

Presentación Evaluación Plan Maestro de Ciclovías del Gran Santiago

Ministerio de Transportes y Telecomunicaciones

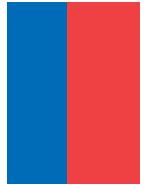


SECTRA

Ministerio de
Transportes y
Telecomunicaciones

Gobierno de Chile

Agosto - 2014

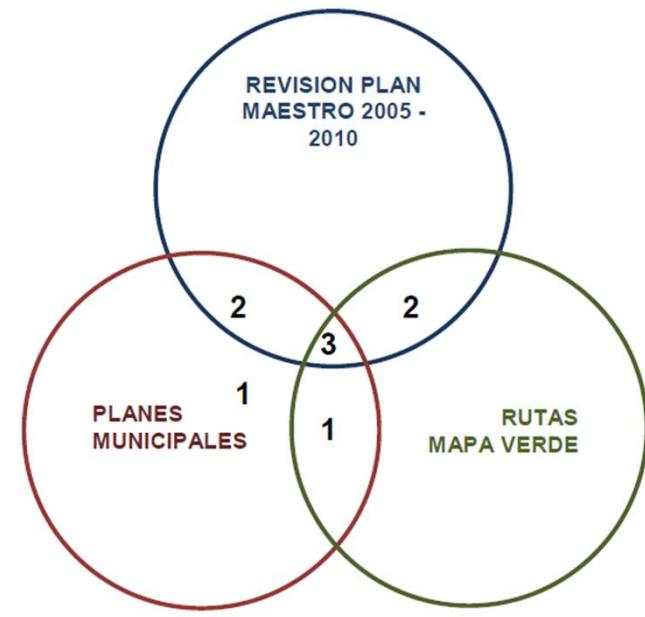
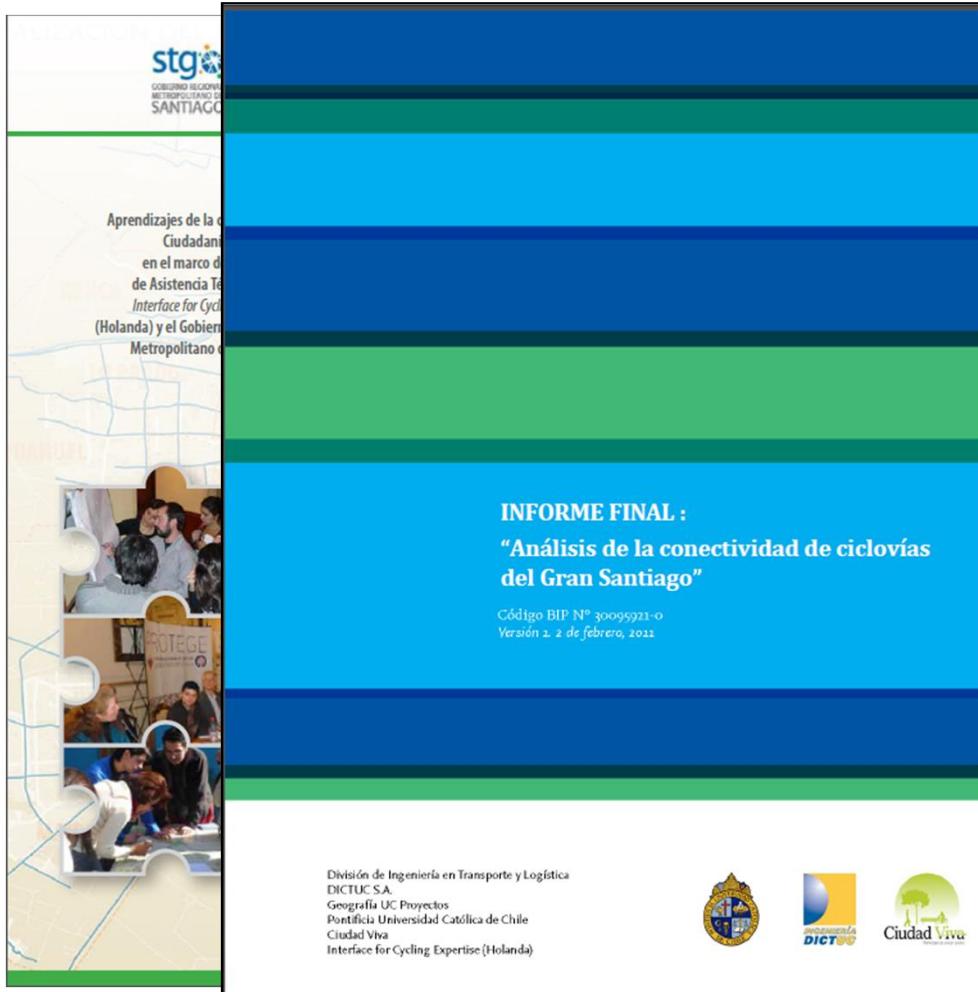
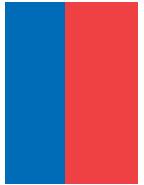


Plan Maestro de Ciclovías del Gran Santiago



Plan Maestro de Ciclovías del Gran Santiago

Origen



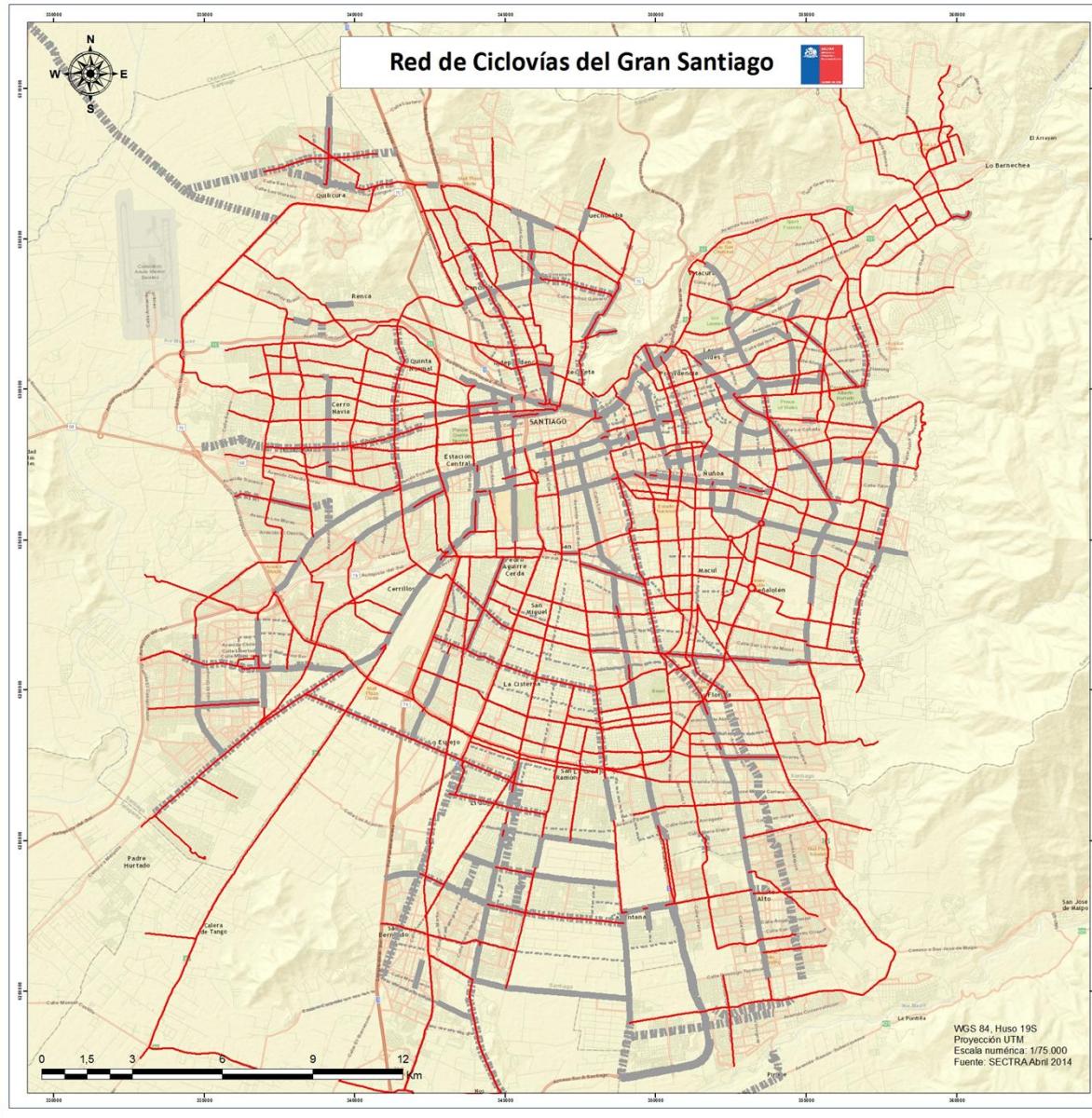
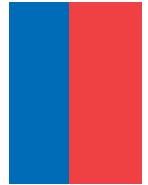
830 km

<http://ciudad.conmovedor.cl/wp-content/uploads/2013/02/Plan-Maestro-Ciclorutas-Bicentenario.7z>



Plan Maestro de Ciclovías del Gran Santiago

Ciclovías Proyectadas

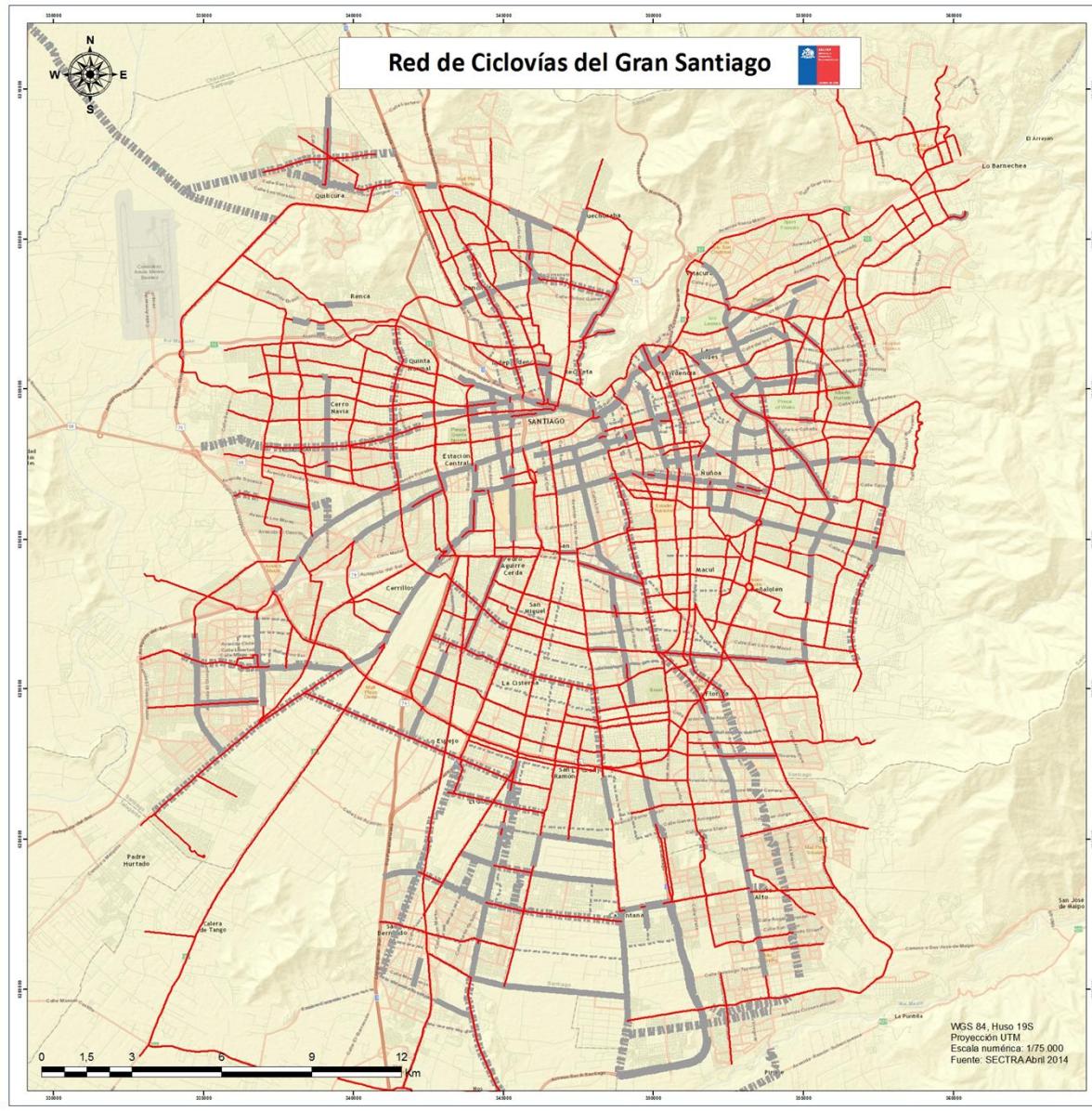


- Este plan fue evaluado socialmente
- Corresponde además al plan incluido en el Plan de Transporte Santiago 2025



Plan Maestro de Ciclovías del Gran Santiago

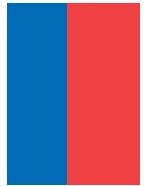
Ciclovías Proyectadas



| Comuna | Km proyectados | Km existentes |
|---------------------|----------------|---------------|
| Cerrillos | 22 | 4 |
| Cerro Navia | 21 | 2 |
| Conchali | 28 | 5 |
| Ñuñoa | 35 | 19 |
| El Bosque | 20 | 6 |
| Estación Central | 10 | 9 |
| Huechuraba | 7 | 1 |
| Independencia | 17 | - |
| La Cisterna | 28 | - |
| La Florida | 51 | 11 |
| La Granja | 21 | 2 |
| La Pintana | 28 | 17 |
| La Reina | 29 | 11 |
| Las Condes | 49 | 17 |
| Lo Barnechea | 21 | - |
| Lo Espejo | 15 | 3 |
| Lo Prado | 16 | 2 |
| Macul | 44 | 0 |
| Maipú | 59 | 13 |
| Peñalolén | 31 | 11 |
| Pedro Aguirre Cerda | 21 | 3 |
| Providencia | 45 | 15 |
| Pudahuel | 25 | 1 |
| Puente Alto | 43 | 20 |
| Quilicura | 16 | 3 |
| Quinta Normal | 31 | 2 |
| Recoleta | 22 | 5 |
| Renca | 17 | 2 |
| San Bernardo | 44 | 7 |
| San Joaquín | 24 | 7 |
| San Miguel | 24 | 1 |
| San Ramón | 15 | 1 |
| Santiago | 27 | 27 |
| Vitacura | 19 | 1 |
| TOTAL | 927 | 230 |

Plan Maestro de Ciclovías del Gran Santiago

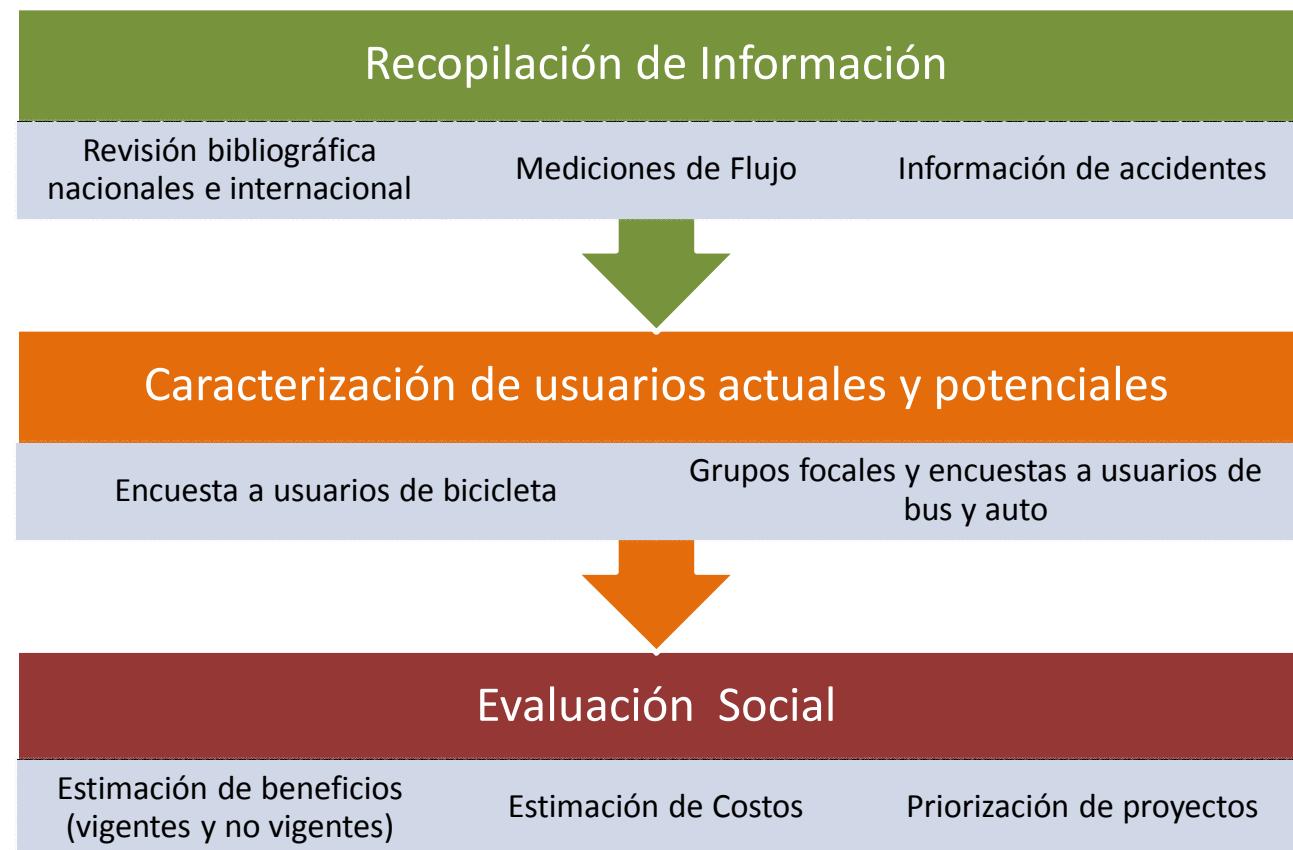
Estudio “Análisis y Evaluación del Plan Maestro de Ciclovías del Gran Santiago”

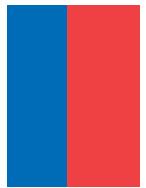


Objetivo:

Evaluar socialmente el Plan Maestro de Ciclovías del Gran Santiago

Principales Tareas:



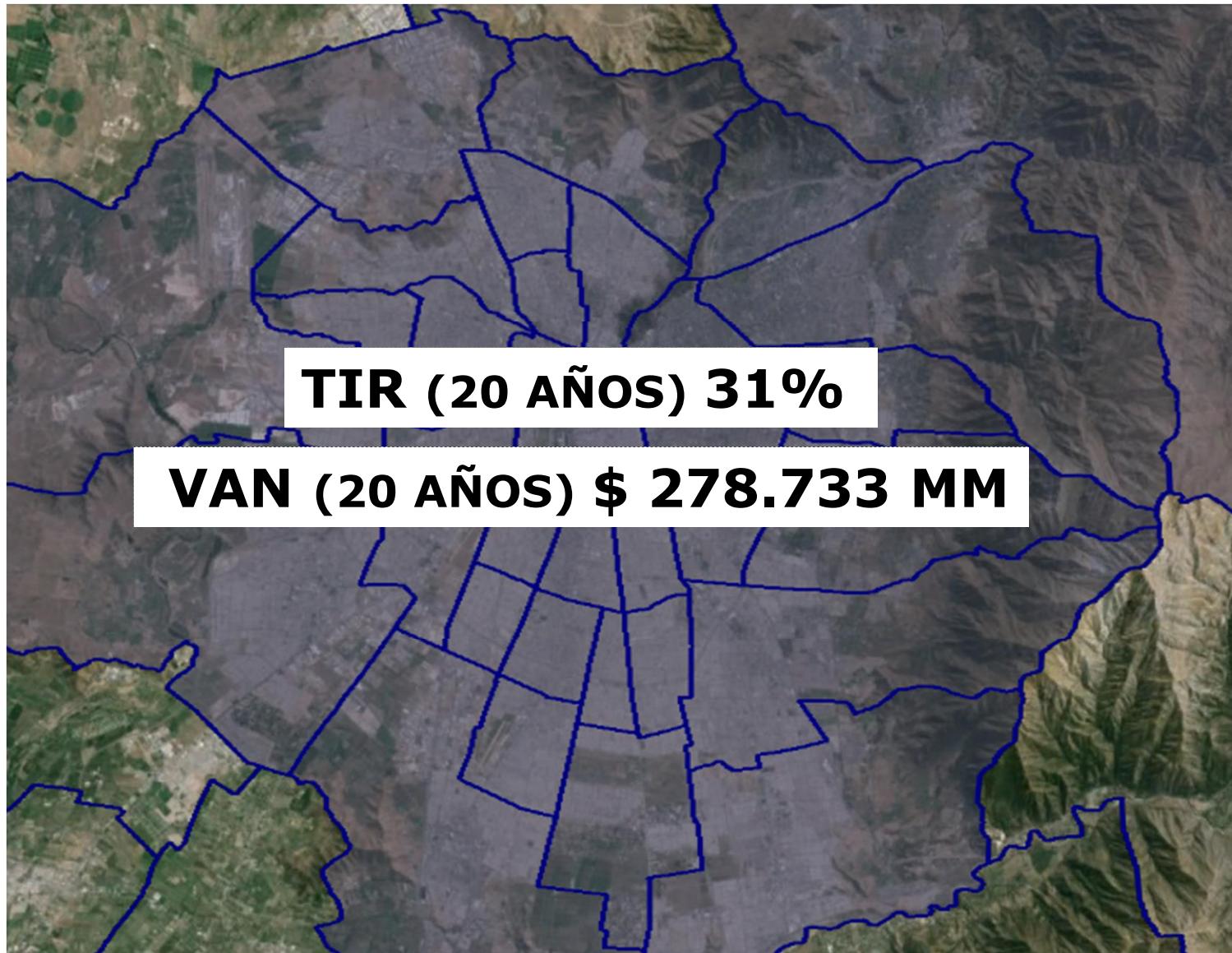
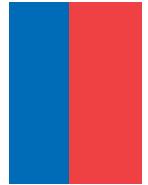


Resultados



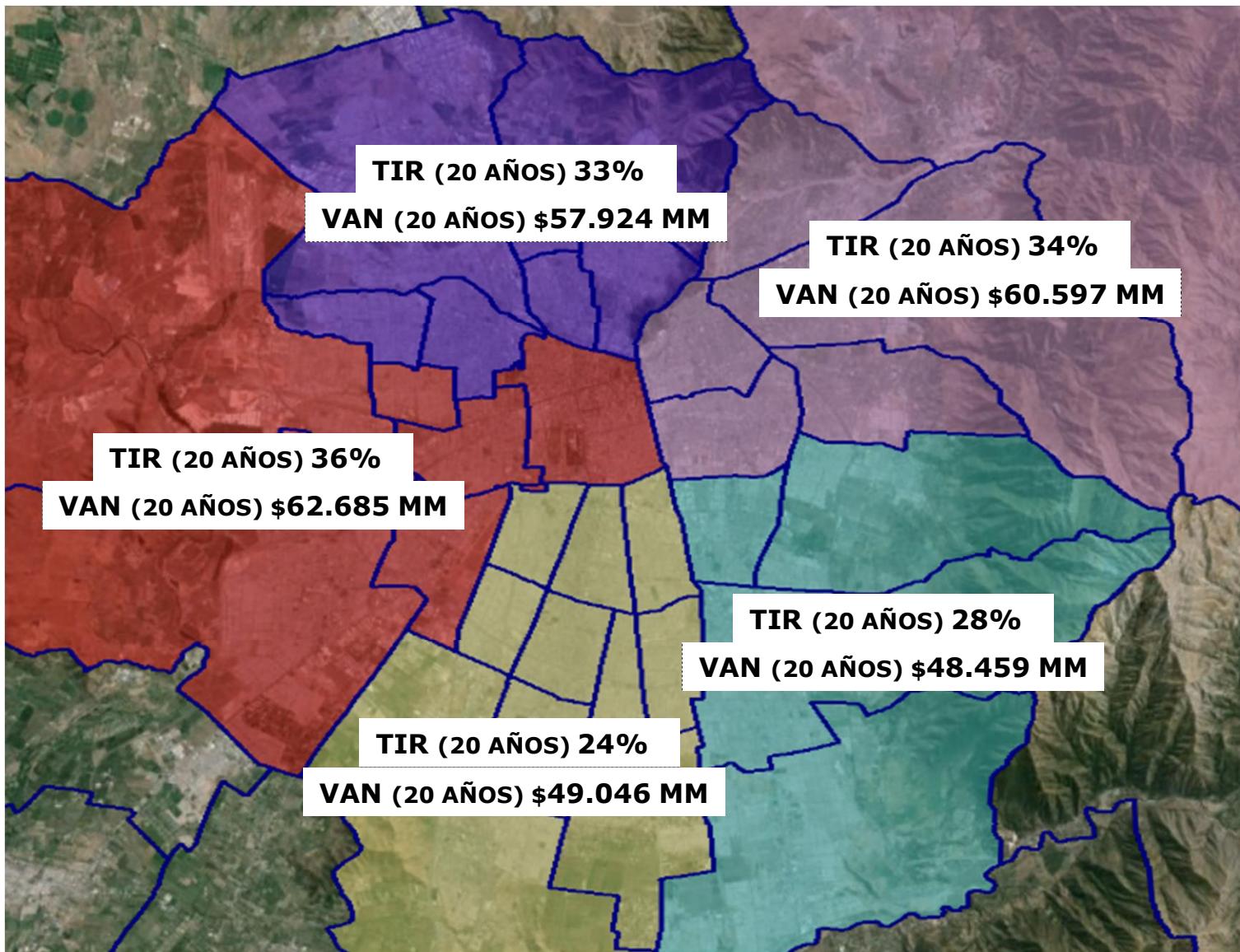
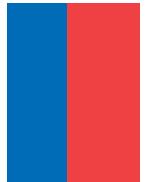
Plan Maestro de Ciclovías del Gran Santiago

Rentabilidad Plan Maestro



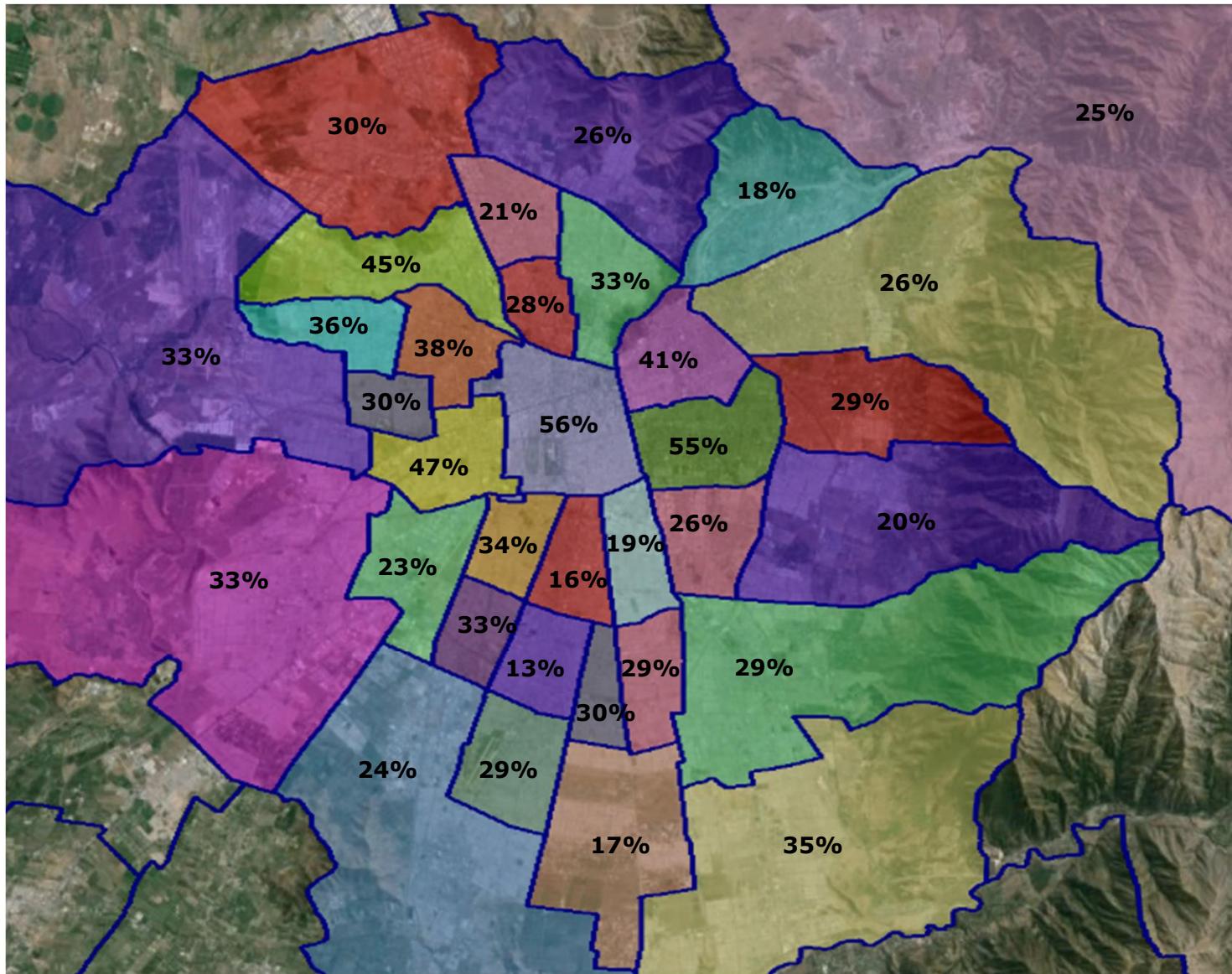
Plan Maestro de Ciclovías del Gran Santiago

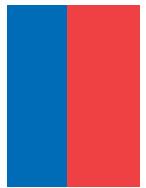
Rentabilidad por Agrupación



Plan Maestro de Ciclovías del Gran Santiago

Rentabilidad Comunal



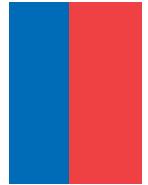


Utilitarios para la justificación y postulación de los proyectos



Plan Maestro de Ciclovías del Gran Santiago

Utilitarios

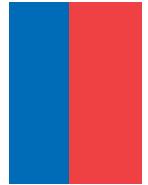


- Planilla resumen de evaluación
- Datos de viajes EOD 2006
- Mapas de apoyo



Plan Maestro de Ciclovías del Gran Santiago

Planilla Resumen de Evaluación



Datos del eje

- ID_2013
- Vía (eje de emplazamiento)
- Inicio
- Término
- Largo

Inputs Evaluación

- Beneficios asociados a modos motorizados (año 1)
- Beneficios asociados a modos no motorizados (año 1)
- Costos de construcción año 0
- Costo de mantenimiento bianual

Resultados evaluación

- Evaluación por eje: VAN, TIR
- Evaluación comunal: comuna a la que pertenece, VAN y TIR a 20 años
- Evaluación por agrupación: agrupación a la que pertenece, VAN y TIR a 20 años
- Etapa (priorización sugerida)
- Emplazamiento: acera, calzada, bandejón.



Plan Maestro de Ciclovías del Gran Santiago

Planilla Resumen de Evaluación

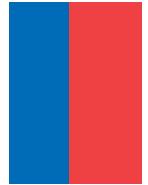
The screenshot shows an Excel spreadsheet with the following structure:

- Columns:**
 - ID_2013
 - VIA
 - INICIO
 - TERMINO
 - LARGO
 - Beneficio Motorizado año 1 (2014)
 - Beneficio No Motorizado año 1 (2014)
 - Costo Construcion año 0 (2013)
 - Costo Mantencion bianual (2015..)
- Rows:** 1 through 106, listing various cycling projects with their details and financial metrics.

| | A | B | C | D | E | F | G | H | I | J | K |
|-----|---------|---|---------------------------------|---------------------------|-------|-----------------------------------|--------------------------------------|--------------------------------|-----------------------------------|---|---|
| 1 | ID_2013 | VIA | INICIO | TERMINO | LARGO | Beneficio Motorizado año 1 (2014) | Beneficio No Motorizado año 1 (2014) | Costo Construcion año 0 (2013) | Costo Mantencion bianual (2015..) | | |
| 71 | 1.019 | La Marina | Jose Joaquin Prieto (Autopista) | Calle San Francisco | 0,40 | \$ 0 | \$ 0 | -\$ 39.649.091 | -\$ 1.764.887 | | |
| 72 | 227 | Av. Colón | Presidente Jorge Alessandr | San Francisco | 4,21 | \$ 70.377.150 | \$ 53.428.378 | -\$ 443.636.099 | -\$ 15.478.618 | | |
| 73 | 229 | Av. Portales | Av. Colón | Regina Gálvez | 5,36 | \$ 94.000.016 | \$ 26.581.789 | -\$ 385.231.703 | -\$ 22.284.316 | | |
| 74 | 230 | San José | Av. Portales | Av. Padre Hurtado | 1,66 | \$ 5.397.674 | \$ 37.665.056 | -\$ 119.120.088 | -\$ 6.890.683 | | |
| 75 | 105 | Gran Avenida José Miguel Carrera | Lo Blanco | Balmaceda | 1,24 | \$ 7.806.401 | \$ 11.878.840 | -\$ 130.440.987 | -\$ 4.551.131 | | |
| 76 | 228 | Av. Colón | Presidente Jorge Alessandr | San Francisco | 0,45 | \$ 7.477.173 | \$ 6.213.463 | -\$ 32.197.626 | -\$ 1.862.521 | | |
| 77 | 440 | Padre Hurtado | Camino El Mariscal | San Jorge | 4,95 | \$ 23.168.100 | \$ 11.601.249 | -\$ 520.889.701 | -\$ 18.174.023 | | |
| 78 | 424 | Pinto | Balmaceda | Colón | 0,61 | \$ 2.229.483 | \$ 14.493.778 | -\$ 29.261.559 | -\$ 2.091.854 | | |
| 79 | 464 | Av. Ferrocarril | Ochagavia | Lo Espejo | 3,02 | \$ 82.527.422 | \$ 6.321.873 | -\$ 317.808.849 | -\$ 11.088.461 | | |
| 80 | 465 | Alonso de Ercilla | Lo Blanco | Av. Pinto | 1,39 | \$ 10.353.285 | \$ 14.138.165 | -\$ 145.945.431 | -\$ 5.092.087 | | |
| 81 | 441 | Regina Gálvez / Camino Los Morros | Portales | Padre Hurtado | 2,22 | \$ 5.544.541 | \$ 3.086.625 | -\$ 233.648.777 | -\$ 8.152.087 | | |
| 82 | 442 | Regina Gálvez / Camino Los Morros | Portales | Padre Hurtado | 1,11 | \$ 2.779.695 | \$ 1.065.680 | -\$ 117.137.280 | -\$ 4.086.960 | | |
| 83 | 443 | Camino La Capilla de Nos | El Barrancón | Portales | 2,21 | \$ 2.376.697 | \$ 1.462.728 | -\$ 232.703.737 | -\$ 8.119.114 | | |
| 84 | 494 | Camino a Calera de Tango / El Barrancón | Camino a Lonquén Norte | Regina Gálvez | 1,72 | \$ 3.272.170 | \$ 162.219 | -\$ 180.976.163 | -\$ 6.314.321 | | |
| 85 | 1.020 | Las Americas | Lo Blanco | Eucaliptus | 3,69 | \$ 0 | \$ 0 | -\$ 362.708.953 | -\$ 16.145.147 | | |
| 86 | 1.021 | Francisco Camargo - José Besa | Lo Blanco | Colon | 1,72 | \$ 0 | \$ 0 | -\$ 168.726.505 | -\$ 7.510.468 | | |
| 87 | 1.022 | Eucaliptus - Almirante Rivero | Av Portales | Eyzaguirre | 2,01 | \$ 0 | \$ 0 | -\$ 197.604.296 | -\$ 8.795.896 | | |
| 88 | 1.023 | Covadonga | Portales | Las Americas | 1,13 | \$ 0 | \$ 0 | -\$ 110.499.796 | -\$ 4.918.642 | | |
| 89 | 1.024 | Los Canelos | Padre Hurtado | Portales | 1,69 | \$ 0 | \$ 0 | -\$ 165.857.830 | -\$ 7.382.776 | | |
| 90 | 1.073 | Catemito | Caletera ruta 10 | Limite Comunal | 2,57 | \$ 0 | \$ 0 | -\$ 252.084.282 | -\$ 11.220.946 | | |
| 91 | 1.074 | Ochagavia | Las Acacias | Lo Blanco | 1,41 | \$ 0 | \$ 0 | -\$ 138.662.897 | -\$ 6.172.257 | | |
| 92 | 93 | Av. Santa Rosa | Celia Solar | Av. Lo Ovalle | 4,74 | \$ 91.956.525 | \$ 20.830.196 | -\$ 703.526.896 | -\$ 17.443.541 | | |
| 93 | 316 | Av. Vicuña Mackenna | Rodrigo de Araya | Av. Lo Ovalle | 4,14 | \$ 87.756.476 | \$ 6.897.527 | -\$ 436.231.226 | -\$ 15.220.259 | | |
| 94 | 95 | Av. Departamental | Av. Santa Rosa | Av. Vicuña Mackenna | 1,31 | \$ 18.204.177 | \$ 4.385.275 | -\$ 137.839.923 | -\$ 9.009.873 | | |
| 95 | 97 | Av. Lo Ovalle | Av. Santa Rosa | Punta Arenas | 2,48 | \$ 12.101.493 | \$ 19.319.673 | -\$ 191.304.639 | -\$ 10.108.763 | | |
| 96 | 185 | Presidente Salvador Allende | Av. Santa Rosa | Av. Vicuña Mackenna | 2,18 | \$ 16.227.712 | \$ 7.206.502 | -\$ 124.401.644 | -\$ 7.578.137 | | |
| 97 | 435 | Santa María / Celia Solar | Av. Santa Rosa | Av. Vicuña Mackenna | 0,99 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | | |
| 98 | 436 | Santa María / Celia Solar | Av. Santa Rosa | Av. Vicuña Mackenna | 0,80 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | | |
| 99 | 1.075 | Parque La Aguada | Santa Rosa | Vicuña Mackenna | 2,39 | \$ 0 | \$ 0 | -\$ 235.066.122 | -\$ 10.463.422 | | |
| 100 | 1.076 | J.Canning-Cdte Riesle | Santa Rosa | Los Copihues | 1,03 | \$ 0 | \$ 0 | -\$ 100.666.723 | -\$ 4.480.945 | | |
| 101 | 1.077 | San Nicolás-Capitán Prat | Santa Rosa | Vicuña Mackenna | 2,19 | \$ 0 | \$ 0 | -\$ 214.610.087 | -\$ 9.552.870 | | |
| 102 | 1.078 | Varas Mena-Parque Maihue | Santa Rosa | Vicuña Mackenna-Lo Ovalle | 2,23 | \$ 0 | \$ 0 | -\$ 218.537.642 | -\$ 9.727.696 | | |
| 103 | 186 | Gran Avenida José Miguel Carrera | Av. Isabel Riquelme | Av. Lo Ovalle | 4,22 | \$ 48.300.348 | \$ 13.233.197 | -\$ 358.874.006 | -\$ 16.747.690 | | |
| 104 | 271 | Av. Departamental | Av. Jose Miguel Carrera | Av. Santa Rosa | 1,57 | \$ 9.107.380 | \$ 7.234.923 | -\$ 164.947.044 | -\$ 5.755.060 | | |
| 105 | 96 | Av. Lo Ovalle | Av. José Joaquín Prieto Vi | Av. Santa Rosa | 3,31 | \$ 31.684.912 | \$ 11.238.997 | -\$ 382.150.752 | -\$ 12.185.190 | | |
| 106 | 183 | Salariense | Av. José Joaquín Prieto Vi | Av. Santa Rosa | 1,15 | \$ 11.800.600 | \$ 6.343.140 | -\$ 137.811.080 | -\$ 4.236.145 | | |

Plan Maestro de Ciclovías del Gran Santiago

Datos de viajes EOD



Matrices de viajes

- Transporte Privado
- Transporte Público
- Bicicleta
- Caminata

- Número de viajes diarios en cada modo entre las comunas A y B
- % de viajes diarios entre las comunas A y B



Plan Maestro de Ciclovías del Gran Santiago

Datos de viajes EOD

29 mil viajes diarios en transporte privado entre Puente Alto (origen) y La Florida (destino)

| Comuna | Calera de Tango | Cerrillos | Cerro Navia | Colina | Conchalí | El Bosque | Estación Central | Huechuraba | Independencia | La Cisterna | La Florida | La Granja | La Pintana | La Reina | Lampa | Las Condes | Lo Barnechea | Lo Espe | |
|--------------------------------------|-----------------|-----------|-------------|--------|----------|-----------|------------------|------------|---------------|-------------|------------|-----------|------------|----------|--------|------------|--------------|---------|-----|
| VIAJES COMUNALES DURANTE TODO EL DÍA | | | | | | | | | | | | | | | | | | | |
| 4 Calera de Tango | - | 1.356 | | - | | | | | | | | | | | | | | | |
| 5 Cerrillos | 1.075 | 3.784 | 291 | | | 1.287 | 172 | | | | 1.063 | 1.116 | 200 | - | | 733 | | | |
| 6 Cerro Navia | | - | 4.569 | | 216 | | 188 | | | | | | | | | 337 | 440 | 730 | |
| 7 Colina | | - | | 18.046 | 2.583 | | | 1.31 | | | | | | | 29 | - | 508 | 4.003 | |
| 8 Conchalí | | | 216 | 2.121 | 15.048 | 1.281 | - | 29 | | | | | | | 59 | 224 | 1.252 | 404 | |
| 9 El Bosque | | 421 | | | | 1.281 | 4.168 | 41 | | | | | | | | 2.003 | | | |
| 10 Estación Central | | 1.221 | 188 | | - | | 13.031 | 42 | | | | | | | - | 120 | 560 | 474 | |
| 11 Huechuraba | | | | - | 2.081 | 411 | 1.088 | 83 | | | | | | | 52 | - | 3.623 | 1.037 | |
| 12 Independencia | | - | | | | 4.217 | - | 163 | | | | | | | 81 | 3.747 | - | | |
| 13 La Cisterna | | | | 768 | | 14.107 | - | 51 | | | | | | | 38 | 2.679 | | | |
| 14 La Florida | | 1.758 | 724 | | | 641 | 3.162 | 345 | 66 | | | | | | 92 | 6.851 | 380 | | |
| 15 La Granja | | 1.116 | | | | | 4.434 | - | 22 | | | | | | | 807 | 1.025 | | |
| 16 La Pintana | | 235 | | | | - | - | - | | | | | | | | 675 | 416 | | |
| 17 La Reina | 432 | - | | 1.229 | 559 | | - | 1.06 | | | | | | | 72 | 28.100 | 2.227 | | |
| 18 Lampa | | | 305 | - | 403 | | 120 | | | | | | | | | 11.481 | | | |
| 19 Las Condes | | 733 | 512 | 508 | 1.252 | 3.018 | 999 | 3.05 | | | | | | | 43 | 239.445 | 26.681 | | |
| 20 Lo Barnechea | | | 730 | 4.003 | 404 | | 251 | 1.10 | | | | | | | 38 | 27.768 | 43.272 | | |
| 21 Lo Espejo | | 1.598 | | | | - | - | | | | | | | | | - | | 7 | |
| 22 Lo Prado | | 2.014 | 2.740 | 276 | 719 | 722 | 1.364 | | | | | | | | | - | | 222 | |
| 23 Macul | | | - | | - | | 147 | 1.734 | | | | | | | | 3.900 | 236 | | |
| 24 Maipú | | 2.472 | 6.285 | 915 | 2.133 | 4.159 | 6.583 | 11.602 | 473 | - | 1.431 | 1.06 | - | | 4.567 | 4.977 | 2.004 | | |
| 25 Ñuñoa | | 3.217 | | 518 | 453 | 1.606 | - | 243 | 335 | 140 | - | 3.87 | 863 | | 10.725 | - | 12.912 | | |
| 26 P. A. Cerdá | | - | | | | | 626 | 833 | 378 | - | 1.059 | 1.02 | - | | | | 1.139 | - | |
| 27 Peñalolén | | | | 478 | | | 742 | - | - | | | 11.04 | - | 424 | 5.293 | 5.005 | 776 | | |
| 28 Pirque | | - | | | | | | | | | | | | | | | | | |
| 29 Providencia | | 1.106 | 1.598 | - | 1.577 | - | 291 | 3.742 | 5.468 | 1.861 | 9.040 | - | | | 10.158 | 2.326 | 54.152 | 3.268 | |
| 30 Pudahuel | | 1.793 | 4.492 | | - | | 4.621 | 352 | 548 | 1.018 | 470 | 636 | 279 | 446 | 1.081 | 5.024 | 1.284 | | |
| 31 Puente Alto | | - | - | 725 | - | 220 | 4.961 | - | | 1.978 | 28.816 | 185 | 2.771 | | | | | 1.519 | |
| 32 Quilicura | | | 296 | 2.403 | 802 | | 368 | 1.502 | 5.105 | - | 702 | 1.332 | | | | 709 | 5.056 | 2.317 | 207 |
| 33 Quinta Normal | | 116 | 1.727 | | | | 2.827 | | - | | 455 | - | | | | 413 | 1.378 | | |
| 34 Recoleta | | 537 | 266 | 1.528 | 10.785 | 174 | - | 2.817 | 5.304 | | 4.120 | - | | | 2.209 | 966 | 3.182 | 623 | |
| 35 Renca | | - | 273 | 426 | 553 | | 2.659 | | 2.941 | - | | 187 | | | 1.897 | 255 | 825 | | |
| 36 San Bernardo | | - | 230 | 2.860 | | 6.811 | 822 | 265 | 466 | 1.998 | 1.243 | 105 | 1.521 | | | | 2.439 | | |
| 37 San Joaquín | | - | 518 | 312 | | 742 | - | - | 476 | - | 3.427 | 1.217 | - | | | | - | | |
| 38 San Miguel | | | | | 448 | | 1.521 | 5.453 | | 1.079 | 2.110 | 1.959 | 347 | | | | 3.641 | 1.345 | |
| 39 San Ramón | | - | | | | | 964 | | 573 | | 1.730 | 2.466 | 3.407 | 3.124 | | | 432 | | |

Plan Maestro de Ciclovías del Gran Santiago

Datos de viajes EOD

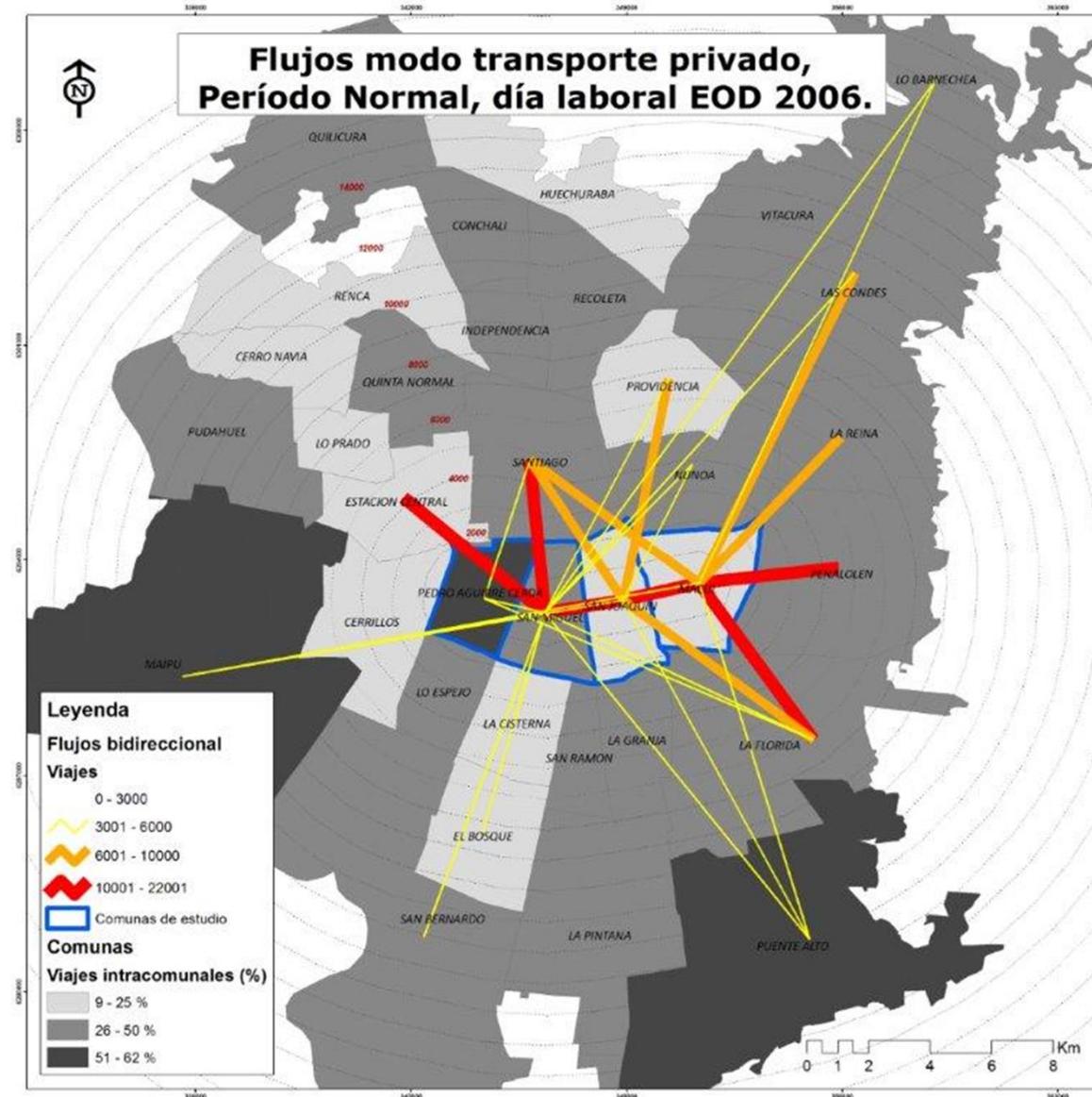
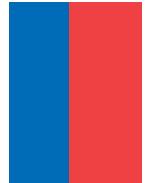
A46 fx Comuna

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S |
|----|--|-----------------|-----------|-------------|--------|----------|-----------|------------------|------------|---------------|-------------|------------|-----------|------------|----------|-------|------------|--------------|---------|
| 45 | % de viajes comunitarios durante todo el día | | | | | | | | | | | | | | | | | | |
| 46 | Comuna | Calera de Tango | Cerrillos | Cerro Navia | Colina | Conchalí | El Bosque | Estación Central | Huechuraba | Independencia | La Cisterna | La Florida | La Granja | La Pintana | La Reina | Lampa | Las Condes | Lo Barnechea | Lo Espe |
| 47 | Calera de Tango | 0% | 10% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| 48 | Cerrillos | 5% | 16% | 1% | 0% | 0% | 5% | 1% | 0% | 0% | 0% | 5% | 5% | 1% | 0% | 0% | 3% | 0% | 0% |
| 49 | Cerro Navia | 0% | 0% | 16% | 0% | 1% | 0% | 1% | 0% | 0% | 0% | 2% | 0% | 0% | 0% | 1% | 1% | 2% | 0% |
| 50 | Colina | 0% | 0% | 0% | 48% | 7% | 0% | 0% | 3% | 0% | 2% | 0% | 0% | 0% | 3% | 0% | 1% | 1% | 11% |
| 51 | Conchalí | 0% | 0% | 0% | 4% | 29% | 2% | 0% | 1% | 6% | 0% | 1% | 0% | 0% | 1% | 0% | 2% | 1% | 1% |
| 52 | El Bosque | 0% | 1% | 0% | 0% | 3% | 9% | 0% | 1% | 0% | 31% | 5% | 7% | 0% | 0% | 0% | 4% | 0% | 0% |
| 53 | Estación Central | 0% | 2% | 0% | 0% | 0% | 20% | 1% | 0% | 1% | 1% | 1% | 0% | 0% | 0% | 0% | 1% | 1% | 1% |
| 54 | Huechuraba | 0% | 0% | 0% | 5% | 1% | 3% | 23% | 0% | 4% | 0% | 1% | 0% | 0% | 3% | 0% | 9% | 3% | 0% |
| 55 | Independencia | 0% | 0% | 0% | 9% | 0% | 0% | 3% | 30% | 0% | 1% | 0% | 0% | 0% | 2% | 0% | 8% | 0% | 0% |
| 56 | La Cisterna | 0% | 0% | 0% | 1% | 0% | 25% | 0% | 1% | 0% | 25% | 5% | 3% | 0% | 0% | 0% | 5% | 0% | 0% |
| 57 | La Florida | 0% | 1% | 0% | 0% | 2% | 0% | 0% | 0% | 1% | 43% | 5% | 0% | 2% | 0% | 0% | 3% | 0% | 0% |
| 58 | La Granja | 0% | 2% | 0% | 0% | 9% | 0% | 0% | 4% | 4% | 37% | 0% | 0% | 0% | 2% | 0% | 2% | 2% | 0% |
| 59 | La Pintana | 0% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 6% | 0% | 0% | 0% | 0% | 0% | 3% | 2% | 0% |
| 60 | La Reina | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 22% | 0% | 0% |
| 61 | Lampa | 0% | 0% | 1% | 0% | 2% | 0% | 1% | 0% | 8% | 0% | 0% | 0% | 0% | 0% | 51% | 0% | 0% | 0% |
| 62 | Las Condes | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 1% | 0% | 1% | 0% | 0% | 7% | 0% | 0% | 49% | 5% | 0% |
| 63 | Lo Barnechea | 0% | 0% | 1% | 4% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% | 0% | 2% | 0% | 27% | 42% | 0% |
| 64 | Lo Espejo | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 5% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| 65 | Lo Prado | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% |
| 66 | Macul | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 8% | 3% | 0% |
| 67 | Maipú | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 1% | 0% | 1% | 0% | 0% |
| 68 | Nuñoa | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 7% | 0% | 0% |
| 69 | P. A. Cerdá | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 3% | 4% | 0% | 0% | 0% | 3% | 0% | 0% |
| 70 | Peñalolén | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 5% | 0% | 0% | 1% | 0% | 0% |
| 71 | Pirque | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| 72 | Providencia | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 19% | 0% | 1% |
| 73 | Pudahuel | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 4% | 1% | 0% | 0% |
| 74 | Puente Alto | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 16% | 0% | 0% | 2% | 0% | 0% | 1% | 0% | 0% |
| 75 | Quilicura | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 2% | 6% | 0% | 1% | 0% | 1% | 6% | 3% | 0% | 0% |
| 76 | Quinta Normal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% | 3% | 0% | 0% |
| 77 | Recoleta | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 3% | 5% | 0% | 4% | 0% | 2% | 1% | 3% | 1% | 0% |
| 78 | Renca | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 9% | 0% | 0% | 1% | 0% | 0% | 6% | 3% | 0% | 0% |
| 79 | San Bernardo | 0% | 0% | 0% | 1% | 1% | 0% | 2% | 0% | 0% | 1% | 3% | 2% | 0% | 2% | 0% | 3% | 0% | 0% |
| 80 | San Joaquín | 0% | 0% | 1% | 0% | 0% | 2% | 0% | 0% | 1% | 0% | 8% | 3% | 0% | 0% | 0% | 0% | 0% | 0% |
| 81 | San Miguel | 0% | 0% | 0% | 1% | 0% | 2% | 7% | 0% | 1% | 3% | 3% | 0% | 0% | 0% | 0% | 5% | 2% | 0% |
| 82 | San Ramón | 0% | 0% | 0% | 0% | 0% | 4% | 0% | 2% | 0% | 6% | 9% | 12% | 11% | 0% | 0% | 2% | 0% | 0% |
| 83 | Santiago | 2% | 0% | 1% | 0% | 2% | 0% | 2% | 1% | 1% | 1% | 3% | 1% | 0% | 2% | 0% | 6% | 1% | 0% |

16% de los viajes diarios en transporte privado con origen en Puente Alto tienen su destino en La Florida

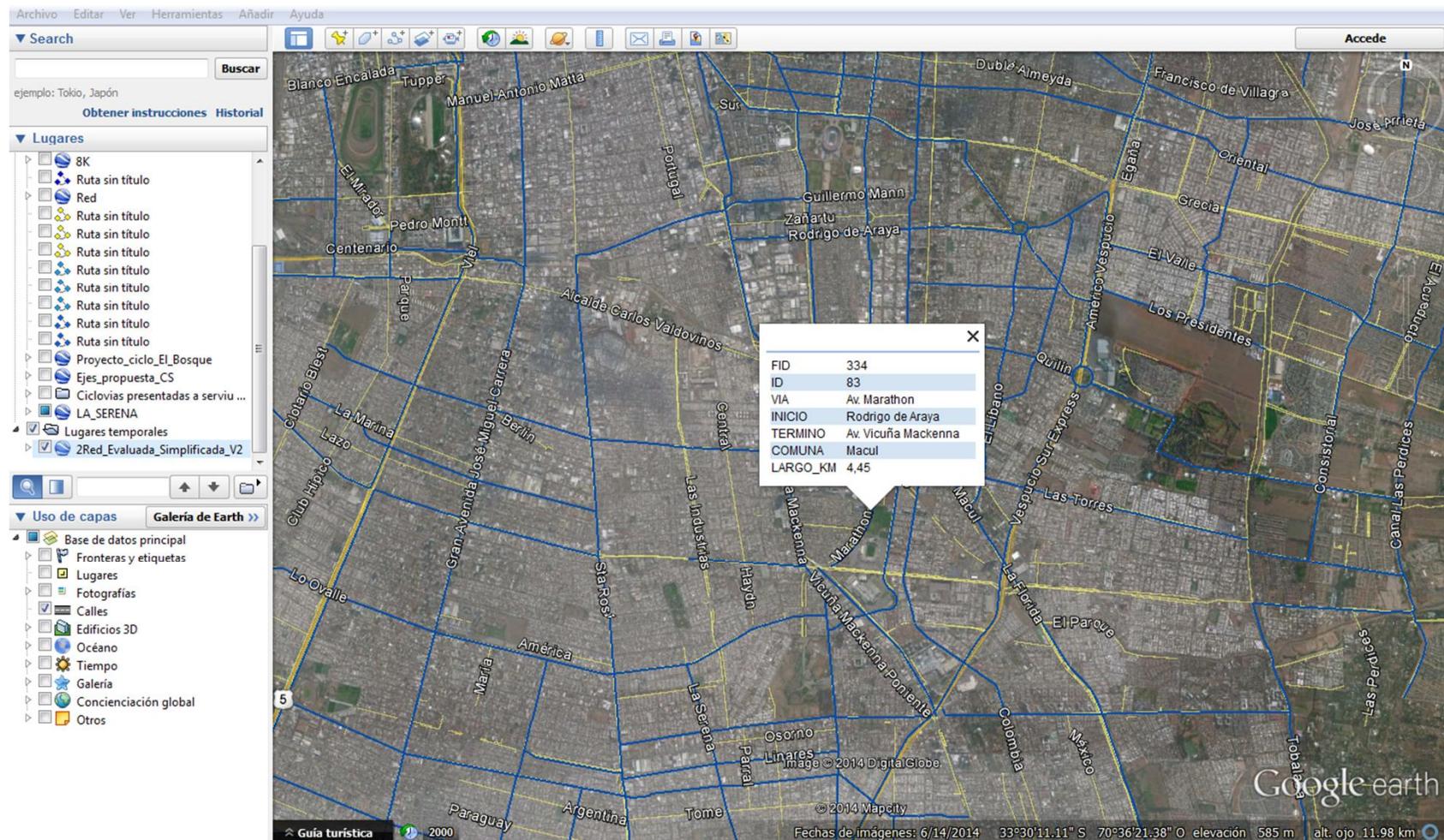
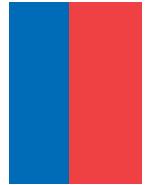
Plan Maestro de Ciclovías del Gran Santiago

Mapas de Apoyo



Plan Maestro de Ciclovías del Gran Santiago

Mapas de Apoyo



Gracias



SECTRA
Ministerio de
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