

JASON N. MEGGS, MCP/MPH
Multidisciplinary Transportation & Energy Justice Expertise

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OBJECTIVE: *Positions of Influence to Actualize Paradigm Shift in the Public Interest*

EDUCATION:

University of California at Berkeley, dual Master's degree (M.C.P./M.P.H. 2009), GPA 3.759

Master of City Planning: Transportation & Land Use Concentrations; International Field

Master of Public Health: Environmental Health Sciences

- Chancellor's Advisory Committee on Sustainability/CHESC 2005-2009/2005-2013
- Graduate Assembly representative to UC Berkeley's first Bicycle Plan
- Mentor Committee, College of Environmental Design
- Hired new Parking & Transportation Director, national search committee

New College School of Law, first year successfully completed (Juris Master's equivalent)

- Elected to Hiring Committee, conducted interviews & assessments for new teaching staff

University of California at Berkeley

Computer Science & Electrical Engineering, minor Entomology (Bachelor's degree)

- Awards for Digital Design; Ant Simulation; Computation & Complexity Textbook Editing
- Mechatronic Design of Automated Lightweight Electric Vehicles

INTEREST & SKILL AREAS:

Decarbonization, Electrification, Efficiency, Conservation, Resilient Energy, & Water Systems • Social Cost of Carbon, Greenhouse Gas Emissions Accounting, Alternative Financing & Performance Contracting • Strong Program Management & Stakeholder Engagement Skills • Strong Research & Policy Skills (Regulatory & Legislative Support; Advanced GIS, Statistics, Econometrics, Modeling, Surveys, Large Data (Acquisition, QA/QC, ETL/ELT, SQL queries/databases, Python Programming, Scripting), Peer Review/Publishing, Literature Reviews, Presenting Findings & Communications, etc.) • Coordinating/Authoring Large Reports • Cross-cutting Internal/External Coordination • Agency Performance Analyses to Optimize Efficiency & Effectiveness • Health Impact Assessment • Environmental Justice • CEQA/NEPA, CAA, CWA, ADA, Title VI, etc. • BIL/IIJA/IRA, Justice40/NEVI • Consensus Building/Facilitation • Public Interest Creativity • Public Speaking, Workshops, Trainings • Full Range of Supervisory/Management Capabilities • Good Sense of Humor.

EXPERIENCE

Department of Transportation, District of Columbia (DDOT), March 2020-present

Parking & Ground Transportation Division, Operations Administration

Transportation Planner - Climate, Energy & Equity - Policy & Implementation

- Performs transportation systems analysis & technical evaluation for legislative/policy reforms, works closely with Policy & Legislative Affairs, proposes/evaluates new Districtwide policies
- Initiates & leads DDOT research proposals, TRB publications, pilot projects, curbside innovation
- Project Management & Program Management, multiple ongoing large scale/high profile initiatives
- Policy advisory for DC Council: [Innovative Parking Practices on Residential Streets Study](#) involving unprecedented DDOT survey outreach effort, interagency coordination, emerging technologies assessment/adoption, complex statistics/Tableau/GIS spatial analyses, cost estimates, authored & defended policy recommendations
- EV innovations, District fleet deployment strategies, strategies to benefit EJ communities

- Currently engaged in developing neighborhood toolkit for equitable use of residential curbside
- Developed & leads School Parking Zone TDM program from regulatory development, contractor coordination, neighborhood engagement, multidisciplinary multi-agency District Standard Operating Procedures, leads monthly Working Groups, monitors/evaluates program performance, identifies & implements program improvements, creates & leads trainings of operations staff
- Achieves equity, sustainability, climate, & environmental justice goals; community engagement
- Leads interdisciplinary policy/implementation team: Schools/Residential curbside reforms/Equity analysis, convenes working groups, creates surveys & other outreach materials
- Advisory role to leadership; regular briefs to Chiefs, Director; Inter-agency Coordination, Deputy Mayors; authors & delivers policy briefs, memos, presentations
- Models & creates decision-tools using mapping, database, visualization, statistical software
- Coordinates transportation demand management policies & programs/curbside management reform
- Broadly coordinates & engages w/in DDOT, as well as ~322 schools, Office of Planning, District agencies, ANCs, Council staff, COG, BIDs, WMATA, ANCs, Mayor's Office, Community-Based Organizations, with expert knowledge to achieve, represent & implement equity/sustainability policies & programs (inter-agency, intra-agency, neighborhood engagement)
- Safe Routes to School, Transportation Demand Management, Neighborhood Planning, Climate Resilience, Equity, Environmental Justice: Strategic Achievement of District Objectives including Vision Zero
- Year-long neighborhood outreach campaign design for DDOT ("ANC Roadshow")
- Division lead for climate & air quality policy, networking USEPA, DOEE, nonprofits, companies
- Development Review working closely with Bike/Ped teams to resolve difficult street design & curbside demand issues
- Created Division's Comprehensive Transportation Review development review protocol, trained junior staff to implement
- Familiarity with National Design & Engineering Standards (MUTCD, NACTO, DDOT's D&EM)
- Frequent communications w/elected officials (DC Council, Advisory Neighborhood Commissions)
- Initiated, organized & hosted first-of-kind lowest carbon electric lightweight cargo vehicle (ELCV) product fair highlighting electric cargo bikes/trikes & trailers at USDOT HQ with broad interagency District/Federal & community/NPO participation; video: <https://youtu.be/XFgOW-Th8HA>
- District-wide vehicle use survey authored/completed informs ambitious new ELCV fleet transition
- Works with C40, Freight group on Zero Emission Freight initiatives, Freight Plan, Microhubs
- Open Streets event series support including operations/fieldwork & interagency MOU facilitation
- constructing SQL queries for source data profiling & analysis
- OCTO data lake data sharing relationships/contracts development
- collaborative, cross-programmatic issues in a large organization, working with/bringing together people and groups outside my regular team & broadly outside the agency

Transportation Research Board, 2010-present

Providing leadership in transportation improvements & innovation regarding all modes of transportation

Active contributor & committee member

- Transportation Energy Committee (AMS30) - Current member - <https://trbenergy.org/>
- Air Quality and Greenhouse Gas (GHG) Mitigation Committee (AMS10) – Contributor/friend
- Bicycle Transportation Committee Transportation (ACH20) – friend/past contributor
- Health & Transportation - Environmental Justice in Transportation Subcommittee (ADD50-1)

Bay Area Air Quality Management District, San Francisco, California, 2016-2019

Protecting & improving public health, air quality, & the global climate.

Hearing Board Officer, Medical Category

- Appointed by Board to preside over quasi-judicial determinations for regional air quality violations

California Air Resources Board, Sacramento, California, 2013-2019

Research Division, Greenhouse Gas Reduction Strategy Section (comparable to GS-14 or above)

Senior Air Pollution Specialist – Short-Lived Climate Pollutants (SLCPs) – F-gas focus

- Lead staff for Disadvantaged Communities & Environmental Justice (SB 535+, CalEnviroScreen)
- SLCP planning team leadership bridging science, policy, CEQA/NEPA, wide array of stakeholders
- Lead developing incentive programs, emerging technologies, green buildings/energy efficiency
- Extensive networking with energy sector (utilities, statewide agencies, USEPA/DOE, OEMs)
- Advisory role to Executive Staff, prepared briefs/reports/interagency memos/legislative proposals
- Strategic Advisory role including low-carbon transport, sustainable urban planning, EJ communities, identifying Cap-and-Trade auction proceeds funding priorities
- Scientific research: literature review, proposal evaluation, research planning/contract management
- Emissions Inventory Assessment, modeling/projections; health/environmental impact assessment
- Data trends analysis, QA/QC; economic measures/modeling; research & presentation of results
- Outreach leader, responsible past Outreach Plan, broad industry sectors (F-gas reductions)
- Public speaking; engagements development/coordinator; small business liaison
- Web author/web coordinator/F-gas (HFC Measures, RMP, R3) & Research Division/All-topics
- Regulatory development; liaison for national & international policy advancement; tact/diplomacy;
- Enforcement site visits to facilities, Records requests to industry, analysis/outreach for compliance
- Unique agency-wide ethics, accountability & environmental initiative policy success
- Records requests & accountability/performance management, regulated community
- constructing SQL queries for source data profiling & analysis
- collaborative, cross-programmatic issues in a large organization, having to work with & bring together people and/or groups outside my regular team

DICAM - Transport Engineering Group, University of Bologna, Italy, 2010-2013

Innovating sustainable transport solutions at the oldest continuously operating university in the world

Sustainable Transportation Policy Analyst/Project Manager

- Project manager & lead policy analyst for two extensive European Union (EU) funded projects to reduce greenhouse gas emissions & achieve co-benefits through sustainable transportation & land use measures (approximately €50M total budgets)
- Coordinating 20 partners across Europe
- Responsible for over 1,000 pages of official reports, peer-reviewed journal & news articles
- Presenting at thirteen international conferences, plus many workshops & events
- Advising decision makers, presenting findings in Brussels (EU Capital)
- Development & analysis of bicycle policy recommendations, EU BICY project, <https://web.archive.org/web/20131016234119/http://bicy.it/>
 - Identified infrastructure investment required to increase bicycling across Central Europe
 - Evaluated greenhouse gas reduction & health benefits of those investments
 - Considering equity & justice across countries of greatly differing means & EJ challenges
- Principal author, ITACA EU Climate Planning Document, <https://tinyurl.com/powerprogramme-eu>
 - Analysis of Transport/Land Use measures effectiveness in reducing GHG emissions
 - evaluating program functions, policy initiatives, & studies related to climate policy.
 - Extensive consideration of BEV, ZEV, FCV, HEV, GCV, etc. technology potential/best practice
- Modeling transportation, carbon emissions, health impacts, economic cost/benefit analysis
- Health Impact Assessment including HEAT Tool application & development (WHO Europe)
- International project management; Carfree Cities, Districts & Areas (bid preparation)
- Large-scale international transport survey & analysis (14 municipalities, 7 countries, 8 languages)
 - Identified public interest in mass transit (PRT/rail) paired with walking/bicycling
- Master's level Transportation Engineering course development & instruction on Pedestrian & Bicycle Planning, Design & Engineering
- Familiarity with National & International Design & Engineering Standards
- Directing several graduate students & various consultants in technical work
- Developing GIS tools for micromobility trip modeling in OpenStreetMap
- Advancing existing Travel Demand model incorporating the Soft Modes (Python-based)

- Public speaking for government officials, scientific conferences, community meetings & the press

Escher City Associates, Global, 2008-present

Principal

- High-global warming potential refrigerant offset evaluation with Berkeley Carbon Trading Project
- Carbon & health implications of new cookstoves, China; field work & methodology advancement
- Statistical/IPUMS-USA data mining & analysis for MIT labor study
- Consolidating bicycle data into new system for City of Oakland
- Bicycle data collection, legal expertise for Alta Planning
- Health Impact Assessment (HIA) national review, Health Impact Project, PEW Charitable Trusts
- *Planning for Healthy Aging* team member: community resource building (web & survey-based)
- Organized, produced & hosted live, televised Mayor & Council election forum on Transportation, Land Use, Housing, Climate Change & the Environment for coalitions of up to 14 groups per series
- Researched creation of renewable energy desalination systems for start-up
- Led community-based environmental justice meetings showcasing facilitation skills
- Advised new sustainable city project in China (environmental health, land use & transportation)
- Public Transportation field studies for SFMTA

Greenbelt Alliance, San Francisco Bay Area, 2010-2011

Compact Development Team Member

- Site visits, independent assessment of project proposals,
- Liaison with developers, city/county/agencies, & interested parties both pro & con
- Advocate for favored projects before public bodies
- Summarize projects, make reports & recommendations, present to committee

East Bay Bicycle Coalition, 2009-2011

Working for safe, convenient bicycling for all people in the East Bay, since 1972

Policy Advocate

- Led renewed campaign for Bay Bridge Bicycle Path (legislative, outreach, MPO/electeds lobbying)
- Survey Design, Implementation, Analysis
- Event Management, Volunteer Coordination (led large-scale bike parking/outreach (13+ hours/day))
- Transportation Policy Research; Advocacy, Committee Representation; Membership Outreach
- Web Development (photography, online advocacy letters, data management, writing)
- Coordinate with agencies: public transport, rail, air quality, land use, bay, DOT, MPO, etc.

World Carfree Network, China; Helsinki; Brussels; Copenhagen; Portland; San Fran; York, 2001-2012

Active Member (Steering Committee 2 years, 2008-2010)

- Leadership in operation of international network of organizations promoting equity, sustainability & health in transportation & land use (in particular, alternatives to the private automobile & trucking freight) including: International Towards Carfree Cities conference; strategic planning; regional collaborations, press, outreach & political initiatives; financial planning, grants & membership management.

Environmental Health Sciences Division, School of Public Health, UC Berkeley, 2007-2008

Graduate Student Researcher

- Bicycle & Pedestrian Traffic Calming Health Impacts research (teamwork & original research)
- Key to creating first statewide Land-Use Regression Models of Air Pollution Exposure, using GIS
- Created best available mosaic of California using Remote Sensing image tiles in ERDAS Imagine
- Wrote original Python scripts for mass-processing large dataset collections
- Managed research documents through final publication process (NEJM, EHP)

Mission Economic Development Agency, San Francisco, CA, 2006-2007

Dedicated to improving economic & social conditions, & protecting cultural diversity in the Mission

Community Transportation & Land Use Planner

- Surveyed & made recommendations for sustainable transport needs in the Mission District
- Created policies for Transportation Justice Element & other sections of *El Plan Popular*
- Policies often adopted into parallel city process during plan development
- Conducted Multilingual outreach to & surveys of low-income Latinx community
- Worked w/key stakeholders, City & organizations to assess community needs & potential solutions
- Coordinated staff for special projects, assisted Program Development & Coordination
- Assessed goods movement/freight patterns & impacts, public transport coverage & deficiencies

Integrative Biology Department, College of Letters & Science, UC Berkeley, 2007

Bringing together a diversity of complementary disciplines to unravel the complexity of biology

Graduate Student Instructor

- TA for Biology 1B (Ecology, Plant Biology, & Evolution)
- Organized & led labs, field trips; created assignments, graded papers

East Asian Languages & Cultures Department, UC Berkeley, 2006

Graduate Student Instructor

- TA for Korean 7A (Pre-modern Korean Literature & Culture)
- Led discussions (3/week); created assignments, graded papers, tracked course data

Chancellor's Advisory Committee on Sustainability, 2005-2009

Promoting environmental management & sustainable development on campus & beyond

Graduate Student Representative

- Championed wide variety of campus-wide projects; tour for Chancellor
- Organizer/presenter for major statewide Higher Education Sustainability Conference (CHESC)
- Graduate Assembly representative to UC Berkeley's first Bicycle Plan

Institute for Research on Labor & Employment, UC Berkeley, 2005-2006

Interdisciplinary world-class research connecting policy to improve workers' lives, communities, & society

Graduate Student Researcher

- Performed econometric statistical research support
- Investigated the economic impacts of big box retail trends on town center small retail
- Tracked down industry data; wrote original Perl scripts to process, filter & assemble data
- American Community Survey & spatial analysis

Bike Station, Bicycle-Friendly Berkeley Coalition, 2005

Attended bicycle parking facility located in the Downtown Berkeley BART regional metro rail station

Manager

- Integral to inter-agency expansion plan; helped win \$500,000 TLC capital grant
- Increased usage over 60% & tripled retail income to 300%
- Created surveys, promotions, events, & new services;
- Program Development & Coordination; Monitoring & Evaluation;
- BART, Air District & City grant-supported
- Worked w/key stakeholders including regional agencies, business district, city & community
- Led 10+ staff; responsible for hiring & training; created & directed special projects

Doctoral Project, Department of City & Regional Planning, UC Berkeley, 2005

GIS Technician

- Assisted in analysis of bicycle/pedestrian behavior in a district of Copenhagen, Denmark

Pedestrian Safety Task Force, California Department of Transportation, 2004

Video Production

- Created promotional video for Walk/Bike California Conference w/ Public Health theme
- Interviewed involved parties & adapted conference materials to create content

San Francisco County Transportation Authority, 2004

Field Researcher, Geary Street Bus Rapid Transit Feasibility Study

- Conducted real-time data collection under crush-load conditions

EarthRights, International, Washington, DC, 2003

Global team challenging powerful institutions that violate peoples' rights & destroy our planet for profit

Law Clerk

- Assisted Doe v. UNOCAL Alien Tort Claims Act suit (human rights violations for Burma pipeline)
- Investigated accountability of Presidential Executive Orders under Bush II regime

Calwell Practice, Charleston, WV, 2003

Law Clerk

- Toxic torts legal research & writing: pesticides, occupational solvents; entomology research
- Additional work investigating accountability of coal industry trucking impacts in West Virginia

Bicycle Civil Liberties Union, 1997-2009

Network of attorneys & activists championing equal treatment for those who do not drive

California State Coordinator

- Police Accountability (administrative hearings, documentation, regulations)
- Civil Rights suits (documentation & evidence, depositions, trials, motions)
- Documentation of complaints; assistance to injured pedestrians & cyclists
- Legislative analysis & public policy advocacy at local, regional, state & federal level

Bike the Bridge! Coalition, 1996-2001

East Bay Coordinator

- Won promise of bicycle & pedestrian access to new Bay Bridge
- Team leadership, multi-year campaigns
- Initiated & conducted regional campaigns for equal access to all Bay Area toll bridges
- Authored original innovative bicycle research studies to inform regional transport policy
- Member of research panels & design review committees
- Created & passed legislation in statewide campaigns
- Created solidarity campaign to preserve heavy rail capacity on existing Bay Bridge & Transbay Transit Terminal
- Key player in multi-year processes at Bay Conservation & Development Commission (BCDC), Metropolitan Transportation Commission (MTC), Bay Area Rapid Transit (BART) District, Bay Area Air Quality Management District (BAAQMD) & Caltrans (DOT); CEQA review

Bicycle-Friendly Berkeley Coalition, 1995-2009

Working to make Berkeley the most bicycle-friendly place in the U.S.A.

Member, Board of Directors

- Marketing bicycling! Development of successful, membership & grant-supported nonprofit
- Key player in creation & passage of Berkeley Bicycle Plan. Transportation Demand Management Plan, funds for transit, biking & walking, & trans-I-80 bicycle/pedestrian bridge to marina; spearheaded Berkeley Bike Station
- Organized major events including internationally celebrated Bicycle Film Fest (informing the now established BFF), membership parties; created "Beginner Bicyclist" course at YMCA
- Extensive outreach & engagement neighborhoods to build support for controversial early actions CEQA/NEPA appointee; hearings, official comments
- Program Development & Coordination; Program Monitoring & Evaluation
- Oversaw & directed volunteer groups for numerous events & campaigns
- Policy development & recommendations to city, county, state, & national entities
- Outreach to low-income & minority communities, including Spanish outreach & materials
- Regional Transportation Plans & closely followed & informed major regional projects

- Coordination with public transport providers including Amtrak rail, Caltrain, BART, AC Transit, SF MUNI, Golden Gate Transit, & more

UC DATA, Survey Research Center, University of California, Berkeley, 1995-2003

UC Berkeley's principal archive of computerized social science & health statistics.

Programmer/Analyst II(III)

- Lead UNIX systems administrator, supporting statistical research over large datasets in multiplatform environment, supervising several assistant staff
- Responsible for hardware & network installation & troubleshooting, web services, security, networking, robot-controlled backups, & user support (tutoring/training/authoring)
- Multilingual Information Retrieval research team member; created competitive 10% improvement in entries to Text Retrieval Conference (TREC); Chinese, Spanish, German, British filters
- Early lead for Census web interface (CGI scripting, HTML, data management & planning)
- Team leader: Led & trained staff for routine operations & special projects, created tech tutorials
- constructing SQL queries for source data profiling & analysis
- data Extract, Transform, Load (ETL), including designing & implementing efficient & robust ETL/ELT workflows, schedulers, & event-based triggers
- collaborative, cross-programmatic issues in a large organization, having to work with & bring together people and/or groups outside my regular team

San Francisco State University, 1994

Research Assistant

- Conducted split-keyboard ergonomic keyboard study
- Managed research subjects; consent, training, fitting equipment, conducting tests, assembling data

LANGUAGES

FLUENT: English (native; 'American'/Canadian)

CONVERSATIONAL: Spanish & Italian (B2 levels; professional use)

FAMILIARITY: Dutch (A1), Esperanto, Finnish, French (childhood immersion, A2+ level), German, Korean (undergraduate semester), Latin (3 yrs, HS), Loglan/lojban, Mandarin Chinese (while in China).

COMPUTING SKILLS

GIS: ArcGIS, TRANSCAD, ERDAS Imagine; OpenStreetMap; testing various open source GIS packages.

Interactive Data Visualization Software: Tableau

Traffic Engineering: Highway Capacity Software (HCS 2000)

Agency Models: working familiarity with EMFAC, CalEEMod, DEER, DOE-2.2R & many more

Statistical packages: STATA, SPSS; support for SAS users; (familiarity R, NVivo).

Computer Aided Design (CAD): AutoCAD, SketchUp, LibreCAD, others; esp. for circuit design.

Layout: Adobe Illustrator, Quark, LaTeX.

Word Processing: Microsoft Word, OpenOffice, WordPerfect, LaTeX, emacs, vi, others.

Presentations: Microsoft PowerPoint, others.

Spreadsheets & databases: Microsoft Excel, Microsoft Access, OpenOffice, SQL, Veritas, others.

Reference software: EndNote, RefWorks

Project Management: MS Project

Languages: Python, Perl, C++, LISP, BASIC, Assembly, FORTRAN, shell scripting, others.

Processes: Extract, Transform, Load (ETL), including designing & implementing efficient & robust ETL/ELT workflows, schedulers, & event-based triggers; data lake & developing machine learning algorithms

Web: Dreamweaver, HTML, CGI scripting, familiarity with PHP & MySQL.

Image processing: Adobe Photoshop, GIMP, others.

Video: Final Cut Pro, OpenShot, Adobe Premiere, iMovie, linear (analog) w/PC-era CG tools.

SELECTED PAST PRESENTATIONS

Evaluation of a Wide Range of E-Bike Incentive Program Options for the DC Department of Energy & Environment. Includes spreadsheet ranking tool accounting for social equity. Presented widely within District government & to nonprofits, researchers, & US EPA representatives throughout 2022.
[pilot-ebike-PEIP-07Dec2021.pptx](#)

Dynamic Curbside Management in an Evolving Urban Fabric: Neighborhood Curbside Management at Urban Schools. International workshop on barriers to dynamic kerbside management [*sic*]. Organized by WSP Sweden for EU-funded ReVeAL Project. October 15, 2020. Online webcast.
<https://civitas-reveal.eu/events/international-workshop-on-barriers-to-dynamic-kerbside-management/>

Cargo Bicycle Potential to Transform Urban Goods Movement: Energy, Labor, Environmental & Social Implications. First North-South Conference on Degrowth – Descrescimiento. Mexico City, Mexico (Spanish/English). September 4, 2018. <http://degrowth.descrescimiento.org/programa>

California Air Resources Board Proposed Hydrofluorocarbon (HFC) Reduction Measures. EPIC Idea Exchange: *Heating, Ventilation & Air Conditioning Research & Development Workshop* Invited speaker. Panels 1 & 3, December 21, 2017. California Energy Commission, Sacramento, CA.
<http://www.energy.ca.gov/research/epic/documents/#12212017>

Cargo Bikes! *The California Potential*. Workshop organizer, facilitator, lead presenter. California Environmental Protection Agency, Sacramento, CA. June 29, 2017.
<https://www.youtube.com/watch?v=2MW2xe8RqLo&t=982s>

California Air Resources Board. *Refrigeration, Climate Change & the Changing Regulatory Framework*. California Grocers Association (webinar). Sacramento, CA. June 21, 2017.

California Air Resources Board Low-GWP Incentives. North American Sustainable Refrigeration Council workshop at Sacramento Municipal Utility District. Sacramento, CA. March 2017.

Alternatives to Refrigeration & Air Conditioning: Opportunities for Degrowth through Reduced Artificial Cooling. 5th International Degrowth Conference. Budapest, Hungary. Sept. 1, 2016.
<https://scriptum.degrowth.net/en/budapest2016/public/events/405>

Liberation from Motorization: Evidence, Valuation & Alternative Models for Nonmotorized Transport Liberty. 5th International Degrowth Conference. Budapest, Hungary. Sept. 2, 2016.
<https://scriptum.degrowth.net/en/budapest2016/public/events/423>

Achieving Active Transport on Campuses: Design, Research & Policy Methods for Achieving Healthy & Sustainable Active Transportation: A Campus Tutorial. With architect Dorota Wisniewska. CHESC 2013, Sustainable Transportation: *Healthy for Climate, Healthy for You* session. Santa Barbara, California. June 23-27, 2013. <http://cahigheredusustainability.org/>

Rapid Mobility Data Survey (BICY) – Jury Award

A low-cost, easily replicable, uniform & detailed mobility survey method developed & field tested in 14 cities, eight languages, seven countries in the EU-funded BICY project. Vienna, Austria. June 11-14, 2013. https://web.archive.org/web/20160323185938/http://velo-city2013.com/?page_id=2337&project_id=258

Fast Track to a Bicycle City in Light of the BICY Project: Infrastructure Investment Strategy & Cost Benefits.

Invited speaker, *Perché in bici? Città, salute e ambiente*, (Public Health session, English & Italian), Florence Bike Festival. March 2, 2013.

https://web.archive.org/web/20130817154119/http://bicy.it/index.php?id=13&news_id=99#99

BICY: Transnational Harmonization of Experiences in Cycling

BICY Project Final Conference. January 17, 2013. Prague, Czech Republic.

Video segment featuring Jason Meggs' research & public speaking: <http://youtu.be/-Jx7RjGVmR8?t=9m7s>

Presentation of BICY Project Findings to Members of Parliament, Stockholm.

Cykelsmart invited speaker. September 26, 2012. Stockholm, Sweden.

<https://web.archive.org/web/20130415174241/http://www.cykelsmart.se/2012/10/01/svensk-cykling-skapar-cykelforum-for-riksdagsledamoter/>

Presentations on BICY findings & policy recommendations also given at: Velo-City Global (Seville, 2011/05); World Ecocity Summit (Montréal, 2011/08); Towards Carfree Cities (Guadalajara, 2011/09); CentralMeetBike 2nd Working Group Meeting (Dresden, 2012/03); European Cyclists' Federation Annual General Meeting (Vienna, 2012/03); International Conference on Urban, Regional Planning & Transportation (Amsterdam 2012/05); 15th International Conference on Transport Science (Portorož, 2012/05); Velo-City Global (Vancouver, 2012/06); Cycling & Society Symposium (London, 2012/09): [PDF](#) , [audio](#); World Cycling Research Forum (Enschede, 2012/09); 3rd International Conference on Degrowth, Ecological Sustainability & Social Equity (Venice, 2012/09); Presentation to City Planners in Sweden (Gothenburg, 2012/09); Presentation to policy advocates in Sofia, Bulgaria (2012/12); plus numerous working group meetings throughout Europe.

ITACA Handbook: *Realizing Sustainable Mobility.*

Power Programme invited speaker, lead Final Report author. September 19, 2011. Brussels, Belgium.

Presentation: <http://tinyurl.com/meggsy-brussels>; Publication: <http://tinyurl.com/itaca-handbook>

TransportationCamp East, OpenPlans, New York City, March 6, 2011 (unconference; proposed & led multiple sessions). <https://web.archive.org/web/20110327042024/http://transportationcamp.org/east/>

1. Letting the genie out of the lamp: Brainstorming / strategizing *new mechanisms* for local residents to really change their streets.
2. Modeling to make the case for a petroleum-free transportation system.
3. Sustainable Goods Movement as backbone of innovative sustainability & health strategies

Transportation & Public Health: *Transforming Transportation is Good for Us!*

Invited speaker, Transforming Transportation 2011, Detroit, Michigan.

<https://web.archive.org/web/20131127164654/http://www.ttrec.org/Summit/InnovationStrands/TransportationandPublicHealthTransformingTra.aspx>

Petroleum-Free Transportation Solutions: Grid-Connected Vehicles with Human Power

Presented at the World Ecocity Summit, 2008 & Portland's Carfree Cities Conference, 2008, & local groups. Focusing on freight & public transport synergy through conversion of the diesel fleet (trucks & buses) to direct electric drive (overhead wires) to achieve major energy, cost, health, & environmental benefits. <https://bclu.org/jasonmeggs/Petroleum-Free-Transit-Active-Travel-Conference-Presentation-Jason-Meggs.pdf>

Transportation Justice Element, *El Plan Popular.*

Towards Carfree Cities Conference VI, September 20-24, 2006. Bogotá, Colombia.

Plan B Project: Policy Preparations for Crisis Opportunities

Petrocollapse Conference: *Social Isolation or Solidarity?* Invited speaker, NYC, Oct. 5, 2005

Guest Lecturer, Boalt Hall Environmental Law Society Speaker Series, "Bike Law" presentation, 1998-2006: (thrice invited speaker). Multimedia (video, handouts, Power Point). Berkeley, CA.

SELECTED PUBLICATIONS:

Report to Council: Innovative Parking Practices on Residential Streets Study, FY2021-2022. Lead author, researcher, coordinator studying pilot options to reform Residential Permit Parking program to better meet social equity, economic development, environmental goals. Responsible for design, implementation, analysis of 30,000 recipient survey; spatial analysis; inter-agency coordination; license plate occupancy study; technology testing; stakeholder engagement; regulatory/economic impact analysis. (August 2022) https://ddot.dc.gov/sites/default/files/dc/sites/ddot/Innovative%20Parking_10-27-22-compressed.pdf

District Fleet Electrification Scenario: Energy, Cost, Climate & Air Pollution Reduction Potential (2023). Report on yearlong study of potential to substitute lightweight electric vehicles for heavier vehicles across District Government, focus on the DC Department of Transportation.

School Parking Zone Program Standard Operating Procedures, District Department of Transportation. Lead author/convener/program manager developing consensus interagency/intra-agency procedures to coordinate new transportation demand management (equity, sustainability) program/regulation implementation (2022).

Bicycle Safety: Recommendation to Uber Regarding Passenger Door Use. November 1, 2019. <https://meggsreport.files.wordpress.com/2019/11/memo-to-uber-bicycle-safety-passenger-doors-jason-meggs-01november2019-2.pdf>

California Air Resources Board (June 6, 2018). *Electric Bicycle Efficiency Compared to Conventional Delivery Vehicles, V.5 (Discussion Document)*. Energy Economy Ratio for Low-Carbon Fuel Standard (LCFS) Program. (Lead author/researcher/analyst.) <https://meggsreport.files.wordpress.com/2021/01/lcfs-eeer-for-cargo-bicycles-june2018.pdf>

California Air Resources Board (January 2018). *ISOR: Public Hearing to Consider the Proposed Regulation for Prohibitions on Use of Certain Hydrofluorocarbons in Stationary Refrigeration & Foam End-Uses*. Responsible for several sections (EJ, Public Outreach, References) & detailed final editing. <https://www.arb.ca.gov/regact/2018/casnap/casnap.htm>

California Air Resources Board (October 2017). *HFC Reduction Measures*. Organized & implemented new Drupal rulemaking portal. <https://ww2.arb.ca.gov/our-work/programs/hfc-reduction-measures>

California Air Resources Board (October 23, 2017). *Low-GWP Commercial Refrigeration Feasibility & Cost-Benefit Engineering Evaluation*. Project manager, contract 14-304.

California Public Utilities Commission (January 12, 2017). *Distributed Energy Resources Cost Effectiveness Evaluation: Societal Test, Greenhouse Gas Adder, & Greenhouse Gas Co-Benefits: An Energy Division Staff Proposal*. Authored Appendix B; extensive engagement with CPUC staff. <http://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M175/K295/175295886.PDF>

California Air Resources Board (December 15, 2017). Potential Impact of the Kigali Amendment on California HFC Emissions. Key staff facilitator in producing final report for international peer review. <https://www.arb.ca.gov/cc/shortlived/CARB-Potential-Impact-of-the-Kigali-Amendment-on-HFC-Emissions-Final-Dec-15-2017.pdf>

California Air Resources Board (March 2017). *Short-Lived Climate Pollutant Strategy*. Key to strategy development, authoring & editing of fluorinated gas (F-gas) portions. <https://www.arb.ca.gov/slcp>
California Air Resources Board (March 29, 2016). Project Manager. *Low-GWP Refrigerant Incentives in California: An in-depth look at whether financial incentives could help spur more immediate transition to low-GWP refrigeration technology in supermarkets*. Report authored by the North American Sustainable Refrigeration Council. Author: <https://ww2.arb.ca.gov/resources/documents/low-gwp-incentives>

California Air Resources Board (2014-2018). Lead web author, Refrigerant Management Program website including verification & redesign, HFC Measures portal & Drupal porting. <https://www.arb.ca.gov/rmp>

California Air Resources Board (2014-2016). Development of outreach documents, official videos, & coordination of translation of major regulatory publications for Refrigerant Management Program. <https://www.arb.ca.gov/cc/rmp/rmpdocs.htm>

Meggs, J, Schweizer, J. (2013). Transnational Strategy for Bicycling in Central Europe: Final Report of the BICY Project. BICY Project, Central Europe Programme, Co-financed by ERDF. <https://web.archive.org/web/20160316111205/http://bicy.it/docs/128/BICY-Transnational-Strategy-Final-Report.pdf>

Schweizer, J, Meggs, J. PRT Mode Share Estimations Using a Direct Demand Stated Preference Method. Urban Public Transportation Systems 2013: pp. 1-9. <http://ascelibrary.org/doi/abs/10.1061/9780784413210.001>
https://web.archive.org/web/20160429021839/http://bicy.it/docs/129/PRT-Mode-Share-Estimations-ICUTS2012-final_draft.pdf

Meggs, J, Schweizer, J. (2012). Effects of Bicycle Facility Provision on Mortality Prevention & GHG Reduction: Cost-Benefit Analyses within the BICY Project. International Journal of Engineering & Physical Sciences. Nov 2012. <https://web.archive.org/web/20160317102957/http://bicy.it/docs/129/Meggs-Schweizer-HEAT-Scenarios-Bicycle-Facility-Mortality-Prevention-GHG-Reduction.pdf>

Meggs, J, Schweizer, J. “The future of bicycling given a world in degrowth: perspectives & lessons based on the Central European project, BICY”, 3rd International Conference on Degrowth, Venice, Italy, Sept. 19-23, 2012. <https://web.archive.org/web/20160317102957/http://bicy.it/docs/129/Degrowth-and-the-Bicycle-BICY-lessons.pdf>

Meggs, Jason. “The Johnny Appleseed of Critical Mass”, Shift Happens: Critical Mass at 20 (book). Chris Carlsson, LisaRuth Elliott, Adriana Camarena editors. Full Enjoyment Press. Sept. 11, 2012. <http://www.sfcriticalmass.org/shift-happens-critical-mass-at-20/>

Schweizer, J, Meggs, JN, Dehkordi, NR, Rupi, F, Pashkevich, A (2012). Unified, Low-Cost Analysis Framework for the Cycling Situation in Cities. International Journal of Civil & Environmental Engineering Vol. 6. <https://web.archive.org/web/20130920231920/http://www.waset.org/journals/ijcee/v6.php>

Meggs, Jason N., Schweizer, J., Rupi, F. 2012. Results of the BICY project: modeling bicycle mode share response to infrastructure investments.

Meggs, J, Schweizer, J. 2012. Bicycle City or Transit City? Effects & Limits of Sustainable Transport Investment Choices.

Meggs, Jason N. 2012. The Idaho Law: allowing safer choice & happier travel (paper & presentations). <http://meggsreport.com/the-idaho-law-allowing-safer-choice-and-happier-travel/>

Schweizer, J., Meggs, J; N.R. Dehkordi, F. Rupi, A. Pashkevich, “An Analysis Framework to Assess Automobile, Public Transport & bicycle usage between West & East Europe: A Comparative Survey,” International Conference on Transport Sciences. ICTS 2012. <https://web.archive.org/web/20160429021813/http://bicy.it/docs/129/ANALYSIS-FRAMEWORK-ASSESS-AUTOMOBILE-PT-BIKE-WEST-AND-EASTERN-EUROPE.pdf>

Schweizer, J, Rupi, F. & Meggs, JN. 2012. Can PRT overcome the conflicts between public transport & cycling? CULTURES & TECHNIQUES FOR ACCESSIBILITY XIX. International Conference on Living & Walking in Cities. Brescia (Italy), June 14th – 15th, 2012. <https://web.archive.org/web/20160429021830/http://bicy.it/docs/129/Can-PRT-Resolve-Conflicts-PT-Walk-Bike.pdf>

Luca Buzzoni, Jason Meggs, Joerg Schweizer, Effective Measures for Reducing Carbon in Transport: ITACA Project Findings. ECOMM 2012. Frankfurt, Germany. <http://tinyurl.com/meggs-ecomm-2012>

Meggs, Jason N. 2012. Rapid Electrification of Long-Distance Diesel Trucking: Shortest Path to a Zero Carbon Transport System? Submitted to Transportation Research Board. (August 2012)
<http://bclu.org/jasonmeggs/Meggs-TRB-2012-electrification-trolley-trucks.pdf>

Schweizer, J & Meggs, J. Feb. 2, 2012. Mobility Survey Manual, Rev. 4. BICY Project. Available from authors & provided at <https://web.archive.org/web/2016031611205/http://bicy.it/index.php?id=1>

Meggs, Jason N. 2012. The Idaho Law. Velo-city Global (conference). Vancouver, Canada.

Meggs, Jason N, Paschevic, A, Rupi, F. Jan. 30, 2012. Best Practices in Bicycle Planning (EU Report). BICY Project, Central Europe Programme, Co-financed by ERDF.
https://web.archive.org/web/*/http://bicy.it/docs/128/WP3_2_1-Best-Practices-in-Bicycle-Planning.pdf

Meggs, Jason N, Schweizer, Joerg. Jan. 30, 2012. Common Indicators (EU Report). BICY Project, Central Europe Programme, Co-financed by ERDF.
https://web.archive.org/web/2016031611205/http://bicy.it/docs/128/WP3_2_3-Final-Identification-of-Common-Indicators.pdf

Meggs, Jason N, Schweizer, Joerg. Jan. 30, 2012. SWOT Transnational Analysis (EU Report). BICY Project, Central Europe Programme, Co-financed by ERDF.
https://web.archive.org/web/20160424010136/http://bicy.it/docs/128/WP3_1_10-SWOT-TRANSNATIONAL-ANALYSIS.pdf with annexes:
https://web.archive.org/web/20160424010052/http://bicy.it/docs/128/WP3_1_10-SWOT-ANNEXES.pdf

Meggs, Jason N, Schweizer, Joerg. Jan. 30, 2012. Stakeholder Interviews Report. BICY Project, Central Europe Programme, Co-financed by ERDF.
https://web.archive.org/web/20160424010114/http://bicy.it/docs/128/WP3_2_2-Stakeholder-Interviews.pdf

Meggs, Jason N., Schweizer, Joerg, Buzzoni, Luca, et al. 2011. The ITACA Handbook: Realizing Sustainable Mobility (EU report). <http://tinyurl.com/itaca-handbook> & <http://powerprogramme.eu/> archived here:

- <https://web.archive.org/web/20111109024636/http://powerprogramme.eu/>
- <https://web.archive.org/web/20111122180334/http://www.powerprogramme.eu/projects.php?project=ITACA>
- <https://web.archive.org/web/20111122180334/http://joergschweizer.people.ing.unibo.it/downloads/ITACA-Handbook-Realizing-Sustainable-Mobility.pdf>

Schweizer, J, Meggs, JN, Bertoni, S., Pashkevich, A. 2011. Round table: rapid, quantitative assessment methods in support for cycling policy formulation. Velo-City Global 2011 (led conference workshop). Page 13 in Program: http://www.velo-city2011.com/download/programa_ingles.pdf

Meggs, Jason N., Sferios, Emanuel. 2010. Peak Oil & Food Production: A Debate. Name is Free Soul (blog). <https://web.archive.org/web/20101019192044/http://sferios.blogspot.com/2010/04/peak-oil-and-food-production-debate.html> (republished March 5, 2022 as “Peak Oil & Food Debate” with photos added: <https://meggsreport.wordpress.com/2022/03/05/peak-oil-and-food-debate/>)

Meggs, Jason. 2009. Socioeconomic Disparities of NO₂ Distribution in Los Angeles. Biostatistics term paper finding unequal spatial distribution of pollution corresponding to spatial distribution of indicators of inequality such as race, income, and education (e.g., environmental injustice), utilizing data from 201 sampling sites, and a Land Use Regression Model. <https://bclu.org/jasonmeggs/jasonmeggs-NO2-EJ-HIA-biostat.pdf>

Meggs, Jason. 2008. Hearst Avenue Sidewalk & Bicycle Lane Feasibility Study. Professional report in satisfaction of Master of City Planning (MCP) degree. Multipart approach: surveys (traffic/people), data analysis, coordinating team, engineering & policy. Topic was presented to local planners, business people & decisionmakers, became top Pedestrian Plan priority. <http://www.bclu.org/jasonmeggs-worksamples.pdf>

Meggs, Jason. 2007. Worker Safety in the Berkeley BART Station: Aerosolized Metals Analysis. Low-income Bikestation worker exposure to metro train related particulate matter assessed with five air samplers, including worker-borne occupational sampler, analyzed for metals via Inductively Coupled Spectroscopy. Implications of dangerous levels of metal and asbestos found. <https://bclu.org/jasonmeggs/Meggs-Jason-BART-Bike-Station-Air-Quality-Study.pdf>

Hrushowy, Neil James Christopher. 2006. A case study of pedestrian space networks in two traditional urban neighbourhoods, Copenhagen, Denmark. Thesis (Ph.D.)--University of California, Berkeley. (GIS Technical assistance.) <https://escholarship.org/uc/item/8m67n55j> / <https://trid.trb.org/view/1120070>

Meggs, Jason N. 2005. Wherever the Wheel? Into the thickets of bicycling's dive, 1890-1920. Analysis of the factors that led to the decline of bicycling in the USA after its boom year 1897.

Transportation Demand Management Study, City of Berkeley (Wilbur Smith Associates) 2001. Official representative to stakeholder groups, participated & influential throughout process. http://www.ci.berkeley.ca.us/Public_Works/Transportation/TDM_Management_Study.aspx

City of Berkeley General Plan Update: A Guide to Public Decision Making (2003). Official representative to stakeholder groups, participated throughout process, authored innovative new policy on inclusion of storage space for bicycles & all other equipment necessary for a carfree lifestyle. Similar policies later adopted in numerous cities including San Francisco. <http://www.ci.berkeley.ca.us/contentdisplay.aspx?id=488>

Meggs, Jason. "A Well Camera'd Society is a Polite Society", Critical Mass: Bicycling's Defiant Celebration (book). Chris Carlsson, editor. AK Press. 2002.

Grover & Associates, East Bay Bicycle Coalition, *Bike the Bridge!* Coalition. Commissioned & co-ordinated study of environmental factors for regional bicycle/pedestrian advocates' position on best placement & design of new Bay Bridge East Span multi-use facility. 1998. <http://www.stevengrover.com/99-08-sf-oakland-bay-bridge>

Caltrans' Richmond-San Rafael Public Access Feasibility Study (1998). Official participant/stakeholder representative to inter-agency study & its resultant 343-page report following successful regional campaign leadership. 1998. <https://trid.trb.org/view.aspx?id=602061>

A. Chen, J. He, L. Xu, F. C. Gey, & J. Meggs. Chinese Text Retrieval Without Using a Dictionary. In A. Desai Narasimhalu Nicholas J. Belkin & Peter Willett, editors, Proceedings of the 20th Annual International ACM SIGIR Conference on Research & Development in Information Retrieval, Philadelphia, pages 42-49, 1997. <https://dl.acm.org/doi/abs/10.1145/258525.258532>

F. C. Gey, A. Chen, J. He, L. Xu, & J. Meggs. Term importance, Boolean conjunct training, negative terms, & foreign language retrieval: probabilistic algorithms at TREC-5. In D. K. Harman & Ellen Voorhees, editors, The Fifth Text REtrieval Conference (TREC-5), NIST Special Publication 500-238, pages 181-190, November 1997. <https://trec.nist.gov/pubs/trec5/papers/brkly.trec5.main.ps.gz> via https://trec.nist.gov/pubs/trec5/t5_proceedings.html

J. He, L. Xu, , A. Chen, J. Meggs, & F. C. Gey. Berkeley Chinese Information Retrieval at TREC-5: Technical Report. In D. K. Harman & Ellen Voorhees, editors, The Fifth Text REtrieval Conference (TREC-5), NIST Special Publication 500-238, pages 191-196, November 1996.

<https://trec.nist.gov/pubs/trec5/papers/brkly.trec5.chinese.ps.gz> via
https://trec.nist.gov/pubs/trec5/t5_proceedings.html

FC Gey, A Chen, J He, J Meggs - Text Retrieval Conference, 1996. Logistic Regression at TREC4:
Probabilistic Retrieval from Full Text Document Collection.

<https://trec.nist.gov/pubs/trec4/papers/berkeley.ps.gz> via
https://trec.nist.gov/pubs/trec4/t4_proceedings.html