Bike Sharing in North America

Pro Walk / Pro Bike 2008
Transforming Communities
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Bike Sharing in North America

1. Background
2. System Components
3. Success Stories
4. North American Systems
5. Panel
6. Discussion
Background > *Three Generations*

1\(^{st}\) Generation:
> Amsterdam White Bikes

2\(^{nd}\) Generation
> Copenhagen, Toronto, Portland Yellow Bikes

3\(^{rd}\) Generation
> Velib, Bicing, Velo’v…
Background > Three Generations

Technological Changes:
Cell phones, GPS, RFID
Background > Third Generation

• Electronic access
• Low cost to users
• Simple, sturdy bicycles
• Return to any station
Background > Large Systems

- Paris (20,600) > third-party contractor
- Barcelona (6,000) > third-party contractor
- Lyon (4,000) > third-party contractor
- Montreal (2,400) > municipal agency
- Copenhagen (2,000) > municipal agency
- Berlin (1,700) > federal rail agency
- Munich (1,350) > federal rail agency
- Oslo (1,200) > third-party contractor
- Stockholm (1,000) > third-party contractor
Components

- Bicycles
- Docking Stations
- User Access
- Central System
- Maintenance
- Redistribution
- Marketing and Info
- Cycling Infrastructure
Components > Bicycles

user-powered vs. electric-assist
Components > Docking Stations

solar power vs. grid-connected
Components > User Access

mobile phone vs. smart card
Components > Central System
Components > Maintenance
Components > Redistribution
Components > Marketing & Info
Components > Cycling Infrastructure
Success Stories > Lyon

Launched: 2005
Bicycles: 3,000
Stations: 340
# citizens/bike: 155
Operator: JCDecaux
Success Stories > Barcelona

Launched: 2007
Bicycles: 6000
Stations: 212
# citizens/bike: 268
Operator: Clear Channel
Success Stories > Paris

Launched: 2007
Bicycles: 20,600
Stations: 1,425
# citizens/bike: 104
Operator: JCDecaux
North American Programs…

• Washington DC (120)
• Montreal (2,400)
• Chicago (1,500?)
• Portland (500?)
• Seattle (300?)
• San Francisco (?)
• Boston (?)
• Philadelphia (?)
• New York (?)
• Vancouver BC (3,800?)
Panel / Discussion

- Vancouver BC
- Washington DC
- Montreal QC