FOR IMMEDIATE HIRING

GIS Mapping Consultant
(PROJECT-BASED)

TERMS OF REFERENCE
The Institute for Climate and Sustainable Cities (ICSC) is a climate policy group based in the Philippines, working locally, nationally and internationally to promote resilient, low-carbon development.

ICSC is seeking a GIS Mapping Consultant who shall be responsible for generating maps that communicate, perform analysis, share information, and related to the prior Bilang Siklista bike count project of the Mobility Awards.

PROJECT BACKGROUND:
The Bike Count initiative is a project of the convenors of the Mobility Awards, namely the Institute for Climate and Sustainable Cities, The Climate Reality Project Philippines (Climate Reality Philippines), MNL Moves, 350.Org Pilipinas, and Pinay Bike Commuter Community, to engage citizens and city governments to count people-on-bicycles, as a critical part of data generation and monitoring how people-on-bicycles are using the road as a daily mode of transport. It is also our way to contribute to nation-building by mobilizing citizens to collaborate on open-data to count people-on-bicycles, and make the invisible more visible, and to help local governments justify public resource investment for safe, resilient, inclusive, interconnected infrastructure for low-carbon transport in the Philippines.

SCOPE OF WORK
A. Obtain bike count data and associated geographical information, including coordinates, routes, and relevant attributes, from reliable sources.
B. Clean, organize, and format the data to ensure compatibility with GIS software.
C. Utilize GIS software (e.g., ArcGIS, QGIS) to create maps that visualize bike count data, ensuring accurate representation of the spatial distribution of counts.
D. Incorporate appropriate symbology, color schemes, and labels to enhance map readability and interpretability.
E. Develop maps that illustrate the directions of cyclists, indicating the flow of bike traffic along routes and intersections.
F. Create spatial overlays and heatmaps to highlight areas of high cycling activity and patterns of concentration.
DELIVERABLES
The following deliverables are expected:

A. One (1) summary map depicting 25 cities that participated in the Bilang Siklista bike count program this 2023.
B. Develop one (1) summary map per city indicating the complete list of locations where the bike count was conducted. The total number of maps to be developed for the city count location maps is **25**.
C. Develop two (2) maps per city indicating the directional flow of bike traffic during the morning count (6AM-8AM) and the afternoon count (4PM-6PM). The total maps to be developed for the directional flow per city is **50**.

Raw data of the Bilang Siklista Bike Count will be provided for by the organizers. The final output must conform to the official branding guidelines of Mobility Awards which will be provided.

TIMEFRAME
The GIS mapping consultant will start on **August 14, 2023** and all deliverables must be completed on or before **September 08, 2023**.

QUALIFICATIONS AND EXPERTISE
A. The GIS Mapping Consultant should possess the following qualifications and expertise:
   B. Strong background in GIS, geospatial analysis, and cartography.
   C. Proficiency in GIS software and tools, such as ArcGIS, QGIS, or other relevant mapping platforms.
   D. Familiarity with spatial analysis techniques, data visualization, and map design principles.
   E. Excellent attention to detail and the ability to accurately represent spatial data in a visually appealing manner.
   F. Strong communication skills to effectively convey complex geospatial information to diverse stakeholders.

CONFIDENTIALITY
Any data or information shared for the purpose of this analysis should be treated with the utmost confidentiality and used solely for the intended mapping analysis.