

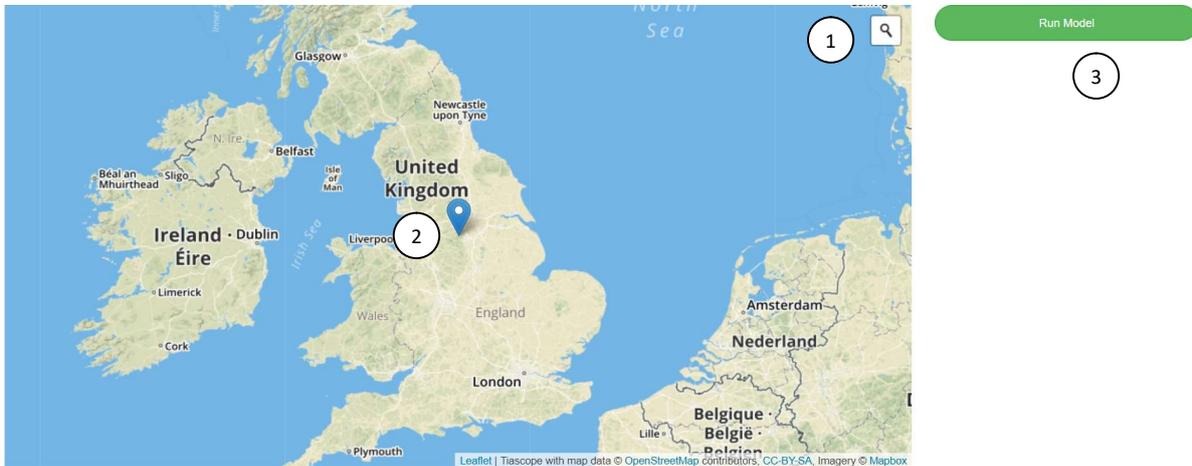
May 17, 2019

# Tiascope

User Guide

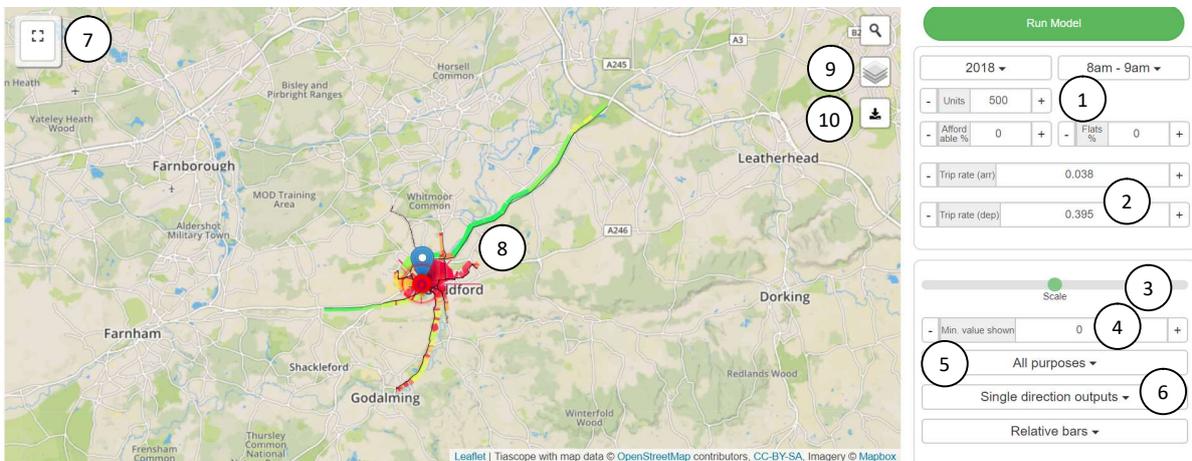
# User-guide and outputs

## First model run



1. Search location using postcode or place-name
2. Zoom to location of site, select location of access
3. Run initial model

Then an initial model is built with default parameters. Here is an example in Guildford.

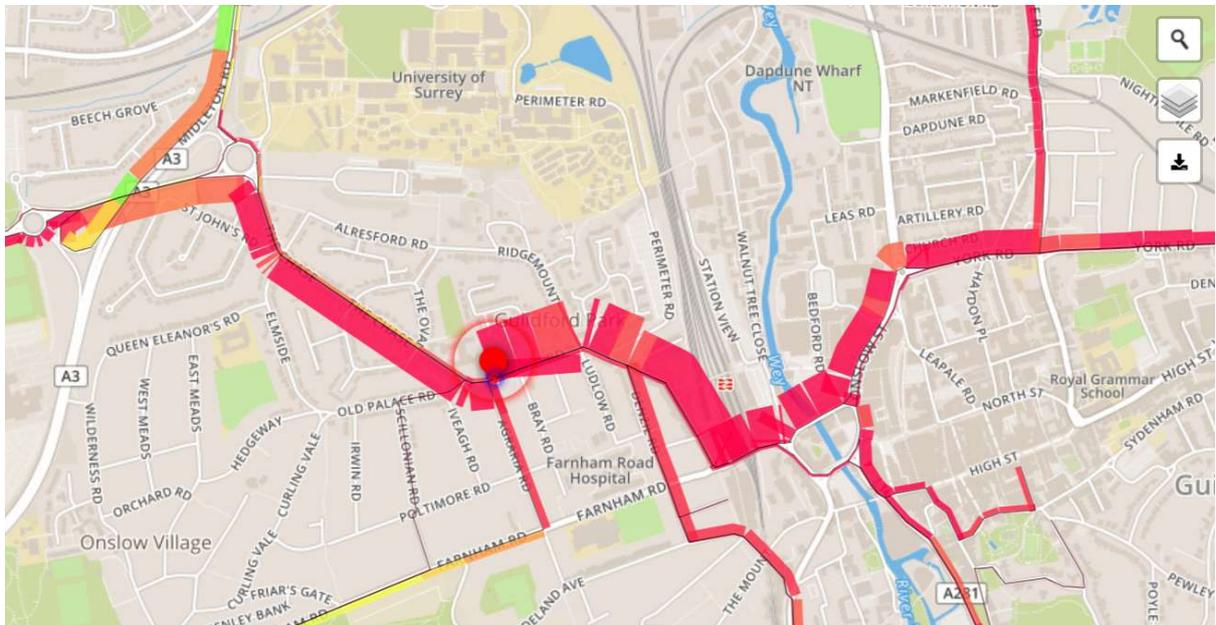




These controls are described as:

1. Site details including size, time of assessment, year of assessment, % affordable, % flats
2. Trip rate assumptions – calculated as default from NTEM or enter your own values
3. Change cosmetic thickness of lines
4. Threshold of trips for clarity – anything below this value will not be shown
5. Show trips by different journey purpose – helps to gain confidence in the model
6. One way or combined two-way outputs
7. An overlay showing headline figures
8. **Assignment output**
9. **Overlay controls**
10. **Download Excel outputs**

### Assignment output



The thickness of lines illustrates the volume of traffic, with outputs offset to represent the left-hand-drive.

Slow baseline speeds are in red, fast in green – there is a spectrum between.

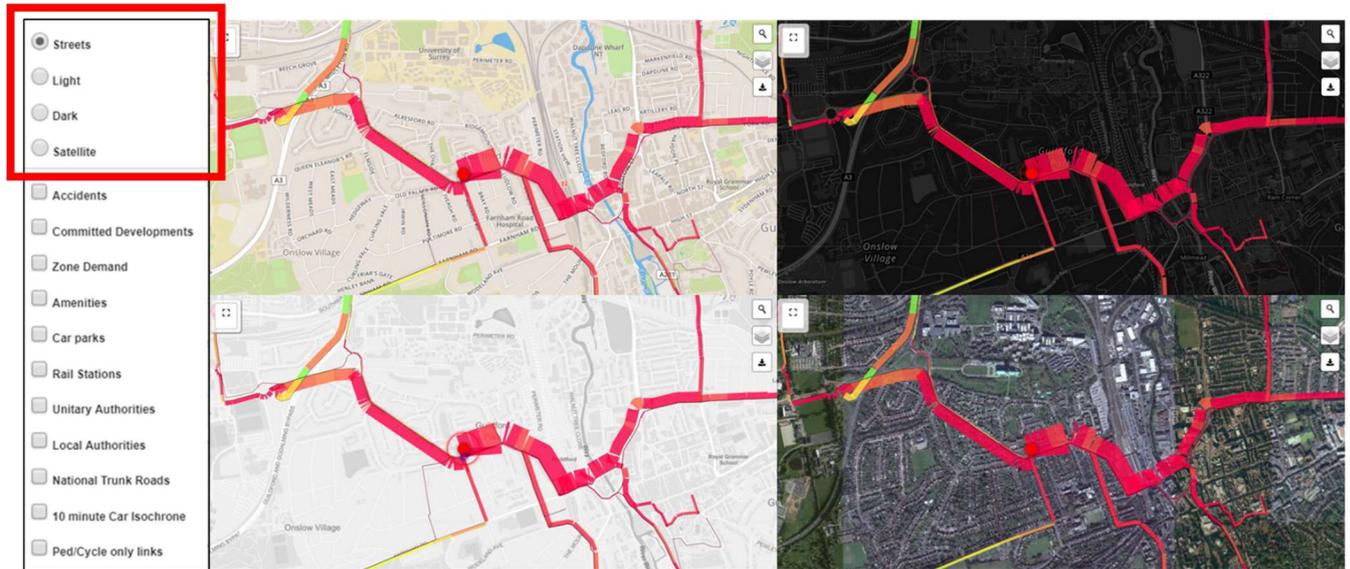
Click on link to see its properties.

Adjust Scale control to get lines at pleasing thickness.

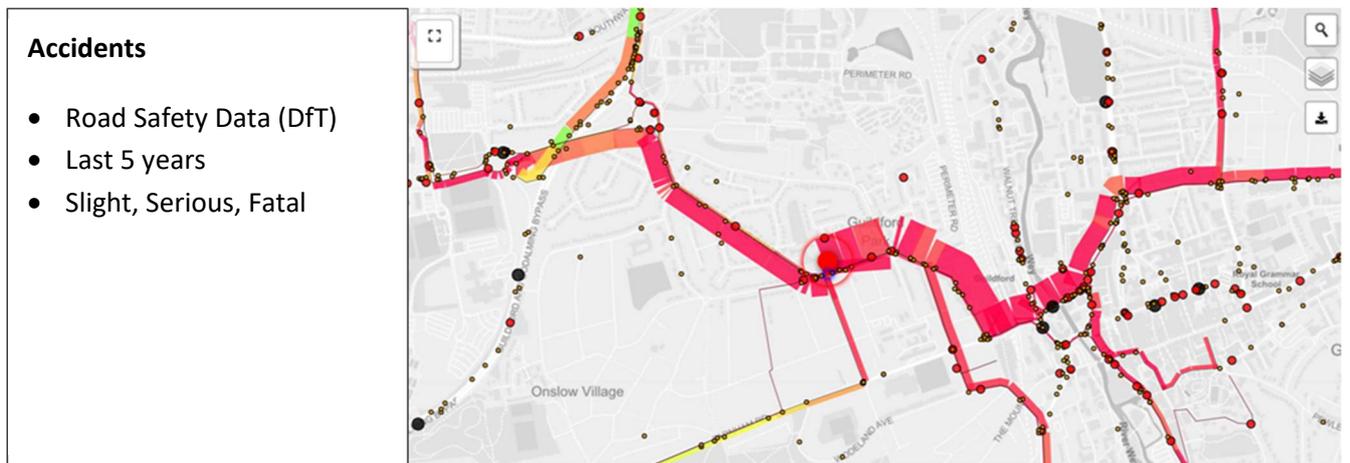
## Overlay controls

There are two sets of additional overlays to help in the scoping process.

Base mapping is selected in the top section.

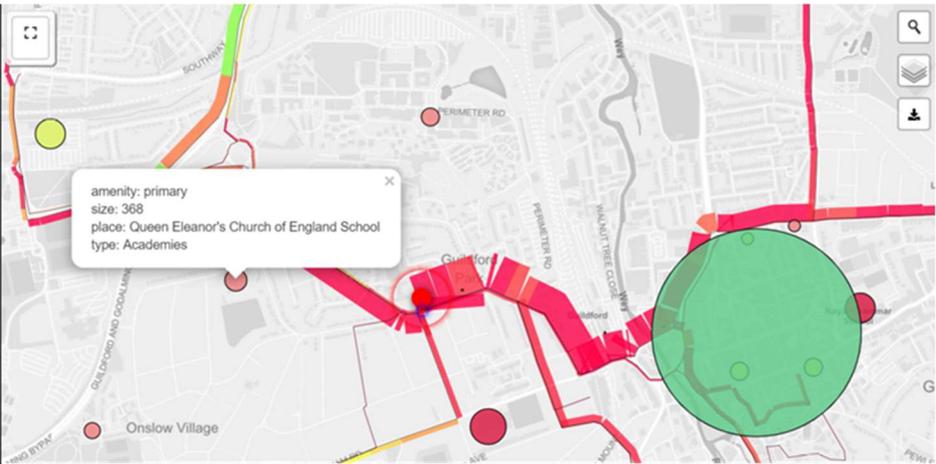


Additional datasets are selected in the bottom section.



**Amenities**

- ‘Scraped’
- Schools
- Town centres
- Supermarkets
- Illustrated by size



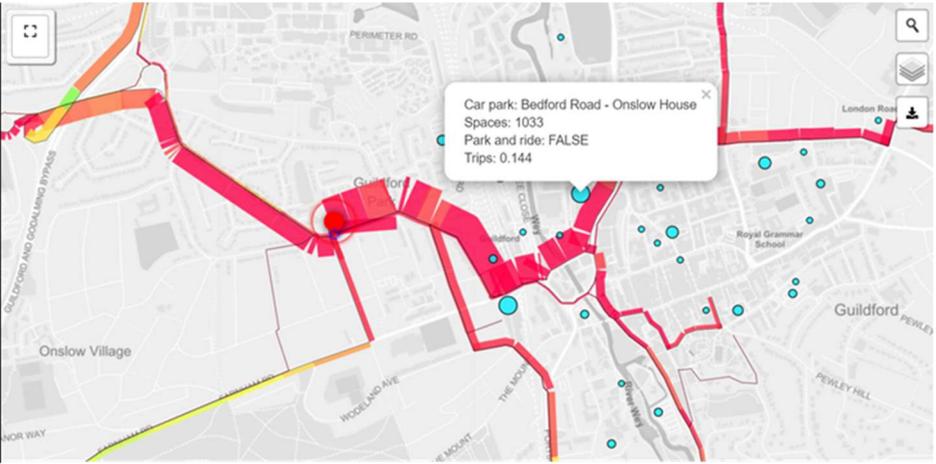
**Rail stations**

- Office of Rail and Road
- Annual patronage
- Illustrated by size



**Car parks**

- British Parking Association
- Park and ride?
- Illustrated by size



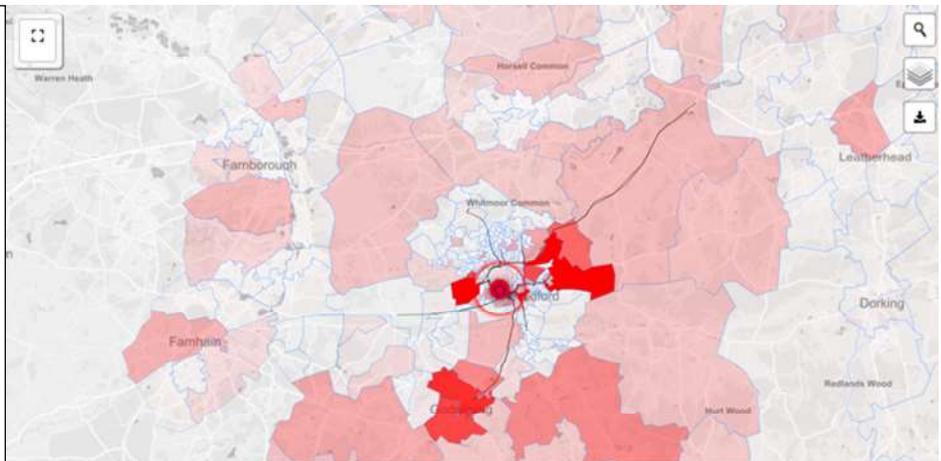
**Cycle routes and paths**

- OSM data



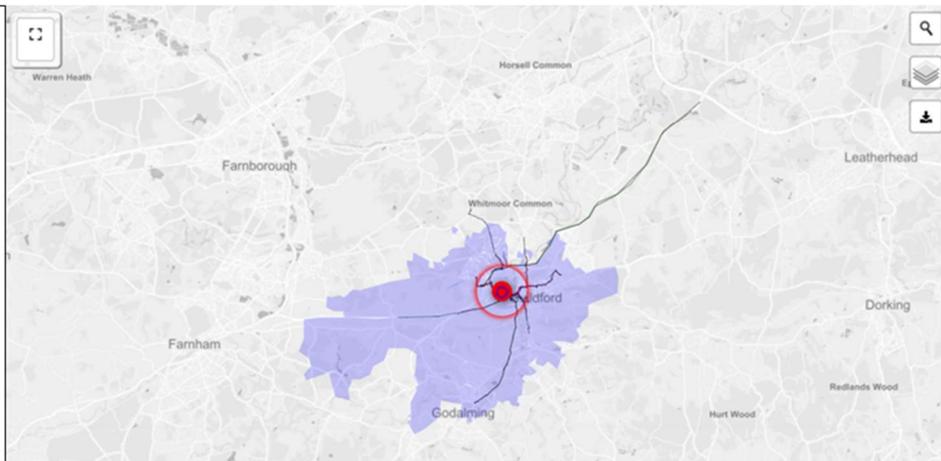
**Zone demand**

- Outputted from model
- At OA or MSOA level
- Disaggregated by journey purpose



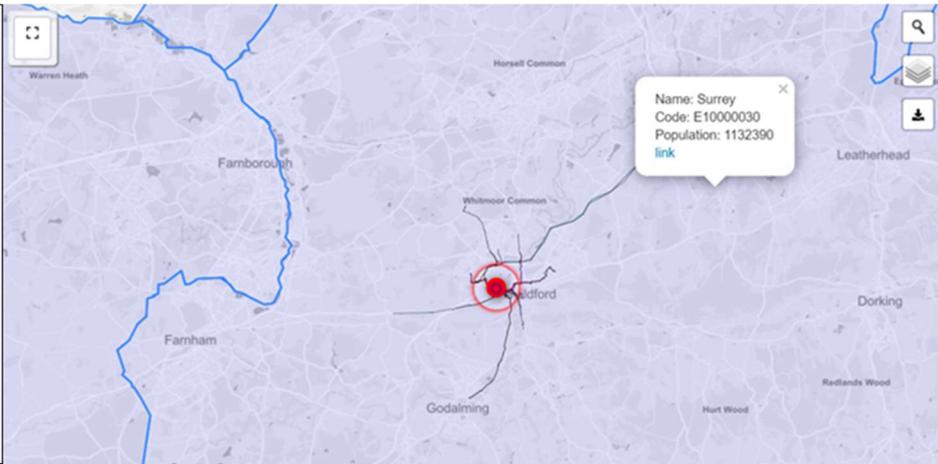
**10 minute isochrone**

- Outputted from model
- Based on zonal reach rather than link



**Unitary Authorities**

- Links to website



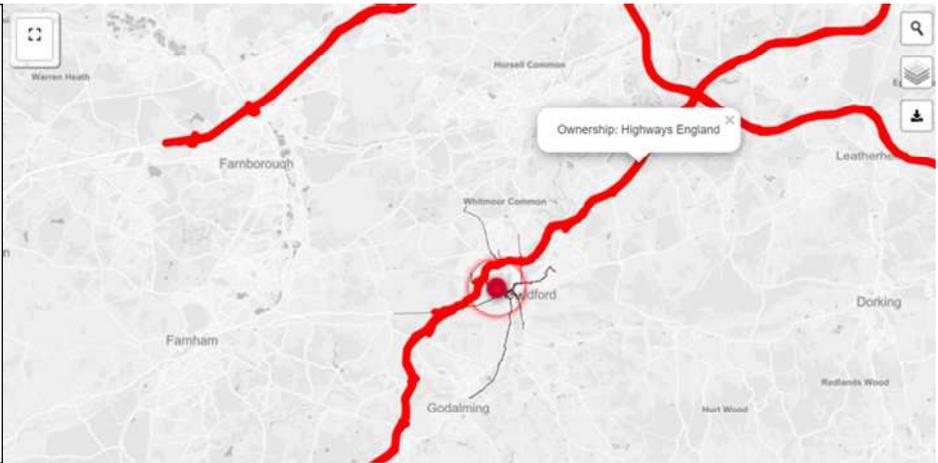
**Local Authorities**

- Links to website



**Trunk roads**

- Highways England or Transport for Wales

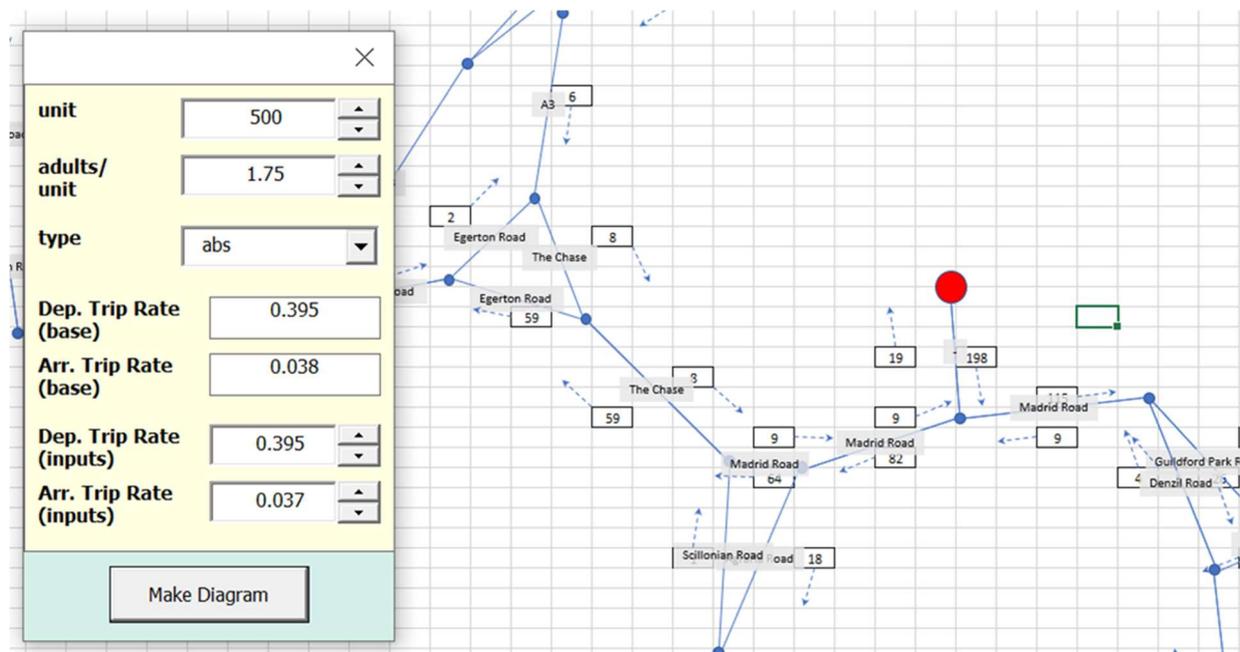




### Download Excel Outputs

After running a model a set of associated outputs are included within a macro-enabled Excel workbook.

After **downloading, opening** this file and **enabling editing and content** a **userform** is presented that allows you to **Make Diagram**.



The diagram is a schematic representation of the network, and is adjusted (links are shrunk, extended whilst maintaining a representative likeness) to allow for ease of use.

Values can be adjusted using the userform to represent changes to the model.

% distribution can also be shown.

There is a summary table of outputs for the site:

Main	Sub	from site			to site			total		
		trips	av distance (km)	av jt (mins)	trips	av distance (km)	av jt (mins)	trips	av distance (km)	av jt (mins)
work	ttw	100	10	15	5	10	17	105	10	15
shopping	supermarket	7	5	9	2	5	10	9	5	9
school	primary	44	5	9	4	5	10	48	5	9
school	secondary	29	3	7	3	3	8	32	3	7
other	other	8	22	31	1	22	32	9	22	32
other	rail	2	3	5	2	3	6	5	3	5
shopping	retailcentre	2	24	33	0	24	32	2	24	33
shopping	carpark_retailcentre	1	3	6	0	4	8	1	3	6
leisure	social	4	22	31	1	22	32	5	22	32
total		198	8	13	19	8	14	217	8	14



Additionally, there are link and zone outputs

It is intended that this diagram and outputs would be used as a starting point for further analysis using the distribution calculated. This further analysis could include:

- Single junction analysis (e.g. Arcady, LinSig etc)
- Microsimulation
- Zone demand within strategic model