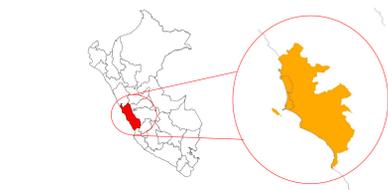


Sustainable transport corridors from the PUCP: proposal to improve the mobility of the university community in the city of Lima

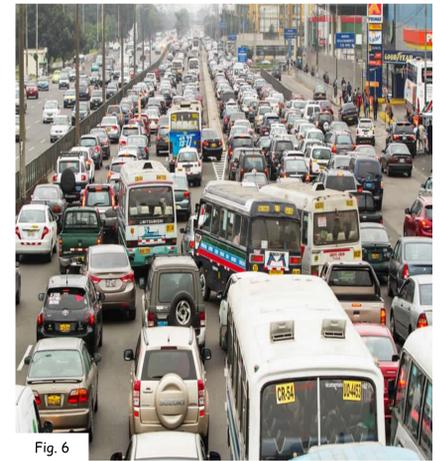


- ✓ Traffic in Lima: problem for the quality of life of the inhabitants.
- ✓ High levels of stress in people due to various factors regarding transport.
- ✓ Increase travel times.
- ✓ The population has been forced to modify their habits in terms of hours, meals, sleeping times.
- ✓ Environmental pollution: carbon emissions from cars. This leads to health problems.

The problem: the traffic in Lima



- ✓ Greater use of fuel and increase its cost.
- ✓ Problems of insecurity on the tracks and in transport.
- ✓ The discomfort in public transport.
- ✓ Increase in the individual use of the car, not compatible with the growth of the population in the city.
- ✓ There is no constant use of bicycles due to the absence of cycle paths.
- ✓ Absence or deficiencies in public transport policies.



What do we want? Improve the quality of transportation, starting from our university community.



OUR PROPOSAL AND POSITIVE LONG-TERM IMPACTS



Fig. 11

- ✓ Routes: 1 hour on the way and 1 hour on the way back.
- ✓ Distance: between 10-15 km Operation: Monday - Friday (until 10 p.m) and Saturday (until 6 p.m.)
- ✓ Use: staff and community PUCP
- ✓ Admission: with university or worker card.
- ✓ Fuel: natural gas / future: electric bus.
- ✓ A minimum monthly bonus will be charged to students and workers.
- ✓ Parking lots
 - ✓ From the North: Parking of EE.GG.LL (collection center) and Riva Agüero (exit).
 - ✓ From the south: Main door (collection center and exit).
 - ✓ From the East: EE.GG.CC. (collection center) and exit through the main door.



Fig. 12

City of Lima

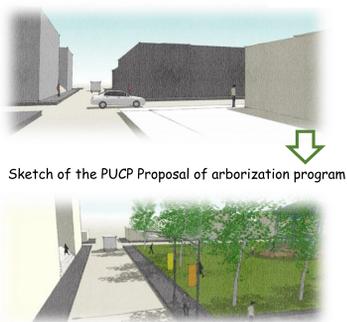


Fig. 15

- ✓ It will be a mitigation strategy to reduce emissions, as well as avoiding other types of pollution.
- ✓ Compensation for emissions from transport is proposed, promoted through an arborization program in the areas where the bus transits, defining a diversity of species that are the most appropriate for the absorption of pollutants.

- ✓ Reduce the stretches and time to reach the university.
- ✓ A contribution to improve the quality of transport for the university community.
- ✓ In addition to improving safety, and making efforts to use eco-efficient transportation.

Fig. 16



Sketch of the PUCP Proposal of arborization program

- ✓ Avoid the individual use of the car by the PUCP community.
- ✓ Use the space of the PUCP to expand the green areas and not for parking lots for the largest number of cars.

Fig. 17

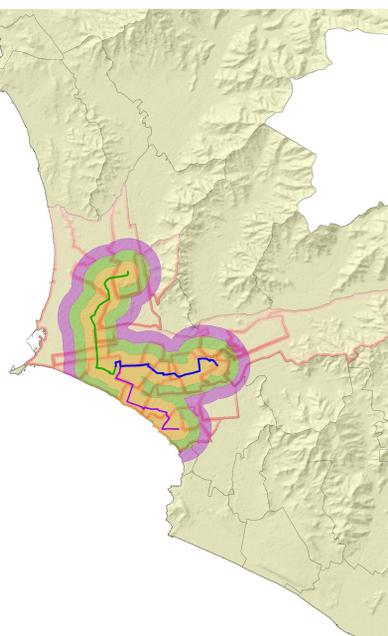


Fig. 13

North PUCP Corridor

Route (Avenues):
 Av. Riva Agüero - La Mar (Cipriano Dulanto)
 Av. Parque de las Leyendas
 Av. de los Precursos
 Av. Elmer Faucett
 Calle Carbono
 Av. El Olivar
 Av. Los Próceres
 Av. 12 de Octubre
 Av. Antúnez de Mayolo

Bus Stops: Place - District

1. Puerta Riva Agüero - San Miguel
2. La Mar - San Miguel
3. Parque de las Leyendas - San Miguel
4. Precursos con Escardó - San Miguel
5. Precursos con Faucett - San Miguel
6. Venezuela - Bellavista
7. San José - Bellavista
8. Puente Colonial - Bellavista
9. Argentina - Carmen de la Legua Reynoso
10. Hospital San José - Carmen de la Legua Reynoso
11. Virgen / Boulevard los Camarones - Carmen de la Legua Reynoso
12. Quica - Callao
13. Lima Cargo - Callao
14. Perú - Callao
15. Pacasmayo - Callao
16. Los Dominicos - Callao
17. El Olivar con Próceres - San Martín de Porres
18. Angélica Gamarra - San Martín de Porres
19. Las Vaquitas - San Martín de Porres
20. Universitaria - San Martín de Porres
21. Fitzcarrald - Los Olivos
22. Orión / Plaza Vea - Los Olivos
23. Municipalidad de Los Olivos - Los Olivos

East PUCP Corridor

Route (Avenues):
 Av. Riva Agüero
 Av. Tulipanes
 Av. Universitaria
 Av. Mariano H. Cornejo
 Av. Del Rio
 Av. Colombia
 Av. José M Plaza
 Av. 6 de Agosto
 Av. Felipe Salaverry
 Av. Cuba
 Av. Alejandro Tirado
 Av. Nicolás Arambar
 Av. México
 Av. Aviación
 Av. Bausate y Mesa
 Av. Nicolás Ayllón
 Av. Circunvalación

Bus Stops: Place - District

1. Puerta Riva Agüero - San Miguel
2. Universitaria - San Miguel
3. Marina con Valer Sandoval - San Miguel
4. Marina con Castilla - Pueblo Libre
5. Sucre - Pueblo Libre
6. Sucre con San Martín - Magdalena del Mar
7. Ejército - Magdalena del Mar
8. Larco Herrera - Magdalena del Mar
9. Ejército con Jose Cossio - Magdalena del Mar
10. Salaverry - Magdalena del Mar
11. Dellepiani - San Isidro
12. Emilio Cavenecia - San Isidro
13. Angamos Oeste - Miraflores
14. Plaza Centro América - Miraflores
15. Pardo con Espinar - Miraflores
16. Óvalo de Miraflores - Miraflores

South PUCP Corridor

Route (Avenues):
 Av. Universitaria
 Av. La Marina
 Av. Antonio José de Sucre
 Av. del Ejército
 Av. Salaverry
 Av. General Juan Antonio Pezet
 Av. Alvarez Calderón
 Av. Camino Real
 Av. Santa Cruz
 Av. José Pardo
 Óvalo de Miraflores

Bus Stops: Place - District

1. Puerta Principal - San Miguel
2. Universitaria - San Miguel
3. Marina con Sandoval - San Miguel
4. Marina con Castilla - Pueblo Libre
5. Sucre - Pueblo Libre
6. Sucre con San Martín - Magdalena del Mar
7. Ejército - Magdalena del Mar
8. Larco Herrera - Magdalena del Mar
9. Ejército con Jose Cossio - Magdalena del Mar
10. Salaverry - Magdalena del Mar
11. Dellepiani - San Isidro
12. Emilio Cavenecia - San Isidro
13. Angamos Oeste - Miraflores
14. Plaza Centro América - Miraflores
15. Pardo con Espinar - Miraflores
16. Óvalo de Miraflores - Miraflores



Fig. 14

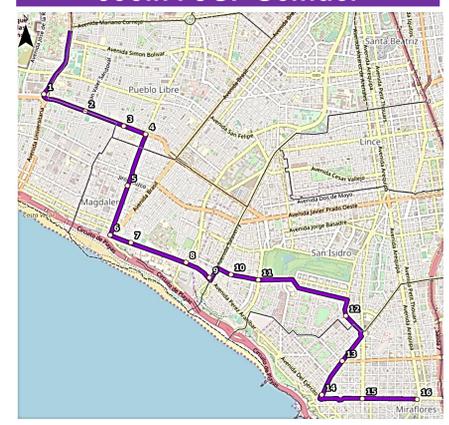
North PUCP Corridor



East PUCP Corridor



South PUCP Corridor



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- Fig. 4: JapaClip https://japaclip.com/es/cars-crossing-the-bridge/
- Fig. 5: Redacción Ludicez
- Fig. 6: David Hemosa (http://blogs.worldbank.org/)
- Fig. 7: Alex Fernandez / Felix Ingaruca / Puntorodu Noticias
- Fig. 8: PUCP
- Fig. 9: DePeru.com / Zona Escolar PUCP
- Fig. 10: Ricardo Zárata
- Fig. 11: AUT University New Zealand
- Fig. 12: https://es.123rf.com/profile_whitecity
- Fig. 13: Own elaboration (Sources: MIMAM, INE, IGN)
- Fig. 14: Ministerio del Ambiente (Gobierno de la República del Ecuador)
- Fig. 15: Andina
- Fig. 16: María Alejandra Cuentas
- Fig. 17: José Luis Zuloaga / Ricardo Zárata
- Fig. 18: María Alejandra Cuentas (Sources: Área de Infraestructura de la PUCP)
- Sources of the base map: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeBCO, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

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