

Dorset Highways

Moving Dorset Ahead
Healthy – Connected – Sustainable

APSE Performance Networks seminar 2021
Friday 3rd December



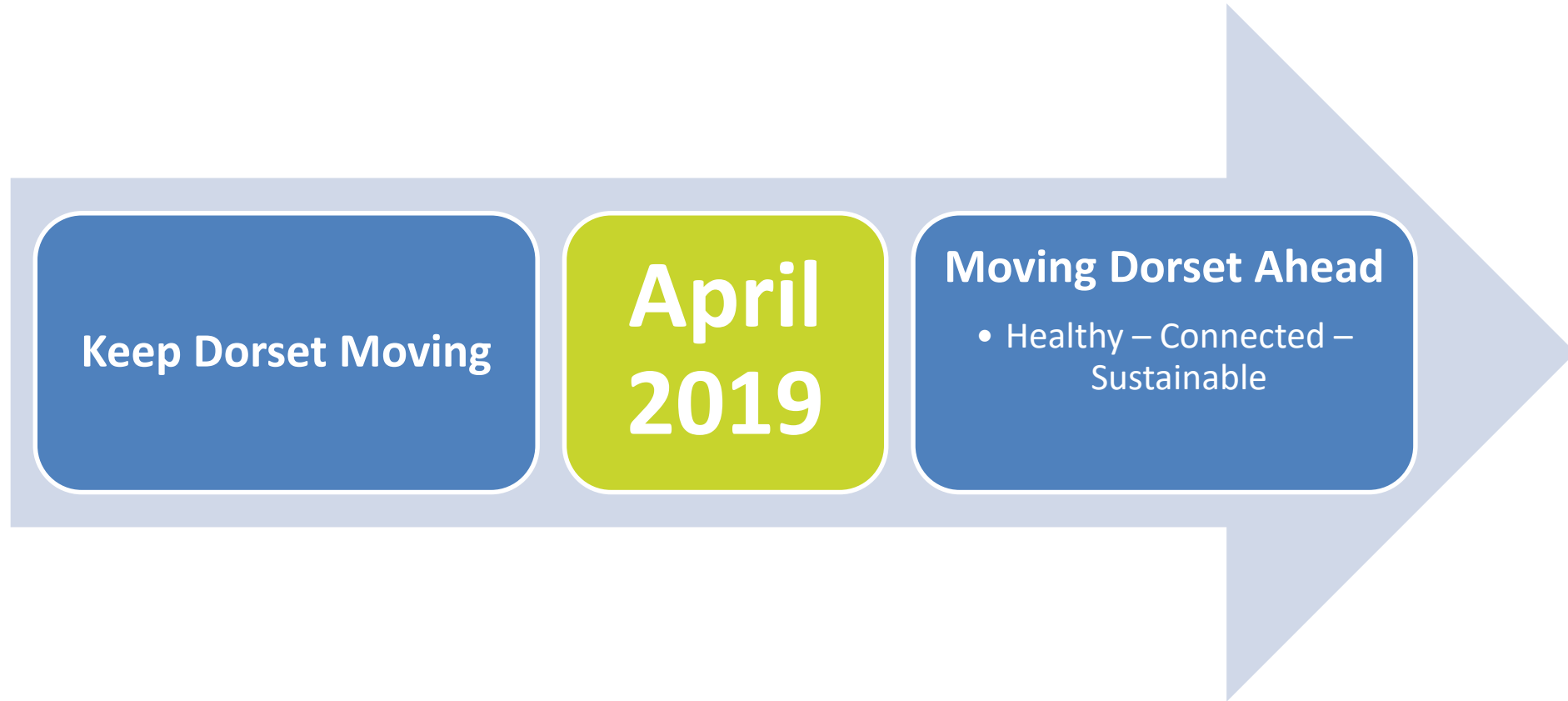
David Clegg
Civil Engineer
Connecting with Community



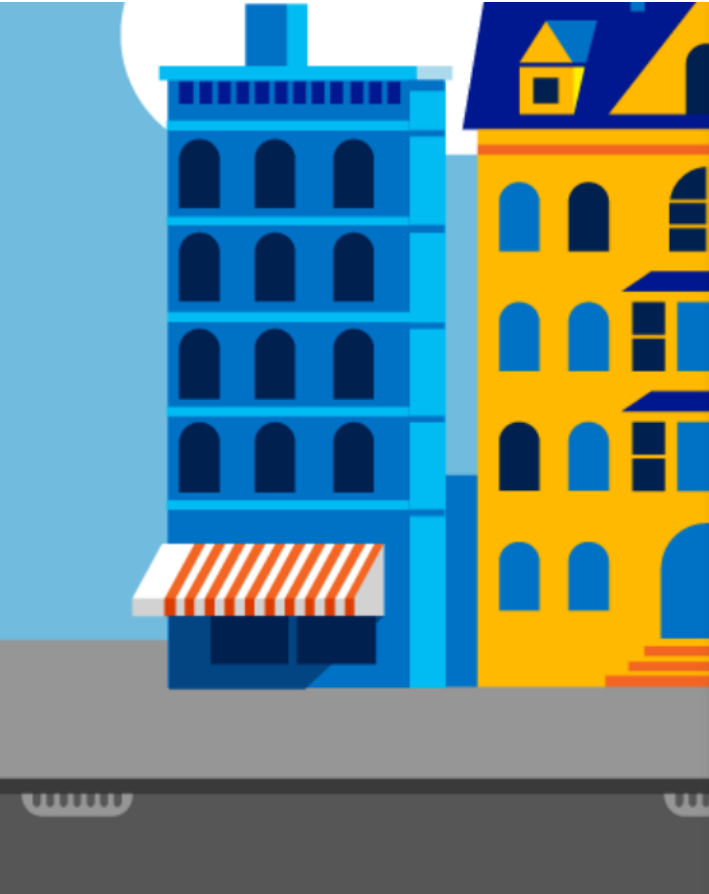
**‘Climate change for the front line
What actions are you taking?’**

‘What do you value most?’

Value perspective




Marginal Gains



Marginal Gains v2

This form is to capture information about savings (time, expenses and CO2) that arise as a result of not having to travel to attend meetings. "Business mileage" is what you would have claimed as travel expenses. "Commuter mileage" is your personal "home to work" travel, for which you would not claim expenses.

1. Date of meeting *

Please input date (M/d/yyyy) 

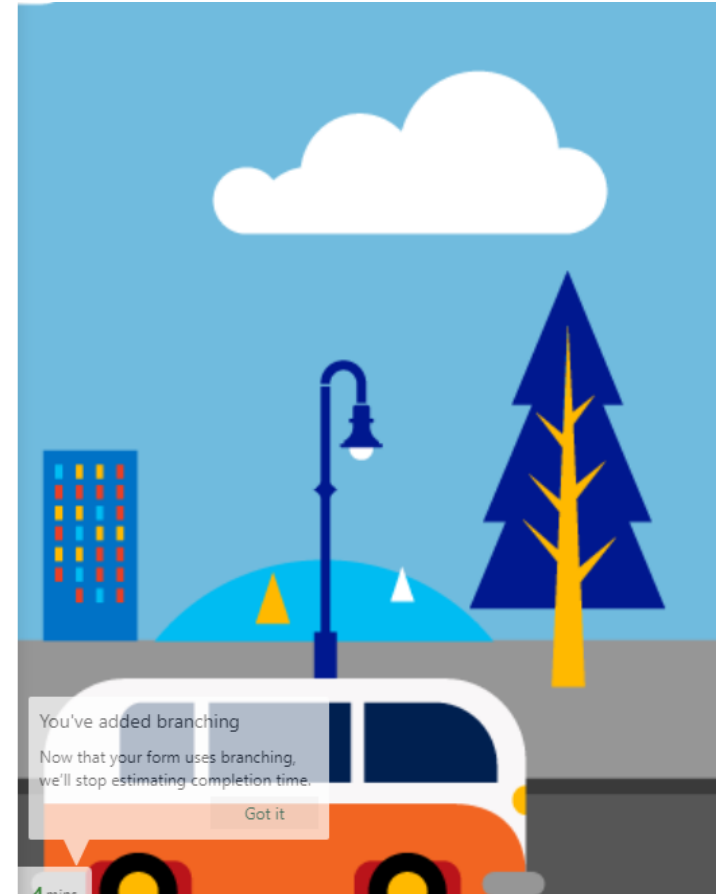
2. Time of meeting (in the format "00:00") *

Please ensure you input with a colon e.g. hr:min

Enter your answer

3. Which organisation do you work for? *

Dorset Council - Highways



You've added branching
Now that your form uses branching,
we'll stop estimating completion time.

Got it

Marginal Gains

Marginal Gains App

Produced by the Business Intelligence & Performance Team



CO²
Savings

8,564kg of CO2 Savings equivalent to:

£
Savings



16.10 minutes flight time on a 747



240 days to power the average home



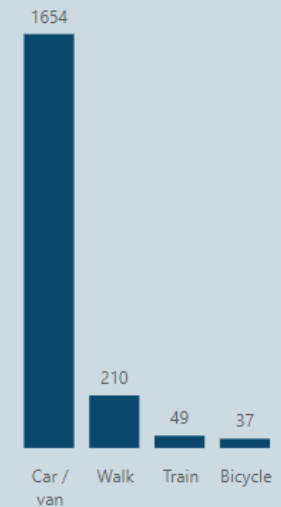
2141 days watching TV

?
App Facts



51 trees would be needed to absorb the CO2

Trips avoided

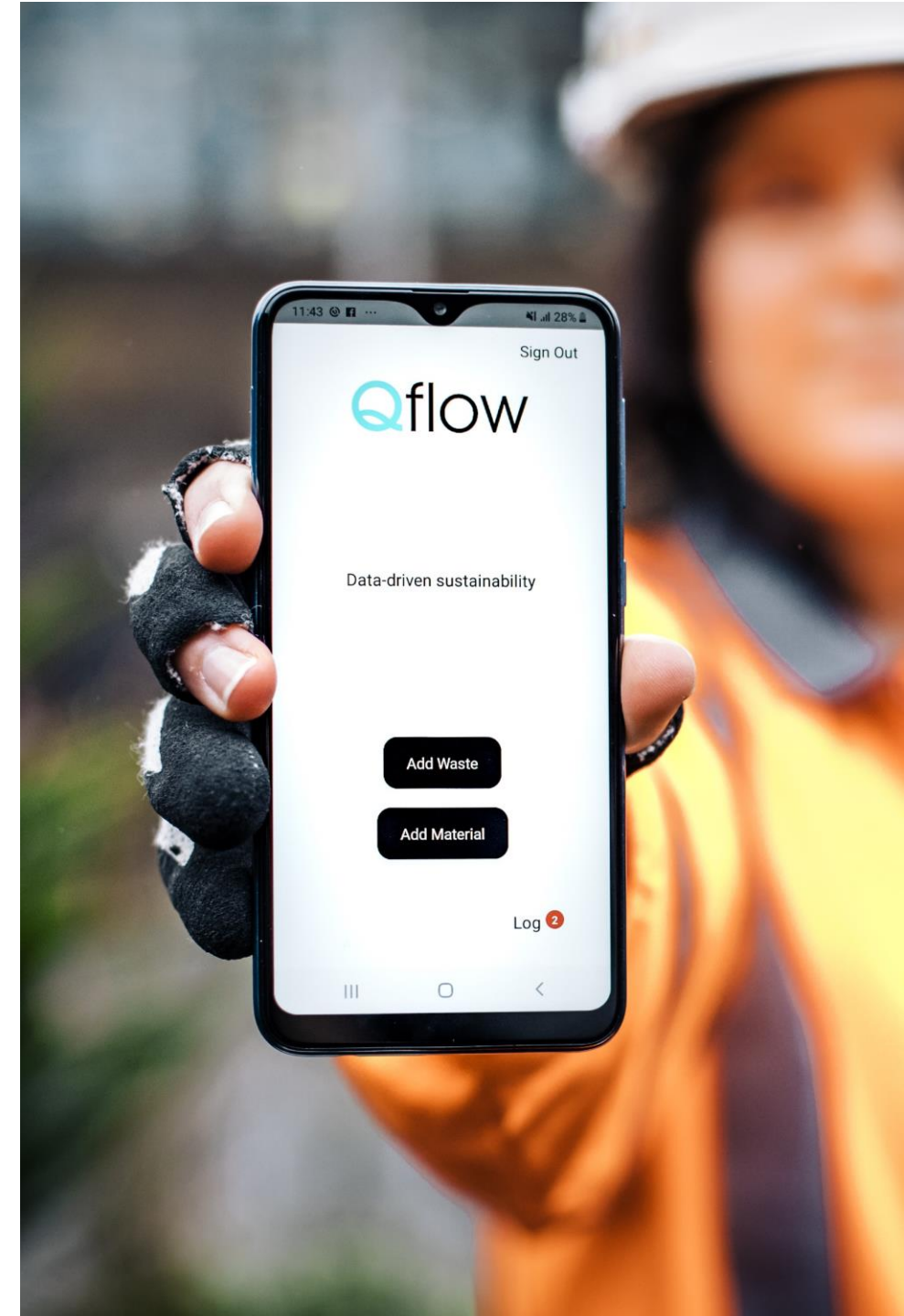


App Used

1979
Times

Qflow

- Experimenting at the supply chain level
- Real-time data and machine learning to track and monitor environmental risk
- Waste and material tracking
- As built record of consumption and disposal
- Reinforcing feedback loop to inform scheme design





Digital by Design

- Tablet for all maintenance and construction workforce
- Office 365 - include MS Teams for video calls and document sharing
- Digital champions cohort - bespoke training for tablet users
- Reduction in travel and decision time
- Value perspective

Low Energy Asphalt

- 2021-22 YTD 53% of all asphalt laid is low energy
- Use in base, binder and surface course
- Reduction from 58.5 to 53.9 kg/t of asphalt laid
- Reduction in Recycled Asphalt Pavement content offset through use of Cement Bound Granular Materials



Human Centred



Hanson Contracting



Dorset Council



Community

Thank you

