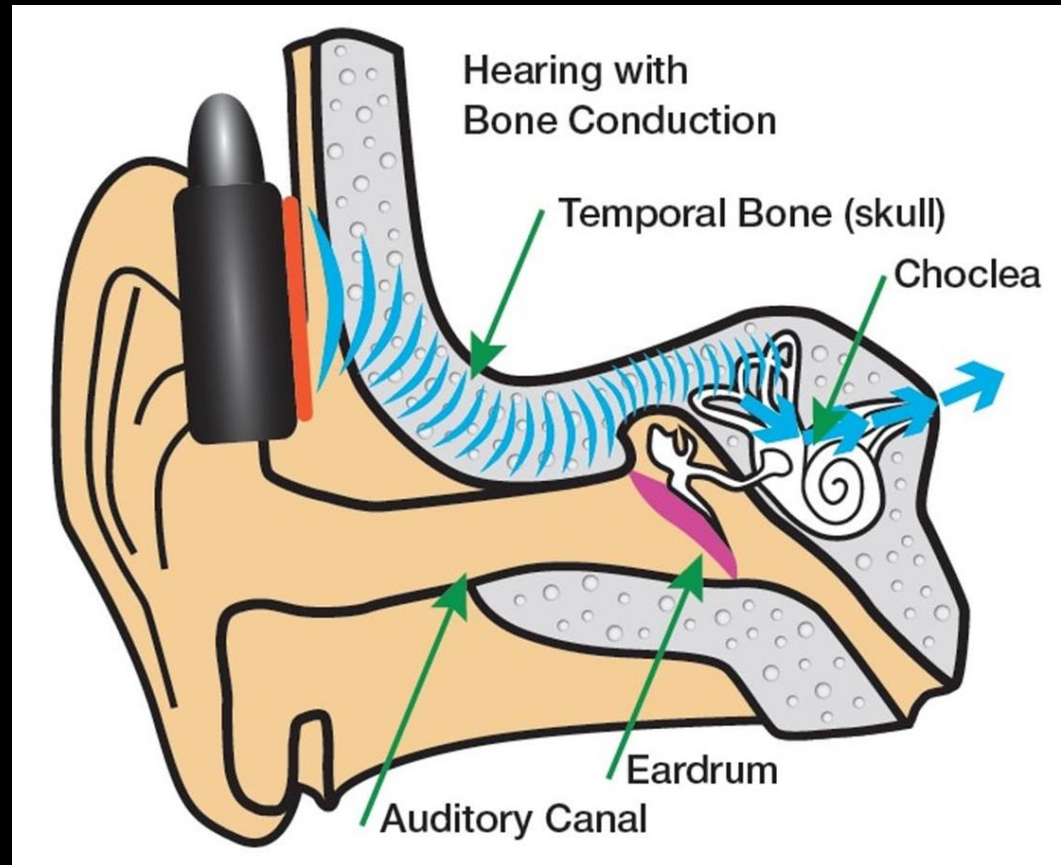
Tommy Dean

Aims of workshop

- Understanding of suitable headphones for wayfinding and considerations for clients
- Understanding of Soundscape, its features, capabilities and limitations
- Understanding of how to use Soundscape's features to support and enhance mobility training

Suitable Headphones

- Bone conduction and open ear – ear canal is left clear
– hearing can still be used for mobility



Suitable Headphones Continued

- Costs?
- Considerations on suitability – how to assess safety of clients
- Headtracking
- Can be good for hearing impaired – role of ear drum

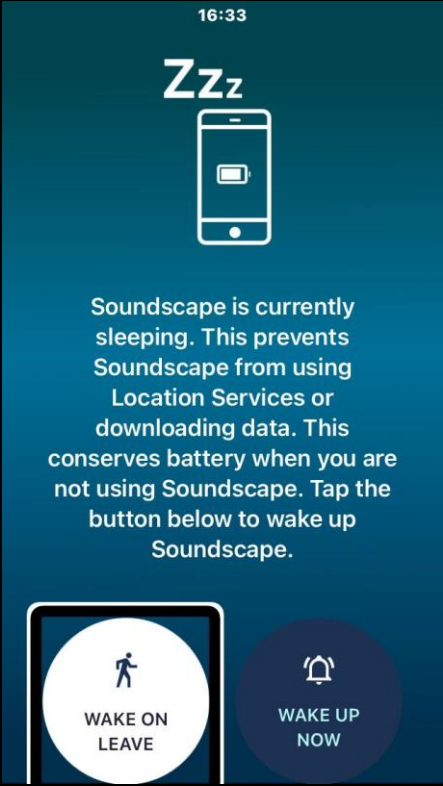
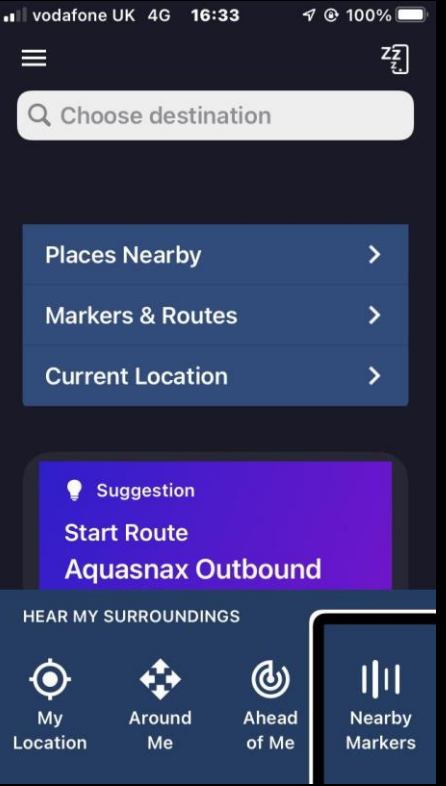
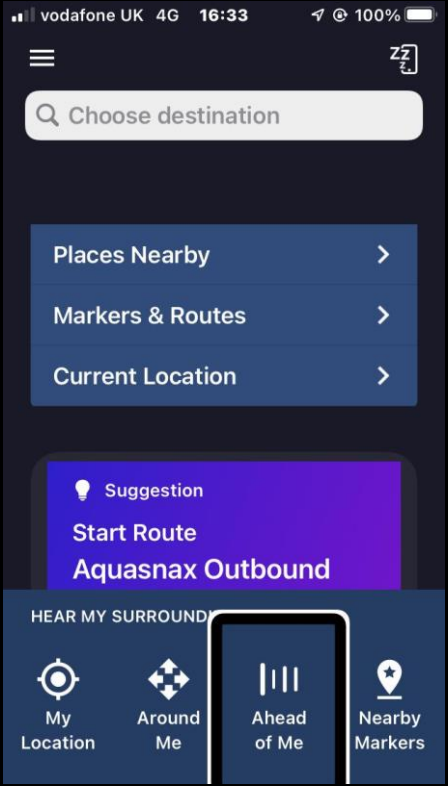
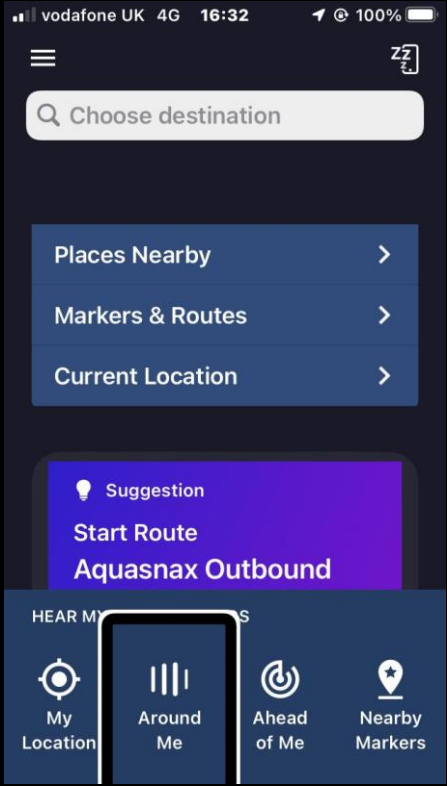
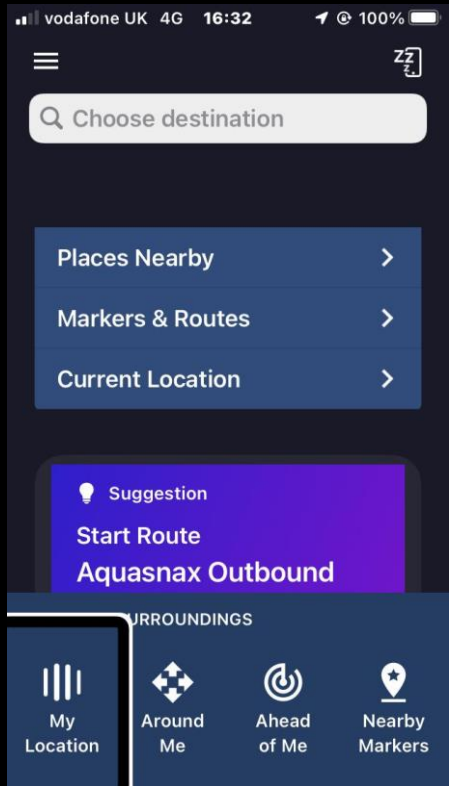
What is Soundscape?

- 3D audio wayfinding app which enhances understanding of what is around you
- Points of interest, road crossings and other environmental features sound like they are coming from the position they are related to the user
- Customise information through markers and audio beacons
- Not just a wayfinding app – a tool for mobility training...

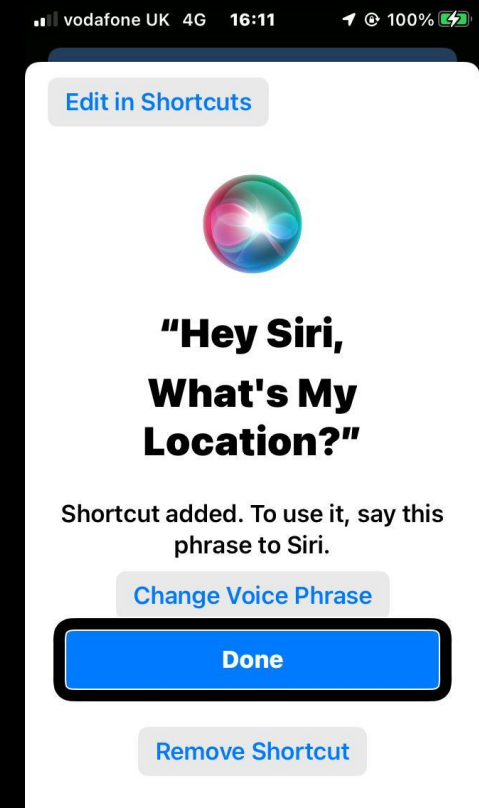
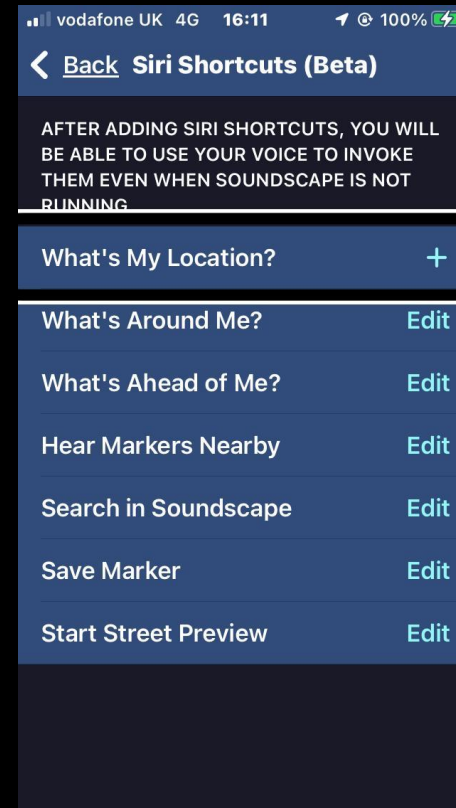
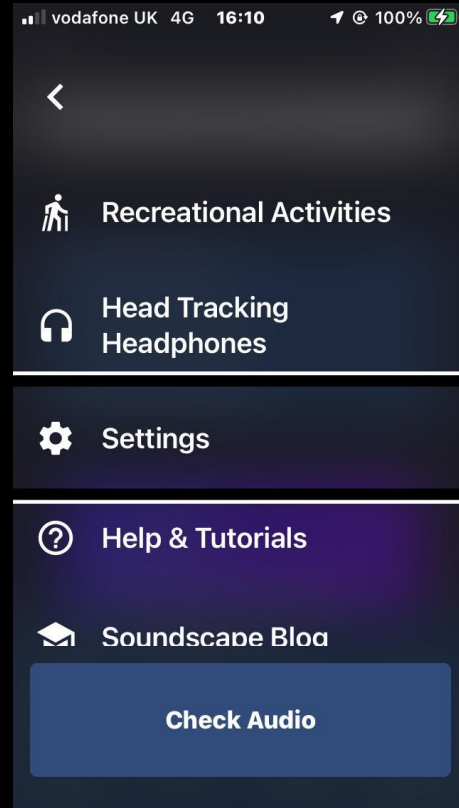
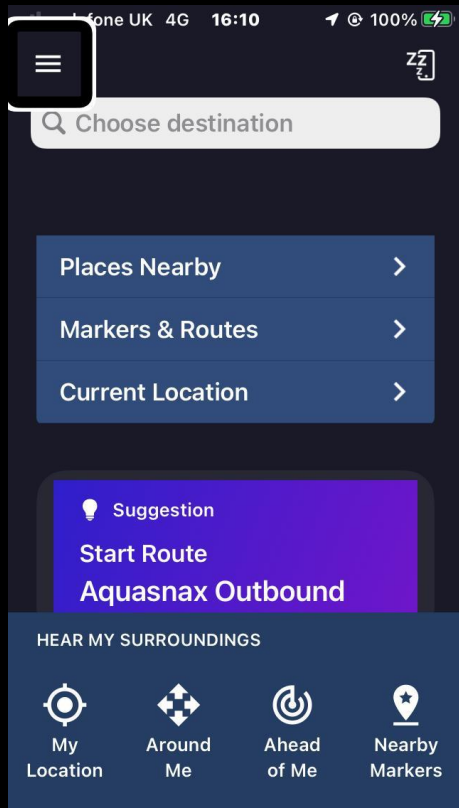
Support and Enhance Mobility Training

- Develop mind mapping techniques
- Enhance mobility sessions using personal markers – provide information, encourage and add fun
- Combine markers to create routes – develop sequencing and time distance estimation
- Users can experience and familiarise themselves with new environments both in person and remotely

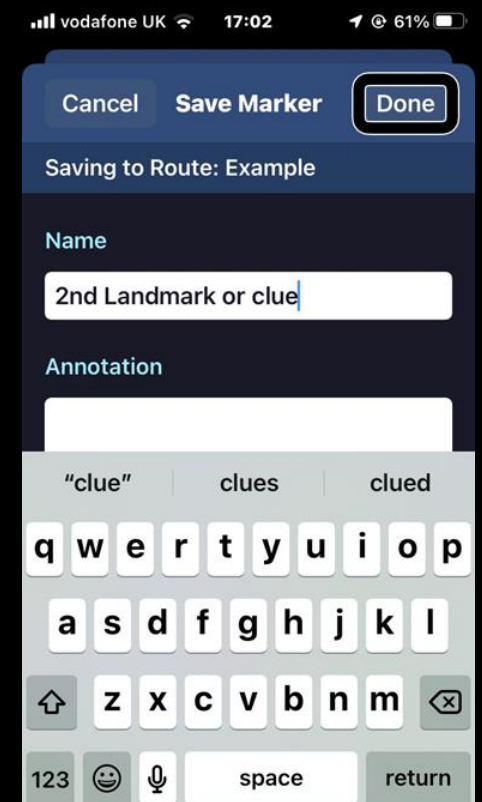
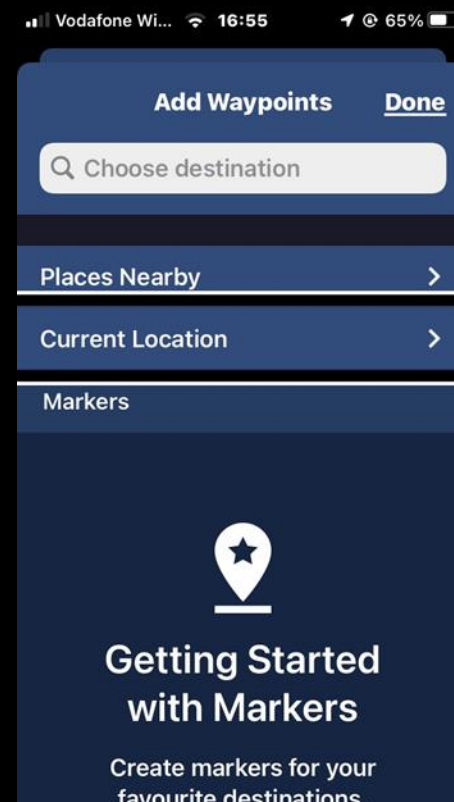
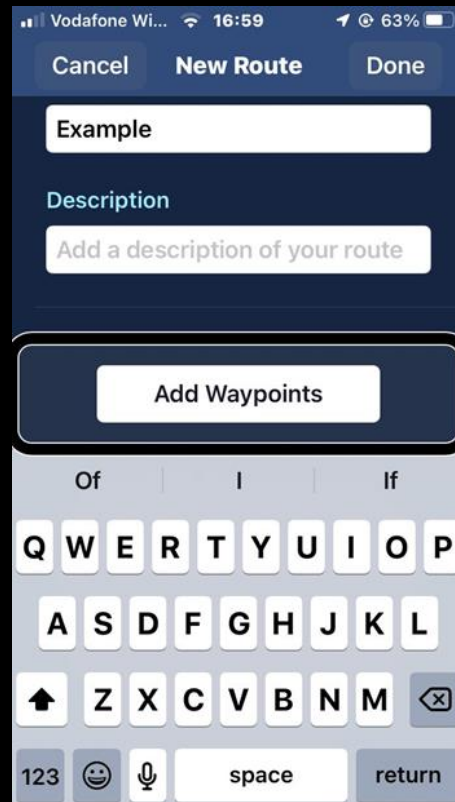
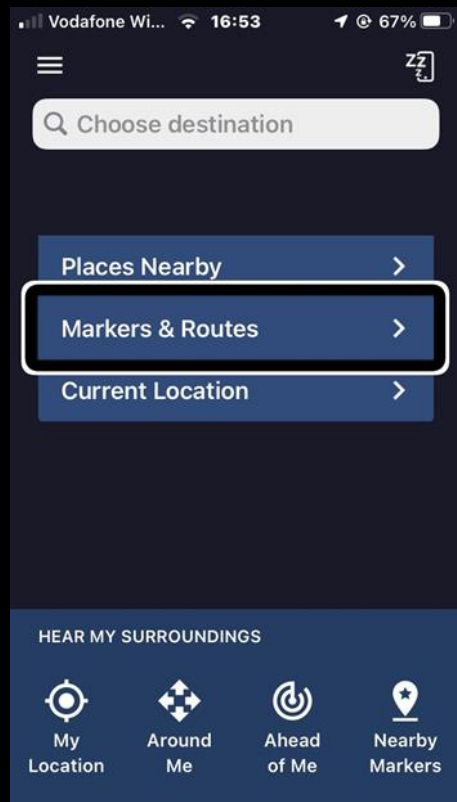
Demonstration of Soundscape




Using Soundscape Features Via Siri



Soundscape Routes Feature



Practical

- In pairs (one in blindfold experiencing Soundscape and the other guiding)
- Meet in front of Seacole Building
- Any problems just put up your hand 

Further Information

Microsoft Soundscape Illustrated Demonstration YouTube Video

- <https://www.youtube.com/watch?v=v5DXykmOdJ8>

Microsoft Soundscape Route Feature YouTube Video

- <https://www.youtube.com/watch?v=MmdmBFkNGaM>

Soundscape



Point your camera at this QR code and click the link to download Soundscape

<https://apps.apple.com/gb/app/microsoft-soundscape/id1240320677>

