IMPROVING ACTIVE TRANSPORTATION DATA IN HIAS WITH AUTOMATED COUNTERS
LESSONS FROM CA

WILLIAM RIGGS, PHD
PRESENTATION OUTLINE

• Introduction
• Policy Role
• Cases
• Findings
• Key Take Aways
INTRODUCTION

- Data Essential for ATP & HIA Inserts
- Gathered in formative and evaluative phases
- Automated counters
- Varies in equipment, cost, purpose and output
CASES
CITY
CONCORD

OPEN SPACE
DISTRICT
SAN LUIS OBISPO (SLO)
CONCORD

- 1) Equip / Methods: Eco-Visio Ecocounter & Manual
- 2) Purpose: Sidewalk & Bikeway volumes counts to inform HIA / ATP
- 3) Policy and Research Outcome: Consistent Error & Site Applicability Lessons to Prior Academic Work

What Do You Like Most?

Please place your stickers on the bicycle and/or pedestrian designs you like.
1) Equip / Methods: Eco-Visio Ecocounter, Infrared Motion Sensor, Mobile Phones & Manual

2) Trail volumes counts for health and economic impacts of open space study

3) Policy and Research Outcome: Decreased reliability due to variety of factors, possibility for combining with other methods for access / EJ assessment & exploration of more cost-effective rapidly deployable methods

User Stats

- Johnson Ranch
- Bishop Peak
- Cerro San Luis

Average Daily Users
Peak Daily Users

0 325 650 975 1300 1625
FINDINGS

- Confirmation of prior results with regard to error although more erratic / volatile for open space
- Opportunities to combine with other methods for sophisticated O/D & accessibility evaluation
- Opportunities to experiment with more rapidly deployable devices
KEY TAKE AWAYS

- Data - lots of it consistently over time
- Many application - campus, street, open space
- Expensive and inexpensive options (rapidly deployable)
- Variability in technology and accuracy
- Opportunity for mixed methods, creativity and innovation
WILLIAM RIGGS, PHD, AICP, LEED AP
WRIGGS@CALPOLY.EDU