





Decision Equipped.



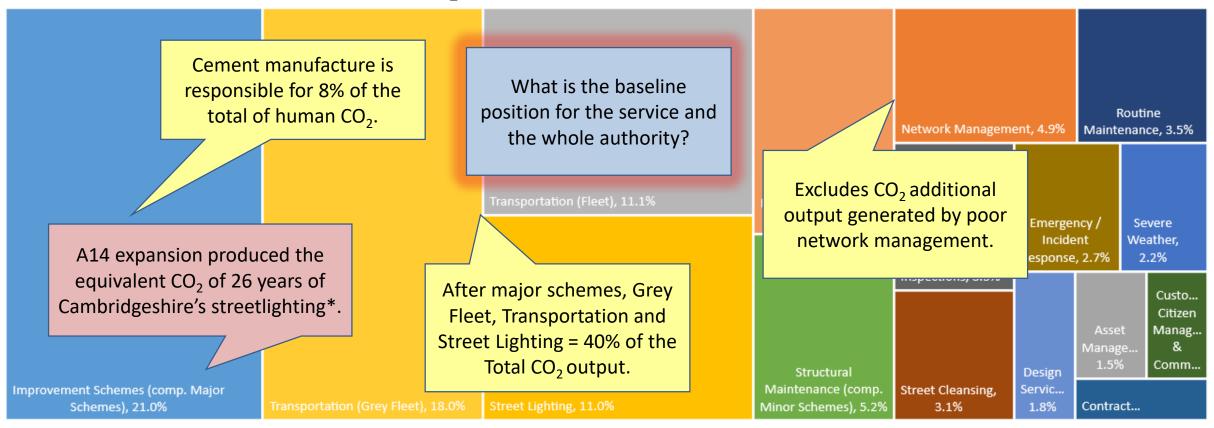
Climate Emergency

Impact on Highways & Transportation Services

CO₂ Sources By Highways & Transportation Function



% of Total CO₂ By Highways & Transportation Function



^{*}Highways Agency (Replaced By Highways England), Cambridge to Huntingdon Improvement Scheme, Environmental Impact Assessment, August 2015

Climate Emergency

What does it mean for highways and transportation services?



- Accelerated transition from carbon to green energy sources.
 - Replacement of all fleet / grey fleet miles with EV miles.
 - Unprecedented infrastructure improvements to meet the demand for energy.
- Increased investment in pedestrian, cycle routes, e-drones and ULV* routes.
 - Replacing car journeys.
 - Reduced investment / development of traditional road networks (Dutch example).
- Increased investment in local "green" public transport.
 - Scheduled EV buses.
 - On-demand EV services.
 - Home-to-school alternatives to cars / buses.
- Promotion of local green alternatives.
 - Incentives for car sharing and / or EV taxi sharing schemes.
 - Incentives for home working.

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^{*}Ultra Light Vehicles, including e-scooters.





Strategic Options Analyser

Climate Emergency Options: Case Builder

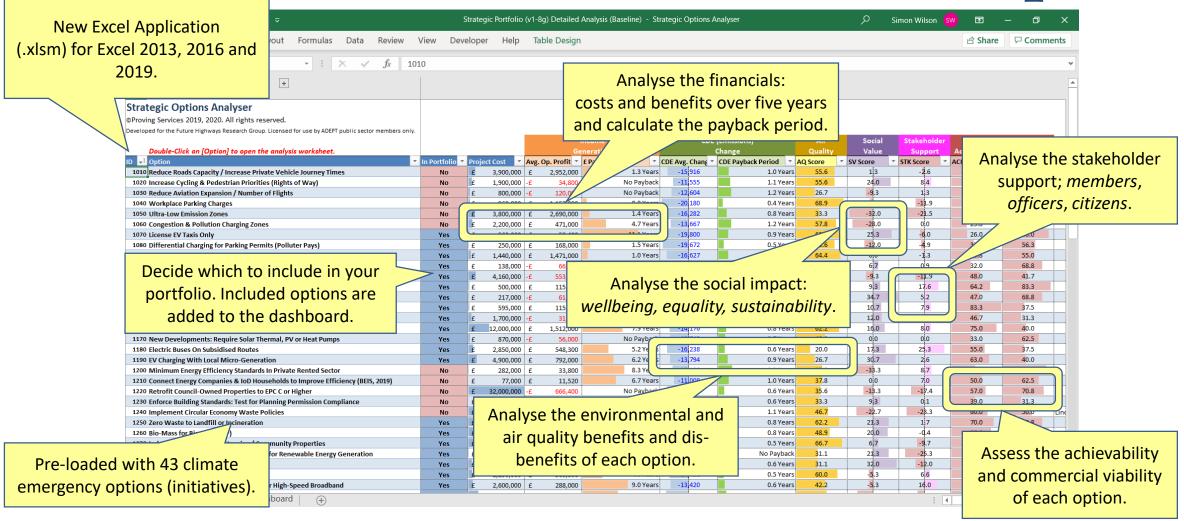
Strategic Options Analyser (v1.8)



- Combines three previous toolkits:
 - Strategy Analyser (last edition v3.3, July 2019).
 - Commercial Options Toolkit (last edition v3.6, December 2019)
 - Climate Options Assessment Toolkit (last edition v0.6, December 2019)
- Rapid, consistent method for options appraisal.
 - Includes financial, social, stakeholder, air quality, achievability and emissions assessments.
- Includes an integrated database for all options.
 - Data can be imported and exported using the standard Excel functions.
- Quickly assemble prioritised portfolios of viable options.
 - Used to support internal planning and discussion.

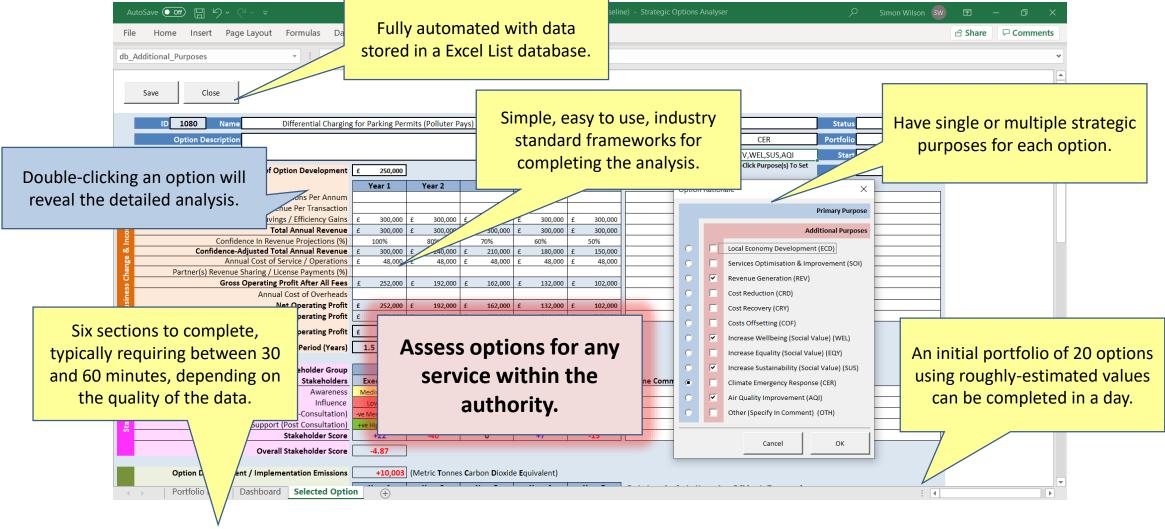
Assessing & Prioritising Strategic Options





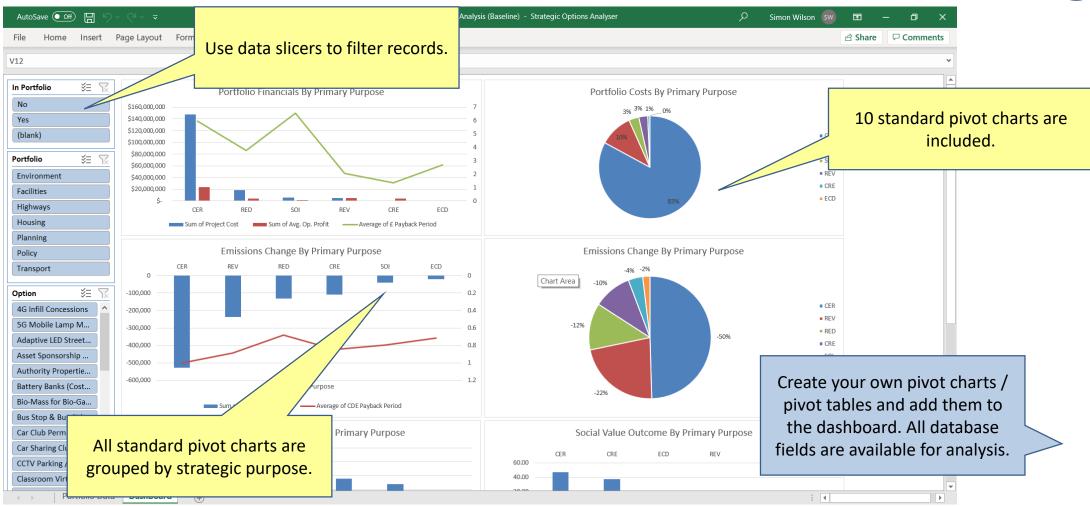
Building Cases





Create a Portfolio Dashboard









Roundtable Exercise

What climate emergency response initiatives are you planning?

Exercise



- Please review and discuss the list of climate change initiatives with your group.
- For your organisation, prioritise which options are intuitively:
- 1. The most attractive (if so select "Yes" as a priority).
 - Highest positive impact on CO₂ emissions and / or air quality.
 - Lowest cost.
 - Generate income or offset costs.
- 2. The most achievable (if so select "Yes" as achievable).
 - Lowest complexity and risk.
 - Enjoy wide-ranging stakeholder support.
- 3. Are these the options your organisation is implementing?
- 4. Are there others that should be added to the list?



Association of Directors of Environment, Economy, Planning & Transport

Future Highways Research Group



Decision Equipped.



Morning Coffee





Strategic Options Analyser

Income Generation, Cost Recovery & Cost Offsetting: Case Builder

Strategic Options Analyser Other Options...



The wider portfolio will include options for:

- Income generation.
- Cost reduction
- Costs recovery.
- Costs offsetting.
- Social value initiatives.

Many options achieve multiple benefits:

- Some climate emergency responses reduce costs.
- Some revenue generation initiatives reduce CO₂ levels.
- Strategic Option Analyser includes 54 additional "commercialisation" options.
 - Strategic Option Analyser quick review.
- Please add and evaluate your own.

Availability



Strategic Options Analyser available now.

Includes 43 climate emergency response initiatives.

Also includes 54 "commercialisation" initiatives.

No cost to ADEPT members.

Would you like to use the toolkit?

(A show of hands)





Pop-Up Street Surveys (Project Clarion)

Gauging Citizen Perceptions & Priorities

Closing the Planning Loop

You told us, we listened, we answered.

ADEPT
Decision Equipped.

Proving

We demonstrate how we have changed to those surveyed.

Services Reporting Community Survey

> Data Analysis

Nobody believes it, so nothing really happens.

We change in response to citizen priorities and concerns.

What if the data was good?

Services Change Services Planning We are listening to those we serve.

FHRG Clarion Process: Pop-Up, Street Surveys

Select Sites Representing Served Communities (Essex Example)



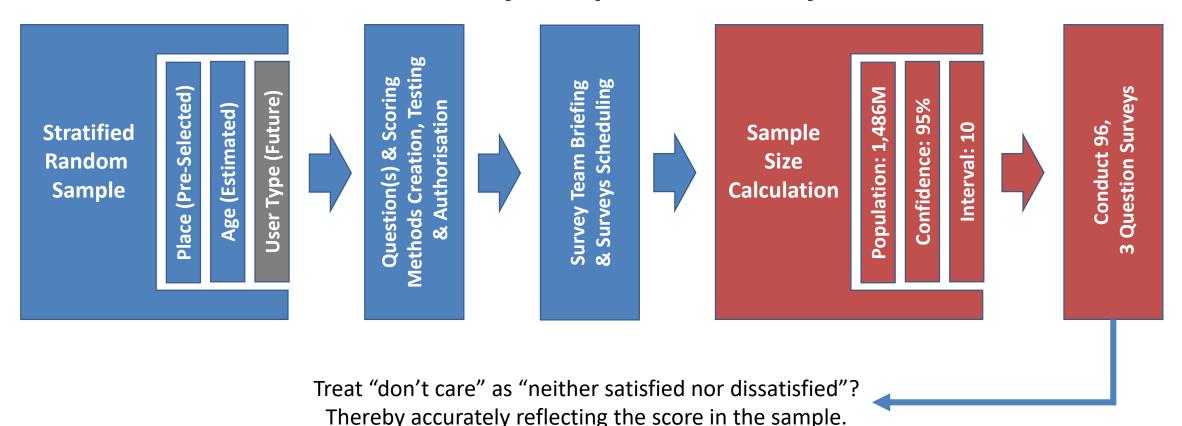


Authority Staff (Branded), 2 Interviewers + 1 Supervisor Per Site, 3 to 5 Sites, Sites Selected By Members, Rotated Between Surveys

Sampling Method & Sample Size

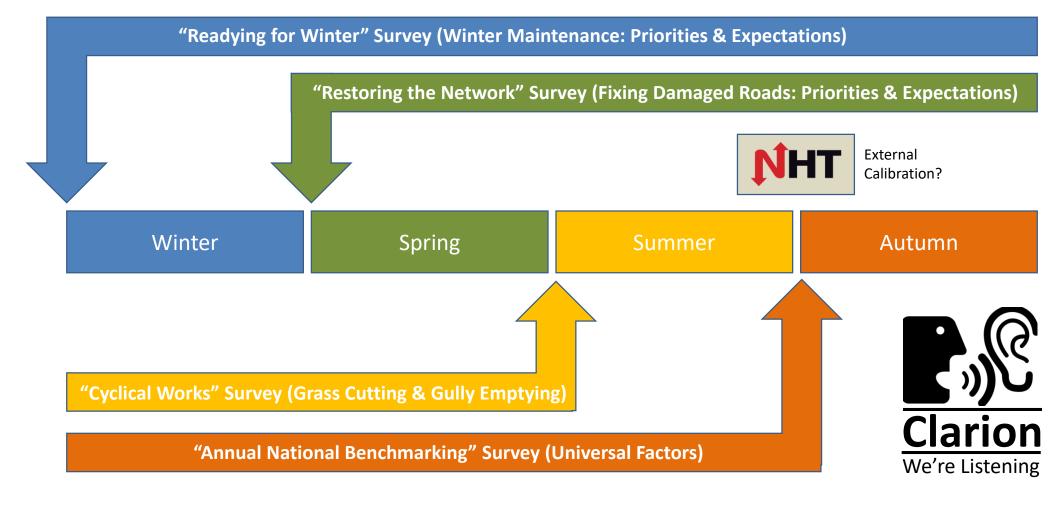


Full survey completed in a day!



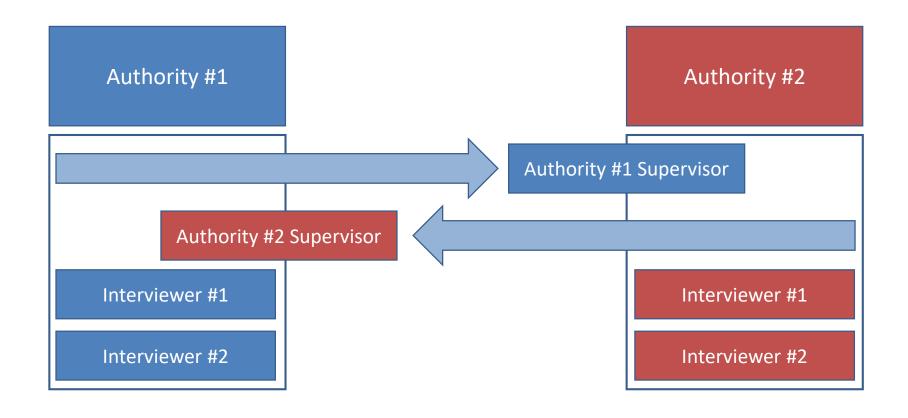
Low-Cost, Self-Administered Seasonal Surveys





Ensuring Integrity: "Buddy Authority" Scheme





Availability



Clarion protocols, process guides and case examples available now.

No cost to ADEPT members.

Would you like to participate?

(A show of hands)