



600 NE Grand Ave.
 Portland, OR 97232-2736
 oregonmetro.gov

Meeting: Metro Technical Advisory Committee (MTAC) and
 Transportation Policy Alternatives Committee (TPAC) workshop

Date: Wednesday, May 12, 2021

Time: 10:00 a.m. – 12:00 p.m.

Place: Zoom virtual meeting: The recording of the public meeting requires consent by participants

Click the link to join the meeting:

<https://us02web.zoom.us/j/87810133663?pwd=bnJtQWszZWVlKelpZTGo2dZdYZllsUT09>

Passcode: 999999

Telephone: 877-853-5257 (toll free)

10:00 am	1.	Call meeting to order <ul style="list-style-type: none"> • Introductions • Committee member updates around the Region (Chair Kloster/all) 	Tom Kloster, Chair
10:15 am	2.	Public Communications On Agenda Items	Tom Kloster, Chair
10:17 am	3. *	Minutes Review from March 24, 2021 MTAC/TPAC workshop	Tom Kloster, Chair
10:20 am	4. *	Safe Routes to School (SRTS) program and campaign updates	Noel Mickelberry, Metro Shaina Hobbs, Portland Bureau of Transportation
10:50 am	5. *	Federal Transportation Infrastructure Funding	Tyler Frisbee, Metro
11:30 am	6. *	Regional Land Information System – RLIS Live 100	Steve Erickson, Metro Chris Johnson, Metro
12:00 pm	7.	Adjournment	Tom Kloster, Chair
		<p>Upcoming meetings and workshops are listed in work programs, included in committee meeting packets.</p> <p>*Material will be emailed with meeting notice</p> <p>To check on building closure call 503-797-1700</p> <p>For agenda or schedule information email marie.miller@oregonmetro.gov</p>	

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សេចក្តីជូនដំណឹងអំពីការមិនរើសអើងរបស់ Metro

ការគោរពសិទ្ធិពលរដ្ឋរបស់ ។ សំរាប់ព័ត៌មានអំពីកម្មវិធីសិទ្ធិពលរដ្ឋរបស់ Metro ឬដើម្បីទទួលបានការបណ្តឹងរើសអើងសូមចូលទស្សនាគេហទំព័រ www.oregonmetro.gov/civilrights។
បើលោកអ្នកត្រូវការអ្នកបកប្រែភាសានៅពេលអង្គប្រជុំសាធារណៈ សូមទូរស័ព្ទមកលេខ 503-797-1700 (ម៉ោង 8 ព្រឹកដល់ម៉ោង 5 ល្ងាច ថ្ងៃធ្វើការ) ប្រាំពីរថ្ងៃ ថ្ងៃធ្វើការ មុនថ្ងៃប្រជុំដើម្បីអាចឲ្យគេសម្រួលតាមសំណើរបស់លោកអ្នក ។

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**2021 Metro Technical Advisory Committee (MTAC) Work Program
As of 4/29/2021**

<p>January 20, 2021 – MTAC Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> • Committee member updates around the region (Chair Kloster and all) • Fatal Crashes Update (Lake McTighe) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Development of site readiness toolkit presentation (Jeffrey Raker, Metro, Alex Joyce, Cascadia Partners, Ken Anderton, Port of Portland; 45 min) • Naito Main Street South Portland Area Planning Project Overview (Kevin Bond, Ryan Curren, Patrick Sweeney, City of Portland; 45 min) 	<p>February 17, 2021 – MTAC/TPAC Workshop Virtual Mtg. <u>Agenda Items</u></p> <ul style="list-style-type: none"> • Regional Emergency Transportation Routes Update – Draft RETR Routes and Report (Kim Ellis, Metro/ Laura Hanson, RDPO/ Thuy Tu, Thuy Tu Consulting/ Allison Pynch, Salus Resilience/ Jed Roberts, FLO Analytics; 90 min)
<p>March 17, 2021 – MTAC Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> • Committee member updates around the region (Chair Kloster and all) • Fatal Crashes Update (Lake McTighe) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • HB 2001 and HB 2003 final rule results and implications to Metro area (Ethan Stuckmayer, Oregon Department of Land Conservation & Development; 90 min) 	<p>March 24, 2021 – MTAC/TPAC Workshop Virtual Mtg. <u>Agenda Items:</u></p> <ul style="list-style-type: none"> • Transportation and Land Use Climate Rulemaking Workshop Panel Discussion Brian Hurley, ODOT/Bill Holmstrom, DLCD/ Karen Williams, DEQ; 90 min.)
<p>May 19, 2021 – MTAC Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> • Committee member updates around the region (Chair Kloster and all) • Fatal Crashes Update (Lake McTighe) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> • Shelter to Housing Program (Eric Engstrom, City of Portland; 45 min) • McLoughlin Corridor Brownfield Grant & upcoming EPA grant to support affordable housing (Brian Harper; 45 min) <p>May 12, 2021 – MTAC/TPAC Workshop Virtual Mtg. <u>Agenda Items:</u></p> <ul style="list-style-type: none"> • Safe Routes to School (SRTS) program and campaign updates (Noel Mickelberry, Metro and Shaina Hobbs (Portland Bureau of Transportation; 30 min) • Federal Transportation Infrastructure Funding (Tyler Frisbee, Metro; 30 min) • Regional Land Information System – RLIS Live 100 (Steve Erickson/Chris Johnson, Metro; 30 min) 	<p>June 23, 2021 – MTAC/TPAC Workshop Virtual Mtg. <u>Agenda Items:</u></p> <ul style="list-style-type: none"> • Status Report on Household Survey (Chris Johnson, Metro; 60-90 min) • <i>State Economic & Revenue Forecast (Mark McMullen, John Lehner, Oregon Office of Economic Analysis)</i> • <i>What’s new at the Oregon Zoo?</i>

<p>July 21, 2021 – MTAC Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Community member updates around the region (Chair Kloster and all) Fatal Crashes Update (Lake McTighe) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Update on 2018 UGB expansion areas & impact on supply of housing land (Roger Alfred; 20 min) Title 11 Concept or Comprehensive Planning project updates: Beaverton Cooper Mountain – Cassera Phipps Tigard River Terrace – Schuyler Warren 	<p>August 18, 2021 – MTAC/TPAC Workshop Virtual Mtg. <u>Agenda Items:</u></p> <ul style="list-style-type: none"> Regional Freight Delay and Commodities Movement Study Policy Framework Discussion (Tim Collins, Metro; 30 min) Regional Mobility Policy Update (Kim Ellis, Metro/ Lidwien Rahman, ODOT/ Susie Wright, Kittelson; 80 min)
<p>September 15, 2021 – MTAC Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Community member updates around the region (Chair Kloster and all) Fatal Crashes Update (Lake McTighe) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Title 11 Concept or Comprehensive Planning project updates: King City Kingston Terrace – Mike Weston 	<p>October 20, 2021 – MTAC/TPAC Workshop Virtual Mtg. <u>Agenda Items:</u></p> <ul style="list-style-type: none"> Scoping Kick-off for 2023 Regional Transportation Plan Update (Kim Ellis, Metro; 90 min) <i>Emerging Growth Trends work program (Ted Reid; 20 min)</i>
<p>November 17, 2021 – MTAC Virtual Meeting <u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Community member updates around the region (Chair Kloster and all) Fatal Crashes Update (Lake McTighe) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Title 11 Concept or Comprehensive Planning project updates: Hillsboro Witch Hazel Village South – Dan Rutzick <i>Local jurisdictions & City of Portland efforts around HB 2001 (Speakers TBD)</i> 	<p>Dec. 15, 2021 – MTAC/TPAC Workshop Virtual Mtg. <u>Agenda Items:</u></p> <ul style="list-style-type: none"> <i>2020 Census Report Update (Chris Johnson & TBD)</i>

Parking Lot/Bike Rack: Future Topics (These may be scheduled at either MTAC meetings or combined MTAC/TPAC workshops)

- SW Corridor Updates and Equity Coalition (Brian Harper, Metro and others?)
- Coordinated panel from City of Portland, TriMet and Metro/others to address SW Corridor transportation, funding issues and gentrification issues moving forward on the project with future plans
- Status report on equity goals for land use and transportation planning
- Regional city reports on community engagement work/grants
- Regional development changes reporting on employment/economic and housing as it relates to growth management
- Update report on Travel Behavior Survey
- Updates on grant funded projects such as Metro’s 2040 grants and DLCD/ODOT’s TGM grants. Recipients of grants.
- Regional Data Strategy
- Transit-Oriented Development (TOD) annual report/project profiles report
- Reports from regional service providers affecting land use and transportation, future plans
- Best Practices and Data to Support Natural Resources Protection (Lake McTighe, Metro; 90 min)
- Intro to Greater Portland, Inc. new President/CEO Monique Claiborne – program and event news
- Intro to Patricia Rojas, Metro Program Director of Supportive Housing Services – program news
- Updates: Beaverton’s Elmonica Neighborhood Development Plans, Willamette Cove Cleanup efforts, Clackamas County new park, Boardman Wetlands, Blue Lake Regional Park infrastructure updates

For MTAC agenda and schedule information, e-mail marie.miller@oregonmetro.gov
 In case of inclement weather or cancellations, call 503-797-1700 for building closure announcements.



2021 TPAC Work Program

As of 4/29/2021

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NOTE: Items in *italics* are tentative; **bold** denotes required items

May 7, 2021 virtual meeting

Comments from the Chair:

- Creating Safe Space at TPAC, (chat) (VC Leybold)
- Committee member updates around the Region (Vice Chair Leybold & all)
- Monthly MTIP Amendments Update (Ken Lobeck)
- Fatal crashes update (Lake McTighe)
- MTIP proposed subcommittee/work group/pilot concept (Ted Leybold)

Agenda Items:

- **MTIP Formal Amendment 21-5177 Recommendation to JPACT** (Lobeck, 10 min)
- 2025-27 RFFA Strategic Direction discussion (Dan Kaempff, 35 min)
- 2020-21 TSMO Strategy Update Progress (Caleb Winter, 30 min)
- Metro Emerging Trends Study (Eliot Rose; 20 min)
- Regional Freight Study Updates (Tim Collins; 20 min.)
- 2024-27 ODOT Administered Funding-Program Allocations & Scoping updates (Chris Ford; 10 min)
- Committee Wufoo reports on Creating a Safe Space at TPAC (Vice Chair Leybold; 5 min)

May TPAC workshops

May 12:

TPAC/MTAC workshop, 10 am – noon

- Safe Routes to School (SRTS) program and campaign updates (Noel Mickelberry, Metro and Shaina Hobbs, PBOT; 30 min)
- Federal Transportation Infrastructure Funding (Tyler Frisbee, Metro; 30 min)
- Regional Land Information System – RLIS Live 100 (Steve Erickson/Chris Johnson; 30 min.)

May 26:

Regional Transportation Safety Forum, 9 am – noon (TPAC invited, attendance optional)

June 4, 2021 virtual meeting

Comments from the Chair:

- Creating Safe Space at TPAC, (chat) (Chair Kloster)
- Committee member updates around the Region (Chair Kloster & all)
- Monthly MTIP Amendments Update (Ken Lobeck)
- Fatal crashes update (Lake McTighe)

Agenda Items:

- **MTIP Formal Amendment 21-**** Recommendation to JPACT** (Lobeck, 15 min)
- **2025-27 RFFA Strategic Direction Recommendation to JPACT** (Kaempff, 45 min)
- Regional Congestion Pricing Study – draft findings and recommendations (Elizabeth Mros-O’Hara; 30 min)
- Regional Mobility Policy Update (Kim Ellis, Metro/ Lidwien Rahman, ODOT, 30 min)
- 2024-2027 MTIP Revenue Forecast (Ted Leybold, Grace Cho, 15 min)
- 2024-27 ODOT Administered Funding-Program Allocations & Scoping updates (Chris Ford; 10 min)
- Committee Wufoo reports on Creating a Safe Space at TPAC (Chair Kloster; 10 min)

June TPAC workshops

June 23:

TPAC/MTAC workshop, 10 am – noon

- Status Report on Household Survey (Chris Johnson, 60-90 min)
- *State Economic & Revenue Forecast (Mark McMullen, Josh Lehner, Oregon Office of Economic Analysis)*
- *What’s new at the Oregon Zoo?*



2021 TPAC Work Program

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July 9, 2021 virtual meeting

Comments from the Chair:

- Creating Safe Space at TPAC, (chat) (Chair Kloster)
- Committee member updates around the Region (Chair Kloster & all)
- Monthly MTIP Amendments Update (Ken Lobeck)
- Fatal crashes update (Lake McTighe)

Agenda Items:

- **MTIP Formal Amendment 21-******
Recommendation to JPACT (Lobeck, 15 min)
- **Regional Congestion Pricing Study, Final Report - Resolution 21-****** Recommendation to JPACT (Elizabeth Mros-O'Hara; 15 min)
- Metro Legislative Session Recap update (Anneliese Koehler, Metro; 30 min)
- *TV Highway Corridor Study (Malu Wilkinson and Michaela Skiles; 30 min)*
- 2024-27 ODOT Administered Funding-Program Allocations & Scoping updates (Chris Ford; 10 min)

August 6, 2021 virtual meeting

Comments from the Chair:

- Creating Safe Space at TPAC, (chat) (Chair Kloster)
- Committee member updates around the Region (Chair Kloster & all)
- Monthly MTIP Amendments Update (Ken Lobeck)
- Fatal crashes update (Lake McTighe)

Agenda Items:

- **MTIP Formal Amendment 21-******
Recommendation to JPACT (Lobeck, 15 min)
- 2024-27 ODOT Administered Funding-Program Allocations & Scoping updates (Chris Ford; 10 min)
- Committee Wufoo reports on Creating a Safe Space at TPAC (Chair Kloster; 10 min)

August 18, 2021 - MTAC/TPAC Workshop Virtual Mtg.

Agenda Items:

- Regional Freight Delay and Commodities Movement Study Policy Framework Discussion (Tim Collins, Metro; 30 min)
- Regional Mobility Policy Update (Kim Ellis, Metro, Lidwien Rahman, ODOT, and Susie Wright, Kittelson; 80 min)

September 3, 2021 virtual meeting

Comments from the Chair:

- Creating Safe Space at TPAC, (chat) (Chair Kloster)
- Committee member updates around the Region (Chair Kloster & all)
- Monthly MTIP Amendments Update (Ken Lobeck)
- Fatal crashes update (Lake McTighe)

Agenda Items:

- **MTIP Formal Amendment 21-******
Recommendation to JPACT (Lobeck, 15 min)
- 2024-27 ODOT Administered Funding-Program Allocations & Scoping updates (Chris Ford; 10 min)
- Committee Wufoo reports on Creating a Safe Space at TPAC (Chair Kloster; 10 min)



October 1, 2021 virtual meeting

Comments from the Chair:

- Creating Safe Space at TPAC, (chat) (Chair Kloster)
- Committee member updates around the Region (Chair Kloster & all)
- Monthly MTIP Amendments Update (Ken Lobeck)
- Fatal crashes update (Lake McTighe)

Agenda Items:

- **MTIP Formal Amendment 21-******
Recommendation to JPACT (Lobeck, 15 min)
- *Regional Mobility Policy Update* (Kim Ellis, Metro/
Lidwien Rahman, ODOT, 30 min)
- 2024-27 ODOT Administered Funding-Program
Allocations & Scoping updates (Chris Ford; 10
min)
- Committee Wufoo reports on Creating a Safe Space
at TPAC (Chair Kloster; 10 min)

October 20, 2021 – MTAC/TPAC Workshop Virtual Mtg.

- Scoping Kick-off for 2023 Regional Transportation
Plan Update (Kim Ellis, Metro; 90 min)
- *Emerging Growth Trends work program* (Ted Reid, 20
min)

November 5, 2021 virtual meeting

Comments from the Chair:

- Creating Safe Space at TPAC, (chat) (Chair Kloster)
- Committee member updates around the Region (Chair Kloster & all)
- Monthly MTIP Amendments Update (Ken Lobeck)
- Fatal crashes update (Lake McTighe)

Agenda Items:

- **MTIP Formal Amendment 21-******
Recommendation to JPACT (Lobeck, 15 min)
- **Regional Mobility Policy Update**
Recommendation to JPACT (Kim Ellis, Metro/
Lidwien Rahman, ODOT, 30 min)
- 2024-27 ODOT Administered Funding-Program
Allocations & Scoping updates (Chris Ford; 10
min)
- Committee Wufoo reports on Creating a Safe Space
at TPAC (Chair Kloster; 10 min)



2021 TPAC Work Program

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December 3, 2021 virtual meeting

Comments from the Chair:

- Creating Safe Space at TPAC, (chat) (Chair Kloster)
- Committee member updates around the Region (Chair Kloster & all)
- Monthly MTIP Amendments Update (Ken Lobeck)
- Fatal crashes update (Lake McTighe)

Agenda Items:

- **MTIP Formal Amendment 21-******
Recommendation to JPACT (Lobeck, 15 min)
- 2023 Regional Transportation Plan Update Scoping (Kim Ellis, 30-45 min.)
- 2024-27 ODOT Administered Funding-Program Allocations & Scoping updates (Chris Ford; 10 min)
- Committee Wufoo reports on Creating a Safe Space at TPAC (Chair Kloster; 10 min)

December 15, 2021 – MTAC/TPAC Workshop (if needed)

- *2020 Census Report Update (Chris Johnson, TBD)*

Parking Lot: Future Topics/Periodic Updates

- | | |
|--|---|
| <ul style="list-style-type: none"> • TV Highway Corridor Study (Wilkinson/Skiles) • Hwy 26/Westside Transportation Study (Bihn/ODOT) • I-5 Bridge Replacement Project Update, fall/winter • I-205 Project Update • Update on SW Corridor Transit • Rose Quarter update, fall/winter • Burnside Bridge Earthquake Ready Project Update (Megan Neill, Multnomah Co) | <ul style="list-style-type: none"> • Columbia Connects Project • 2020 Census • Ride Connection Program Report (Julie Wilcke) • Get There Oregon Program Update (Marne Duke) • Update on US Congress INVEST in America Act and HEROS Act (informational) • RTO Updates (Dan Kaempff) • 2021 PILOT Grants Update (Eliot Rose) • Telework affects post COVID on transportation (TriMet/Eliot Rose) • Best Practices and Data to Support Natural Resources Protection (Lake McTighe, 90 min) |
|--|---|

Agenda and schedule information E-mail: marie.miller@oregonmetro.gov

To check on closure or cancellations during inclement weather please call 503-797-1700.



Meeting minutes

Meeting: **Metro Technical Advisory Committee (MTAC) and Transportation Policy Alternatives Committee (TPAC) workshop meeting**

Date/time: Wednesday, March 24, 2021 | 10:00 a.m. to 12 noon

Place: Virtual conference meeting held via Zoom

Members, Alternates Attending

Tom Kloster, Chair
Eric Hesse
Dayna Webb
Jeff Owen
Karen Williams
Idris Ibrahim
Yousif Ibrahim
Jamie Stasny
Steve Williams
Allison Boyd
Erin Wardell
Peter Hurley
Jaimie Huff
Jay Higgins
Glen Bolen
Tom Armstrong
Erik Olson
Jean Senechal Biggs
Laura Weigel
Joseph Briglio
Steve Koper
Anne Debbaut
Nina Carlson
Darci Rudzinski
Nicole Johnson
Andrea Hamberg

Affiliate

Metro
City of Portland
City of Oregon City and Cities of Clackamas County
TriMet
Oregon Department of Environmental Quality
TPAC Community Member
TPAC Community Member
Clackamas County
Clackamas County
Multnomah County
Washington County
City of Portland
City of Happy Valley & Cities of Clackamas County
City of Gresham & Cities of Multnomah County
Oregon Department of Transportation
City of Portland
City of Lake Oswego
City of Beaverton
City of Milwaukie
City of Happy Valley
City of Tualatin
Department of Land and Conservation Development
NW Natural
EMEA, CCBA & WEA
1000 Friends of Oregon
Multnomah County Public Health

Guests Attending

Joy Fields
Laura Edmonds
Liz Hormann
Mike Foley
Brian Hurley
Bill Holmstrom
Brian Martin
Cody Meyer
Evan Manvel
Ben Bryant
Dave Roth
Judith Gray
Kelsey Lewis

Affiliate

Clackamas County
North Clackamas County Chamber of Commerce
Portland Bureau of Transportation
Clackamas County Citizen
Oregon Department of Transportation
Oregon Department of Land Conservation & Dev.
City of Beaverton
Oregon Department of Land Conservation & Dev.
Oregon Department of Land Conservation & Dev.

City of Tigard

City of Tualatin

Guests Attending

Kevin Young
Matt Crall

Affiliate

Oregon Department of Land Conservation & Dev.
Oregon Department of Land Conservation & Dev.

Metro Staff Attending

Kim Ellis, Principal Transportation Planner	Ted Leybold, Planning Resource Manager
Dan Kaempff, Principal Transportation Planner	Chris Johnson, Research Manager
John Mermin, Senior Transportation Planner	Grace Cho, Senior Transportation Planner
Lake McTighe, Regional Planner	Ted Reid, Principal Transportation Planner
Tim O'Brien, Principal Transportation Planner	Molly Cooney-Mesker, Senior Public Affairs Spec.
Rebecca Small, Associate Regional Planner	Marie Miller, TPAC & MTAC Recorder

1. Call meeting to order and introductions (Chairman Kloster)

Chairman Tom Kloster called the workshop meeting to order at 10 a.m. Introductions were made. The meeting format held in Zoom with chat area for shared links and comments, screen name editing, mute/unmute, and hands raised for being called on for questions/comments were among the logistics reviewed.

2. Comments from the Chair & Committee member updates from around the Region (Chairman Kloster)

None provided

3. Public Communications on Agenda Items

None provided

4. Transportation and Land Use Climate Rulemaking Workshop Panel Discussion

Brian Hurley, Oregon Department of Transportation
Bill Holmstrom, Oregon Department of Land Conservation & Development
Karen Williams, Oregon Department of Environmental Quality

Mr. Hurley began the presentation by providing background on Every Mile Counts: The *Statewide Transportation Strategy: A 2050 Vision for Greenhouse Gas Reduction* that was completed in 2013, following Legislative direction to identify ways to reduce transportation-related GHG emissions. It was developed over a three-year period with extensive stakeholder engagement and technical analysis. Throughout the development process, ODOT worked in close collaboration with sister agencies including: DLCD, DEQ, and DOE. This collaboration was essential to identifying actions that cross agency authorities. In addition, actions were identified that fall under the authority of local jurisdictions, businesses, and the public to implement and resulted in a comprehensive approach to GHG emission reduction for transportation.

Every Mile Counts efforts include:

Transportation Options

- Statewide Trip Reduction Policy- DEQ
- Parking Management- DLCD

Local GHG Reduction Planning

- Climate Friendly and Equitable Communities- DLCD
- Scenario and Local Climate Pollution Reductions Planning- DLCD & ODOT
- GHG Reduction Performance Measures- Multi-Agency

Cleaner Fuels

- Clean Fuels Program- DEQ
- Truck Alternative Fuels Study- DEQ
- Emissions Standards and ZEV Requirements for Trucks-DEQ

Transportation Electrification

- Interagency ZEV Action Plan-ODOE
- Transportation Electrification Infrastructure Needs Analysis-ODOT

The Transportation Electrification Infrastructure Needs Analysis was described. To evaluate the electric vehicle charging needs in Oregon over the next 15 years, ODOT's Transportation Electrification Infrastructure Needs Analysis (TEINA) project team has summarized the existing status of a full spectrum of transportation electrification capabilities in Oregon. This work contrasts our state's charging scope and mix with other states, and forms a baseline for modeling projections. Foundational data on nine use cases of electric transportation have been developed. Scenarios will explore a base case, and rapid and slower adoption schedules for projections of EV charging needed to meet SB 1044 light-duty ZEV goals.

Results will show charging needs – by type, year, and census tract – required to support transportation electrification in rural and urban venues, along corridors, and in disadvantaged communities. The results will also provide an overview of projected charging needs for Oregon to electrify school buses and transit, e-bikes and e-scooters, transportation network companies, and delivery and long-haul freight. A series of twelve Listening Sessions have gathered feedback from groups representing the nine use cases. A diverse Advisory Group provides insights on technical issues, and will be exploring policy concepts at their March 2021 meeting. The TEINA report will be submitted to the Governor's Office in June 2021.

Comments from the committee:

- Peter Hurley thanked ODOT and partners for their efforts on this initiative. It was asked to expand on the transportation emissions dashboard mentioned in the meeting packet materials. Brian Hurley noted that to ensure that the state agencies are on track to meet transportation GHG emission reduction goals, ODOT is leading the development of a multi-agency Transportation Emissions Dashboard website to demonstrate the progress towards implementing the STS and achieving the GHG reduction goals. The interactive online dashboard will report on a number of performance measures and indicators related to efforts on implementing the STS and the Every Mile Counts work plan actions. The dashboard goals toward achieving outcomes are for state agencies with a report to the Governor's office due in June this year.
- Steve Williams what market research was done to support the recommendations on EV charging stations in the state? Mr. Hurley noted the process for the research is being conducted now, which hopes to identify gaps in the charging system that make longer trips difficult without charging stations accessible, and infrastructure needs lacking across the state. When asked is usage patterns in mileage and locations were possible, Mr. Hurley noted ODOT would be happy to provide a follow-up report to the committees when the report is completed.
- Glen Bolen noted the different emission targets from STS compared to Metro goals. It was noted the STS targets are statewide with Metro using modeling for regional targets which don't

fully account for all the emission strategies. As more agencies share information the development of relative targets will become more refined.

- Peter Hurley asked if the Transportation Electrification Infrastructure Analysis addressing e-micromobility needs includes e-bikes and e-scooter electrification needs. This was confirmed.

Mr. Holmstrom began his presentation by placing the link to DLCD **Climate-Friendly and Equitable Communities Rulemaking**: <https://www.oregon.gov/lcd/LAR/Pages/CFEC.aspx> It was noted that transportation accounts for roughly 38% of Oregon's climate pollution. On March 10, 2020, Governor Kate Brown issued Executive Order 20-04, directing state agencies to reduce climate pollution. In response, the Oregon Land Conservation and Development Commission (LCDC) directed the Department of Land Conservation and Development (DLCD) to draft updates to Oregon's transportation and housing planning rules, and to convene a rulemaking advisory committee to help guide rule development.

Part of the four-agency Every Mile Counts work program includes DLCD-led actions:

- Transportation and land use planning
- Regional scenario planning for GHG reduction
- Parking management

Two main categories of action for rulemaking charges from DLCD are 1) Require Planning for Climate Pollution Reductions in Metropolitan Areas, which Metro has already accomplished with work on Climate Smart Communities, and 2) Require Climate-Friendly and Equitable Land Use and Transportation Planning Regulations.

With Climate Friendly and Equitable Land Use and Transportation Planning Regulations, Mr. Holmstrom noted six areas of rulemaking being discussed and developed: high levels of development in climate friendly areas, high quality pedestrian, bicycle and transit infrastructure, limited parking mandates, limit congestion standards, prioritize projects that reduce pollution, and electric vehicle charging.

Advisory committees and input from statewide stakeholders has included work to develop an equitable outcomes statement, with additional workshops planned for interagency coordination, working on potential spatial equity tools for local governments, and additional opportunities for review and comment through fall 2021. Adoption of rules is expected in March 2022.

Comments from the committee:

- Andrea Hamberg asked what metrics are being considered for the spatial equity tools. Cody Meyer noted the metrics will be outcomes from the performance measures that are being identified from various demographics (income, language proficiency, education, age, housing, location, etc.) Mr. Meyer noted that 95% of the information came from the census but more data is being collected with metrics ongoing the next 2-3 months.
- Chairman Kloster noted that the next Regional Transportation Plan update starting this fall will include these rulemaking strategies (parking management, mobility policy update) and more work on inclusive of equity in the functional plan.

Karen Williams began her presentation on Partnerships to Improve Air Quality and Climate and Expanding and Enhancing Commute Option Programs. DEQ's Greenhouse Gas Climate Policy Program

shows that the transportation sector contributes approximately 40% of total greenhouse gas annually in Oregon. Ozone (smog) measured in parts per billion frequently exceed the standard of 70%. A map showing reduced pollution in the air during 2020 in the Metro area was contributed to reduced traffic during the COVID pandemic and less commuters traveling. The goal of new commuter programs is to keep emissions and air pollutants lower moving forward.

Oregon Department of Environmental Quality (DEQ) rules apply in the Metro area with employers that have more than 100 employees. With employee commute options, each year alternative commutes can prevent millions of vehicle miles traveled and associated air pollution. DEQ's goal is to reduce miles traveled by 10% of the previous year baseline.

DEQ is proposing to expand commute options statewide, working to develop the plan with statewide transportation management agencies, regional jurisdictions, employers, commuters and community based organizations that are locally aligned with existing rules, provide fair regulation and equitable benefits, and are effective at reducing pollutants. These would need to have measurements and standards established for reporting.

Strengthening the Portland Employee Commute Options (ECO) Rule will involve more detailed employee surveys with better incentives and additional information on commuter travel. Indirect source rules and the potential of expansion was discussed. In addition to all modes of travel, parking lots were included as possible Portland indirect source rules being considered in the rulemaking. Involvement in the commute rule includes the creation of the Rule Advisory Committee that will meet over the next several months, public comment periods, and conclude in November 2021 with a presentation at the Environmental Quality Commission meeting.

Comments from the committee:

- Eric Hesse asked for more information on the Advisory Committee with selection of members. Ms. Williams noted that submissions of appointments to serve on the committee are encouraged with anyone interested and other stakeholders suggested, with final approval made by the DEQ Director.
- Liz Hormann asked if the Advisory Committee was for the new statewide rule or for the updated Portland rule. Was this to be combined or two separate committees? Ms. Williams noted this was envisioned to be a combined committee that looked at the new rule from the existing rule, which might form a subcommittee as developed for Portland separately. The Advisory Committee is expected to convene in late May- early June.
- It was asked by whose authority the indirect rule would report. Ms. Williams noted she did not envision incorporating or revising the indirect rule with other agencies for DEQ enforcement, but authority to allow DEQ to regulate employers with ECO. Parking management rules that come from DLCDC may lead to DEQ revising current rules but these plans have not been discussed yet.
- Nina Carlson asked if there was a population size limit with the statewide rule much like the land use rules. Ms. Williams noted the rule was applicable to areas of MPO boundaries of 50,000 or more in population. While they do not apply to employers with lower populations, there are possible benefits for smaller cities and regions to benefit from the programs.

- Ms. Carlson noted that employees at NW Natural drive around the region in company vehicles for work, and currently return the vehicles at work before going home. Was part of the rulemaking looking at employers changing policies that cut commute trips such as this? Ms. Williams noted it was up to the companies and employers to provide commuter options that work best with their employees. Feedback on the rulemaking have asked for more guidance and information for policies that make a difference and provide enough incentive to make this difference.
- Peter Hurley noted past experience on the Washington trip reduction board where implementation of recommendations were successful because of partnerships between local/state agencies, and employers/employees. Testimony at legislative sessions helped gain funding for incentives with broad representation support.
- Grace Cho asked for clarification regarding the eco rule in the Metro area and if the STIP was to be reopened. And how would this interact with DEQ's efforts to advance ozone? Ms. Williams noted that DEQ will keep EPA informed but did not anticipate efforts would require the STIP reopened, more likely upgraded. Regarding the ozone advance, this state voluntary program with EPA works with local air quality representatives to have programs in place to prevent standard ozone levels from reaching higher. The ECO rule would still allow the state programs to stay in place.
- Jeff Owen asked how much work in these statewide issues could also be applied to improve clean air initiatives in current transit strategies. Cody Meyer noted that cleaning up fleet emissions help and is responsible for a large portion of the issue, but even if 100% of vehicles sold tomorrow were electric, there would still be 99% of old cars on roads with these emissions. Efforts need to come from reduction in VMT (vehicle miles traveled), and more efficiency in travel.

Brian Hurley added the average age of a car on the road now is 13, and getting older. It was agreed transit plays a big part of the plan to reduce emissions. Kim Ellis added that Climate Smart strategies assume targets to fleet and technology transitions are not on track, which is why Metro went beyond required targets for climate actions.

- Grace Cho asked for clarification on ODOT's agency climate action plan being developed. Brian Hurley noted that at the recent OTC meeting a list of potential ODOT agency specific actions were being proposed. This differs from the state agency collaborative action with Every Mile Counts. While objectives and staff will overlap, these are two different efforts. Every Mile Counts expects to conclude in June 2022, with ODOT's plan sometime in 2035.
- Glen Bolen noted that changes to trip lengths, patterns, locations of travel and services with working from home can be applied to upcoming TGM applications and Metro's 2040 grants. Chairman Kloster added that Eliot Rose is working with a consultant on the study of emerging trends in travel following the pandemic, which will be reported on.
- Ted Leybold noted ODOT's Stephanie Millard coordinates with Metro on transportation options. OTC was looking to possibly increase funding on these programs. Brian Hurley noted thought most of the funding would be directed for bike/ped projects and expanding commuter options.

The panel will be asked to check in again later in the year as more information is known.

5. Adjournment (Chairman Kloster)

There being no further business, meeting was adjourned by Chair Kloster at 12 pm.

Respectfully submitted,

Marie Miller, MTAC and TPAC Recorder

Attachments to the Public Record, MTAC and TPAC workshop meeting, March 24, 2021

Item	DOCUMENT TYPE	DOCUMENT DATE	DOCUMENT DESCRIPTION	DOCUMENT No.
1	Agenda	03/24/2021	03/24/2021 MTAC and TPAC workshop meeting agenda	032421M-01
2	Handout	N/A	Every Mile Counts Progress Report	032421M-02
3	Handout	N/A	Climate-Friendly and Equitable Communities Rulemaking	032421M-03
4	Handout	N/A	STS Multi-Agency Implementation Work Program Statewide Trip Reduction Ordinance Action Work plan	032421M-04
5	Presentation	03/24/2021	Every Mile Counts and Transportation Climate Efforts	032421M-05
6	Presentation	03/24/2021	Climate-Friendly and Equitable Communities Rulemaking	032421M-06
7	Presentation	03/24/2021	Partnerships to Improve Air Quality and Climate Expanding and Enhancing Commute Option Programs	032421M-07

Date: Wednesday, May 5th, 2021
To: Transportation Policy Advisory Committee & Metropolitan Technical Advisory Committee
From: Noel Mickelberry, Metro Safe Routes to School Program Coordinator
Shaina Hobbs, Portland Bureau of Transportation
Subject: Metro Safe Routes to School Program Update

The purpose of this memo is to provide an update on program development to date and specific opportunities for engagement with the program.

What is Safe Routes to School?

Safe Routes to School (SRTS) is a national movement that aims to make it safer and easier for students to walk and roll to school. The most successful Safe Routes to School programs incorporate the Six E's: Evaluation, Education, Encouragement, Engineering, Engagement, and Equity. While Equity stands alone as its own E, it's also critical to build equity into each aspect of a comprehensive Safe Routes to School program.

Background + Policy Direction

In 2016, JPACT & Metro Council allocated \$1.5 million through the 2019-2021 Regional Flexible Fund Allocation to create a regional Safe Routes to School program. Safe Routes to School was incorporated into the 2018 Regional Travel Options (RTO) Strategy. The RTO Strategy policy direction includes implementation of a regional Safe Routes to School program (non-infrastructure) with the following program elements:

- **Grant funding** dedicated to local, community-based Safe Routes to School activities that connect youth to education and encouragement opportunities related to school travel, with an emphasis on Title I schools or equivalent¹.
Program area highlights:
 - \$900,000 in grant funding for 2019-2021 grantees: 7 grantees including local jurisdictions, school districts, and community based organizations
 - In 2020, many local programs pivoted from traditional programming to support families during the COVID-19 pandemic in unique ways including food delivery (by bike!) and developing virtual activities to keep kids moving
- **Regional coordination** by one full-time Safe Routes to School Program Coordinator at Metro to manage grants and collaborate with local coordinators, state partners, and community groups across the region to advance SRTS.
Program area highlights:
 - Convene a monthly networking and program support meeting of SRTS practitioners
 - Conducting high school focus groups in Spring 2021 to support high school program development in the region
 - Preparing for 2022-2024 grant cycle, working with RTO team and racial equity consultant to develop and integrate racial equity outcomes
- **Technical assistance** funds to support program development, implementation, and evaluation. These funds will be prioritized based on local SRTS program needs and an analysis of needs in school communities without dedicated SRTS staff.
Program area highlights:

- New translation request form for local programs provides translation services for all SRTS materials in up to 5 languages
- Traffic Playground support – designing and installing permanent and temporary ‘traffic playgrounds’ for kids to learn biking and walking skills with the support of a regional Traffic Playground Toolkit
- Back to School 2021 support – Toolkit developed in 2020 with concepts for the return to in-person school. Metro is developing a suite of resources to support local programs, schools and families including:
 - Mini-grants for schools to implement strategies from the Back to School Toolkit
 - Developing a pilot ‘Corner Greeters’ program to support schools in addressing hate/harassment on the trip to school
 - #DriveLikeIt campaign phase 2 – a regionwide marketing campaign aimed at drivers and safety in school zones

#DriveLikeIt Campaign: Phase 1 & 2

In partnership with Metro, Portland Bureau of Transportation led an effort to develop a regional safety campaign for drivers traveling in school zones and on school routes to remind them of their role in keeping kids safe on our streets. Safe Routes to School practitioners throughout the region were consulted during the campaign development phase.

Phase 1 of the campaign launched in March 2021, when in-person hybrid school began. Phase 1 is entirely digital, and was designed to provide local programs, schools, and families easy-to-access materials to share the campaign’s core message: ‘Kids are Everywhere. Drive Like It’.

The materials have been translated into the five most commonly used languages by families in the Metro region in addition to English (Arabic, Chinese, Russian, Spanish & Vietnamese). All digital assets have alt-text embedded for accessibility, and were made without logos so they could be easily shared no matter what jurisdiction.

Phase 2 of the campaign will launch as part of Fall Back to School 2021 and will include more physical assets, a video, digital ad buys, and an updated campaign slogan of ‘School routes are everywhere. Drive Like It’.

Download Phase 1 materials and sign up for an alert when Phase 2 materials become available at:

www.oregonmetro.gov/KidsEverywhere

Materials following this page were distributed at the meeting.



Metro



Metro Safe Routes to School Program

TPAC/MTAC Program Update | May 2021

\$1.5M in regional SRTS funding

Approved by JPACT & Metro Council in 2016 as part of 2019-2021 Regional Flexible Fund Allocation

Dedicated funding in Step 1 as part of the Regional Travel Options program



Metro SRTS Program Components

- Grant funding
- Regional coordination
- Technical assistance



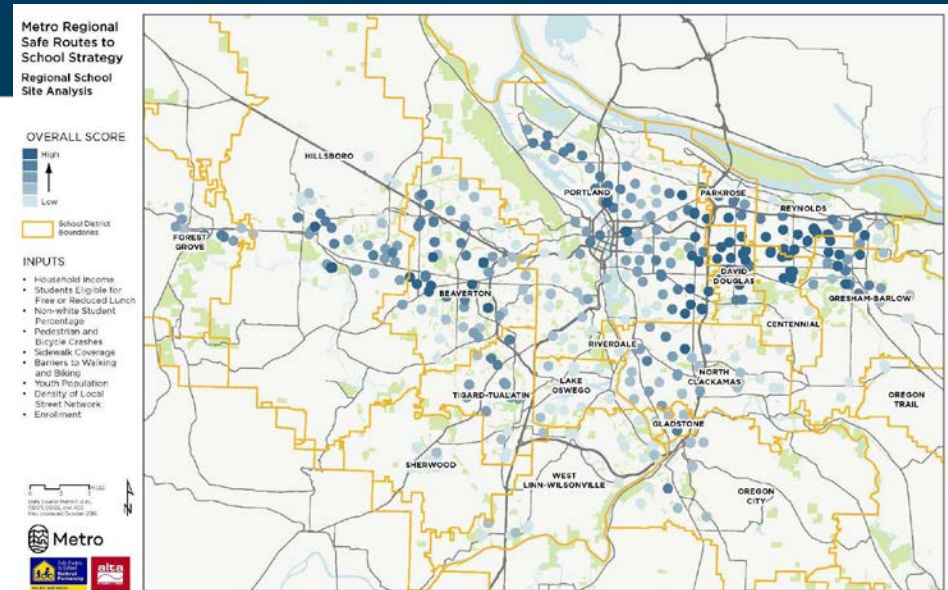
Grant funding: \$900,000

2015-2017 SRTS Grantees (\$283,000)	2017-2019 SRTS Grantees (\$461,000)	2019-2022 SRTS Grantees (\$900,000)
Portland Public Schools	Beaverton School District	Beaverton School District
Beaverton School District	East Multnomah County	City of Hillsboro
	City of Tigard	City of Portland
		City of Tigard
		Clackamas County
		Community Cycling Center
		East Multnomah County

- Over twice as much requested in 2019 as available funding
- SRTS activities also funded through Core Partner and I&I RTO categories
- New grant cycle begins July 2022

Regional Coordination: 2021 priorities

- ‘Refresh’ of Regional Safe Routes to School Framework Analysis
- High School Focus Groups
- Regular convening of SRTS practitioners, convening with school staff/leadership in future



HIGH SCHOOL FOCUS GROUPS

Share your experience and influence traffic safety programs in your community.

\$20 GIFT CARD

ONE-HOUR FOCUS GROUP ON ZOOM
APRIL / MAY 2021
SIGN UP WITH A PARENT OR GUARDIAN:
[PORTLAND.GOV/SAFE-ROUTES-FOCUS-GROUP](https://portland.gov/safe-routes-focus-group)

Technical Assistance: Translation

Translation services to local SRTS programs

- Metro funds translation of materials in up to 5 languages/project
- Online form for local programs to submit requests

Neighborhood Scavenger Hunt — Truy Tìm Kho Báu trong Khu Xóm
Color the items that you find on your walk — Tô màu những đồ vật bạn tìm thấy trên đường

 Squirrel Con sóc	 Park Công viên	 Pedestrian Crossing Người đi bộ qua đường	 Sharrows Biểu tượng đường dành cho xe đạp
 Crosswalk Vạch qua đường	 Traffic Light Đèn giao thông	 Stop Sign Bảng dừng	 Bus Stop Trạm xe buýt
 Store Cửa hàng	 School Trường học	 Mailbox Thùng thư	 Trash Can Thùng rác

Technical Assistance: Traffic Playgrounds

- Metro developed Traffic Playground toolkit in 2020
- First permanent traffic playground in progress in Hillsboro
- Metro supports with funding for materials/consulting

TRAFFIC PLAYGROUND TOOLKIT



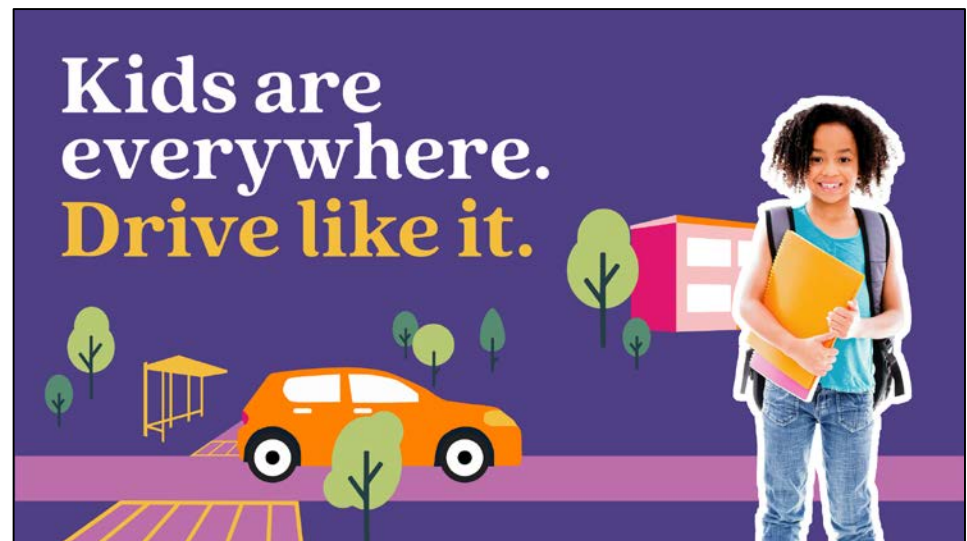
DISCOVER
TRAFFIC
GARDENS

August 2020

This project was made possible with support from the Federal Transit Administration

Technical Assistance: Back to School 2021

- Mini-grants to kickstart SRTS in Fall 2021
- Corner Greeters pilot program
- #DriveLikeIt campaign phase 2



Thank you!

Noel Mickelberry
Safe Routes to School Program Coordinator

noel.mickelberry@oregonmetro.gov

Learn more: oregonmetro.gov/saferoutes



Arts and events
Garbage and recycling
Land and transportation
Oregon Zoo
Parks and nature

oregonmetro.gov

#DriveLikelt Campaign



MTAC/TPAC - May 12, 2021
Shaina Hobbs



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Background

- Safe Routes to School programs operating around the region with limited resources
- Shared goal across the region to improve safety around schools
- Regional Travel Options presented an opportunity to increase efficiency and regional collaboration with a shared campaign toolkit

Phase 1 – Listening sessions

- Alta identified that two of the top safety concerns around schools are:
 - “people speeding while driving” and
 - “people distracted while driving”
- When evaluating existing campaigns, participants “preferred short, easy to understand, and direct messages with reference to kids and without puns or humor”



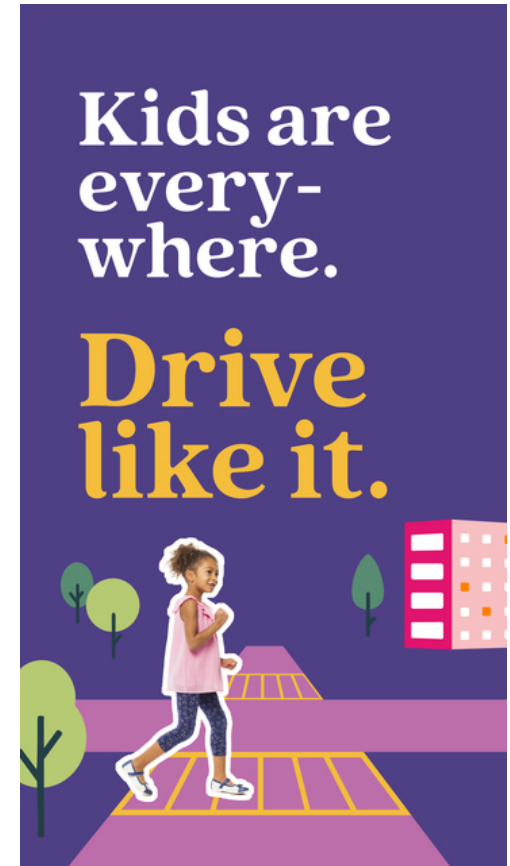
Phase 2 – Campaign Development

Two-part campaign:

- Digital phase for return to hybrid learning (March-June 2021)
- Print + digital phase for return to classrooms (August 2021-)

Digital assets to meet the moment:

- Virtual meeting backgrounds
- Facebook + Instagram graphics
- Email banners



Instagram story

What we heard from practitioners...

- No logos for easy sharing
- Accessibility and language options important
- Variety of messages needed to reach audience

Campaña #ManejeConCuidado: contenido de redes sociales

Subtítulos de redes sociales (Social Media Captions)

Use ejemplos de sus textos favoritos exactamente como están escritos, edítelos para que reflejen su propia voz y audiencia, o comience desde cero escribiendo los suyos.

- *Use your favorite examples of draft text exactly as they're written, edit them to suit your own voice and audience, or start from scratch by writing your own.*

¡Hola, [Nombre de ciudad]! Juntos, mantengamos a los niños y las calles seguros. Los niños están en todas partes. #ManejeConCuidado #DriveLikeIt

- *Hey, [City Name]! Together, let's keep our kids and streets safe. Kids are everywhere. #DriveLikeIt*



Alt text: “Kids are everywhere. Drive like it.”
Children are riding bicycles and using a scooter along a road.

Translations



English



Spanish



Vietnamese



Russian

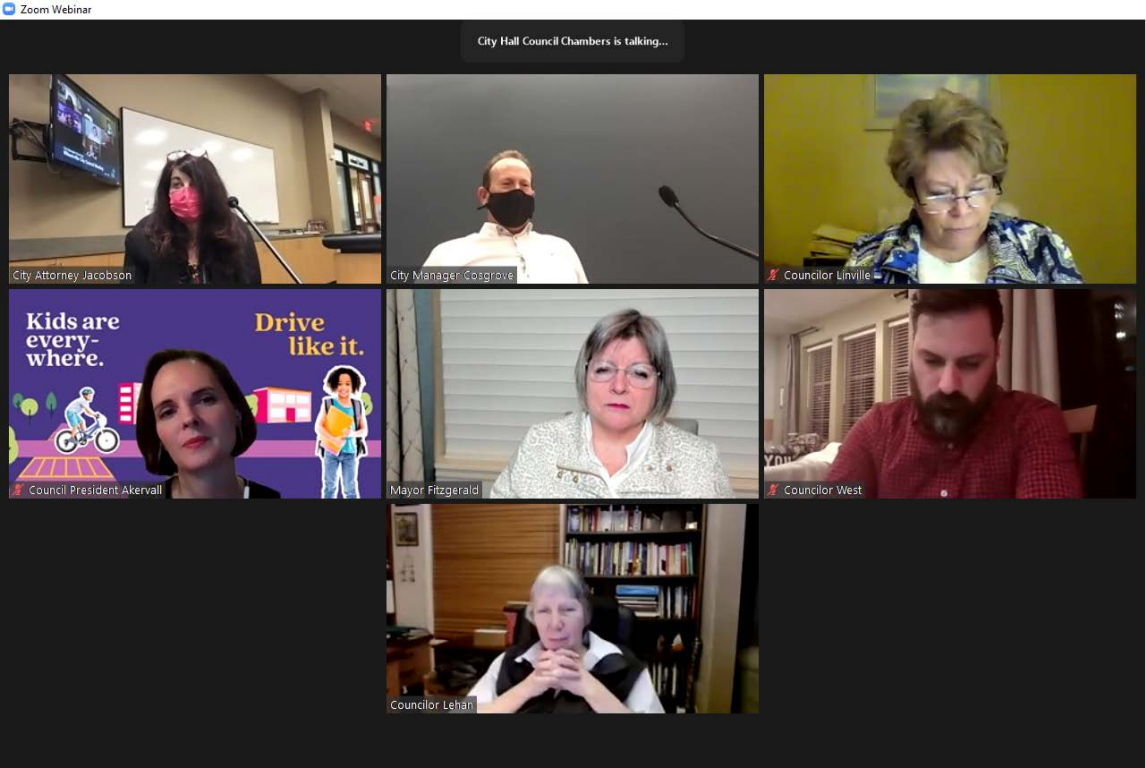


Chinese

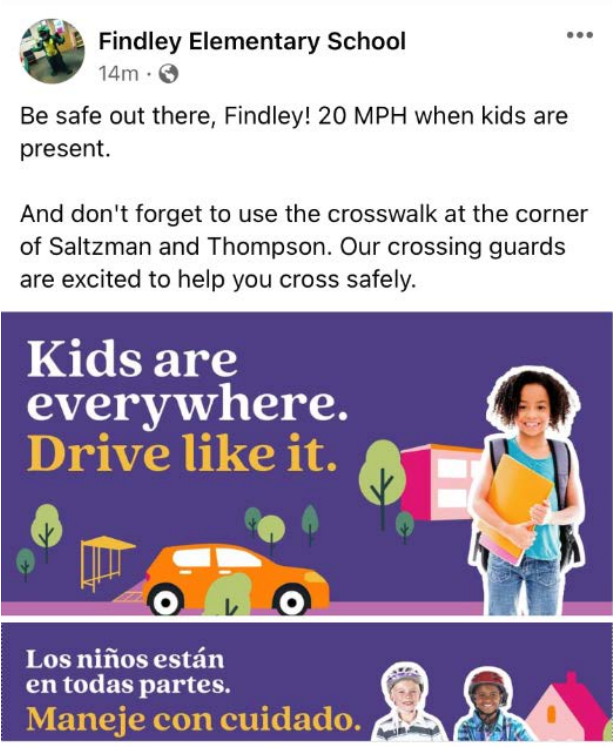


Arabic

Campaign participation



City of Wilsonville Council meeting



Findley Elementary School (Beaverton)

Campaign participation

 **Lake Oswego School District**
April 21 at 1:04 PM · 🌐

Hey, drivers! The likelihood of pedestrian fatalities decrease from 40% to 5% when a car reduces speed from 30 mph to 20mph. Kids are everywhere. #DriveLikelt



Kids are everywhere.
Drive like it.

KOIN



Kids are everywhere. **Drive like it.**

LIVE HAPPENING TODAY
KIDS ARE EVERYWHERE. DRIVE LIKE IT.
PBOT CAMPAIGN

KOIN 47
7:07

NHL **MONTREAL** VS. **OTTAWA** 4:00 PM

Phase 2 – August 2021

- Launch around end of August to raise awareness as kids go back to classrooms
- Phase 2 will include video and a new message:
School Routes are everywhere. Drive Like It.
- Focus on matching translated assets to complementary publications/markets
- More physical assets than in Phase 1 (TBD)

Thank you!

Shaina.L.Hobbs@portlandoregon.gov

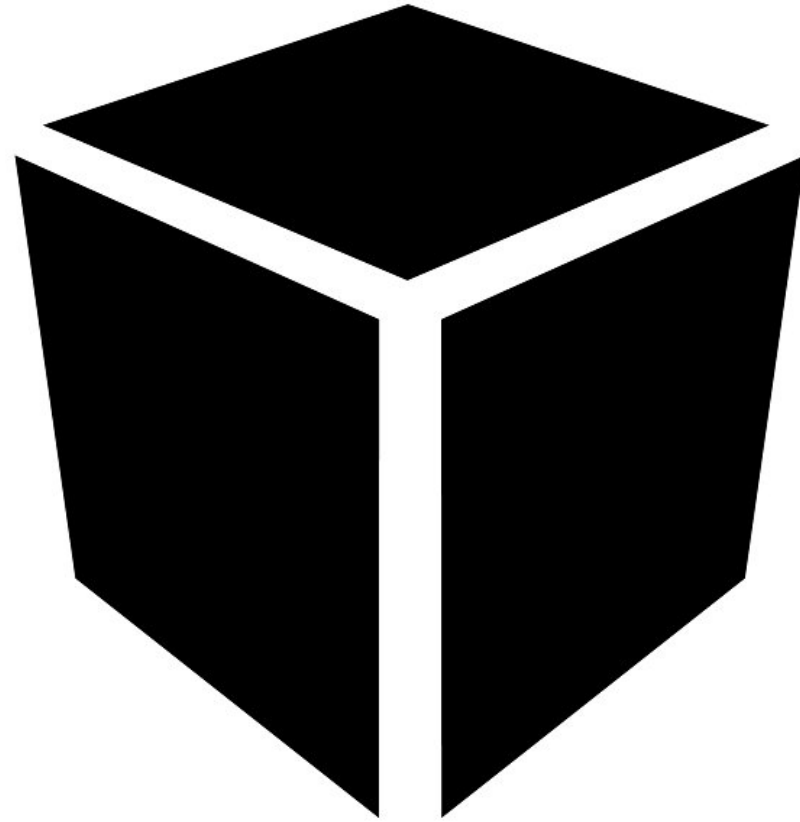
RLIS

Regional Land Information System

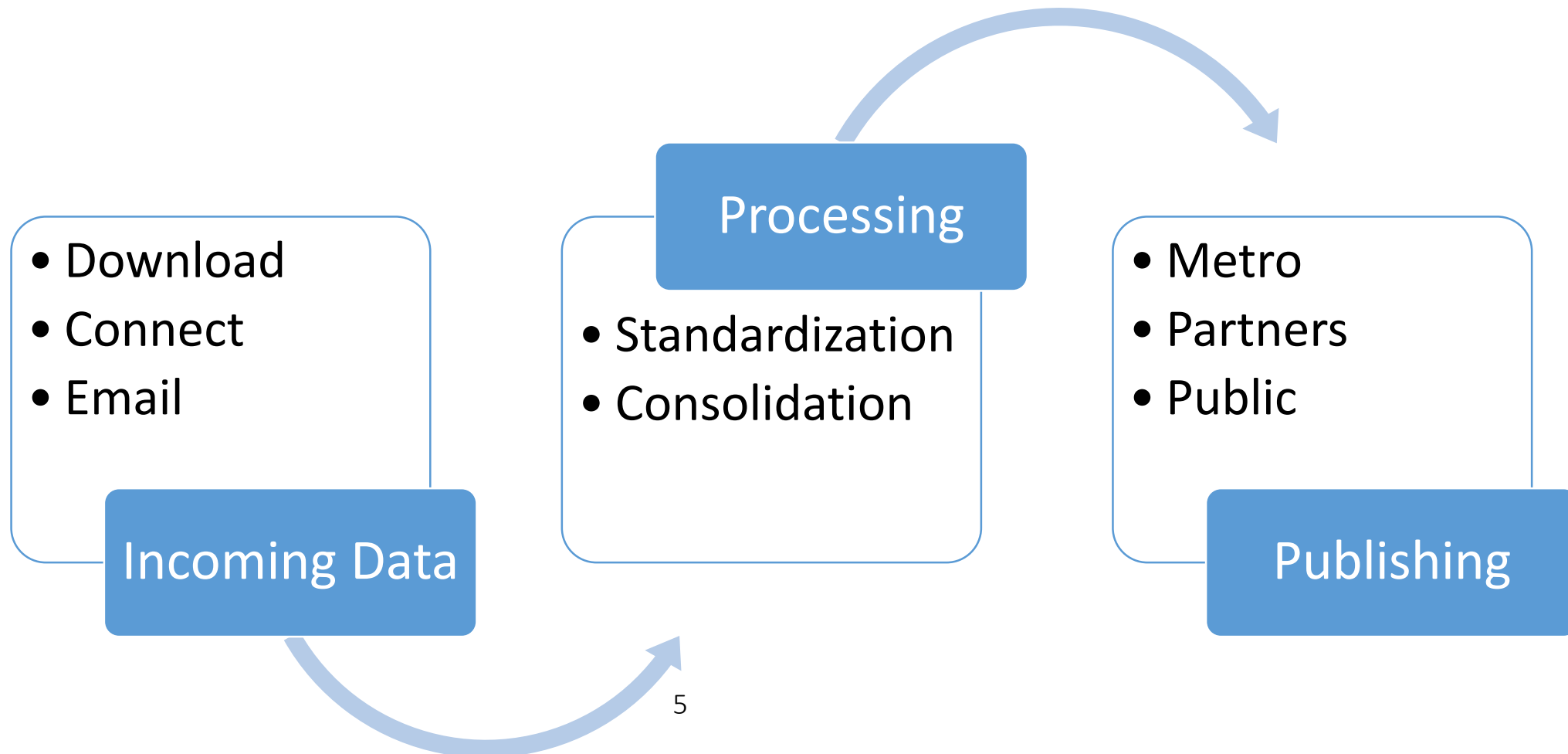
History

- Conceived in 1988
- Officially started in March 1989
- Pilot project finished in January 1990
- And they hired me to do a whole lot of manual digitizing

How does it all work?



Incoming data, processing and Publishing



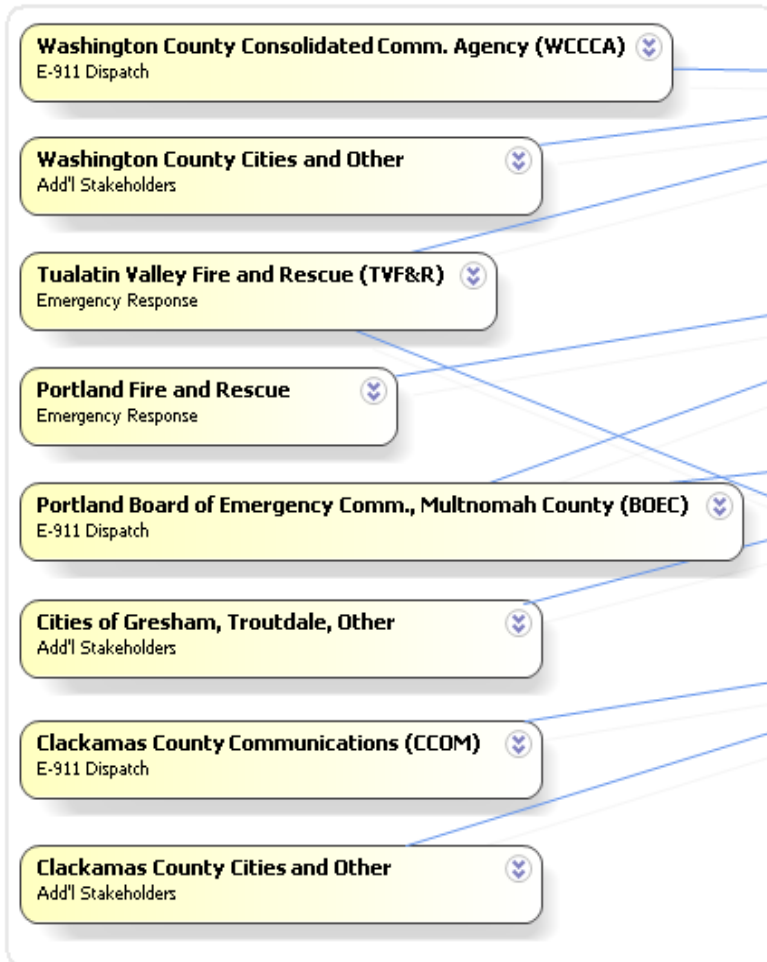
Incoming data

- Daily, weekly, monthly, quarterly and as needed
- Cities, Counties, States, Federal Agencies
- For the quarterly update
 - 27 agencies
 - 31 data layers
 - 65 individuals
 - Plus custom requests

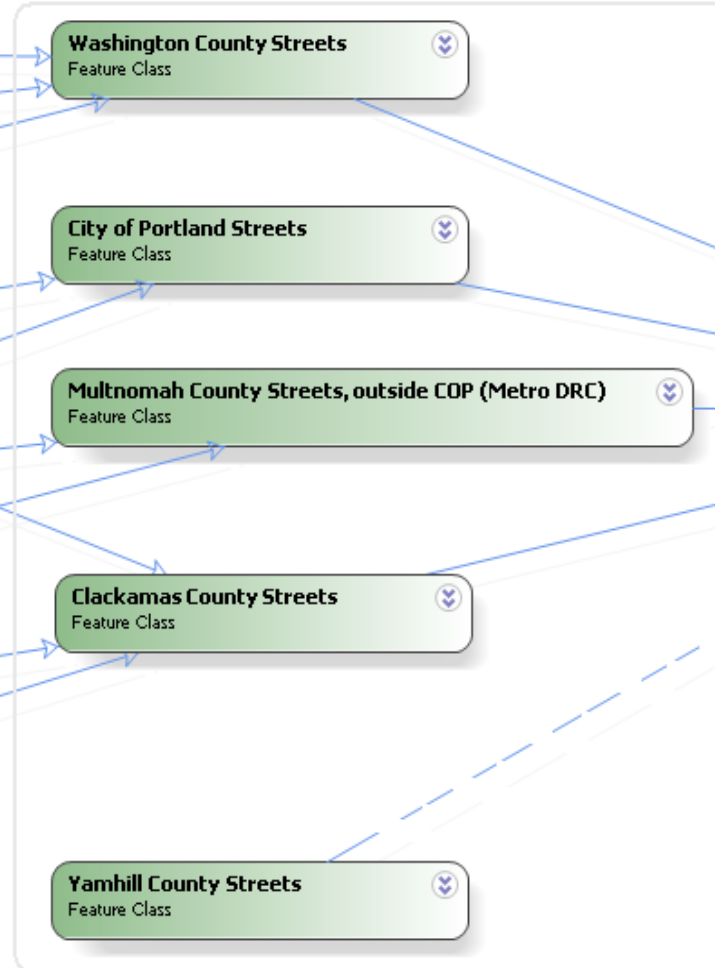


RLIS Street Centerline Workflow

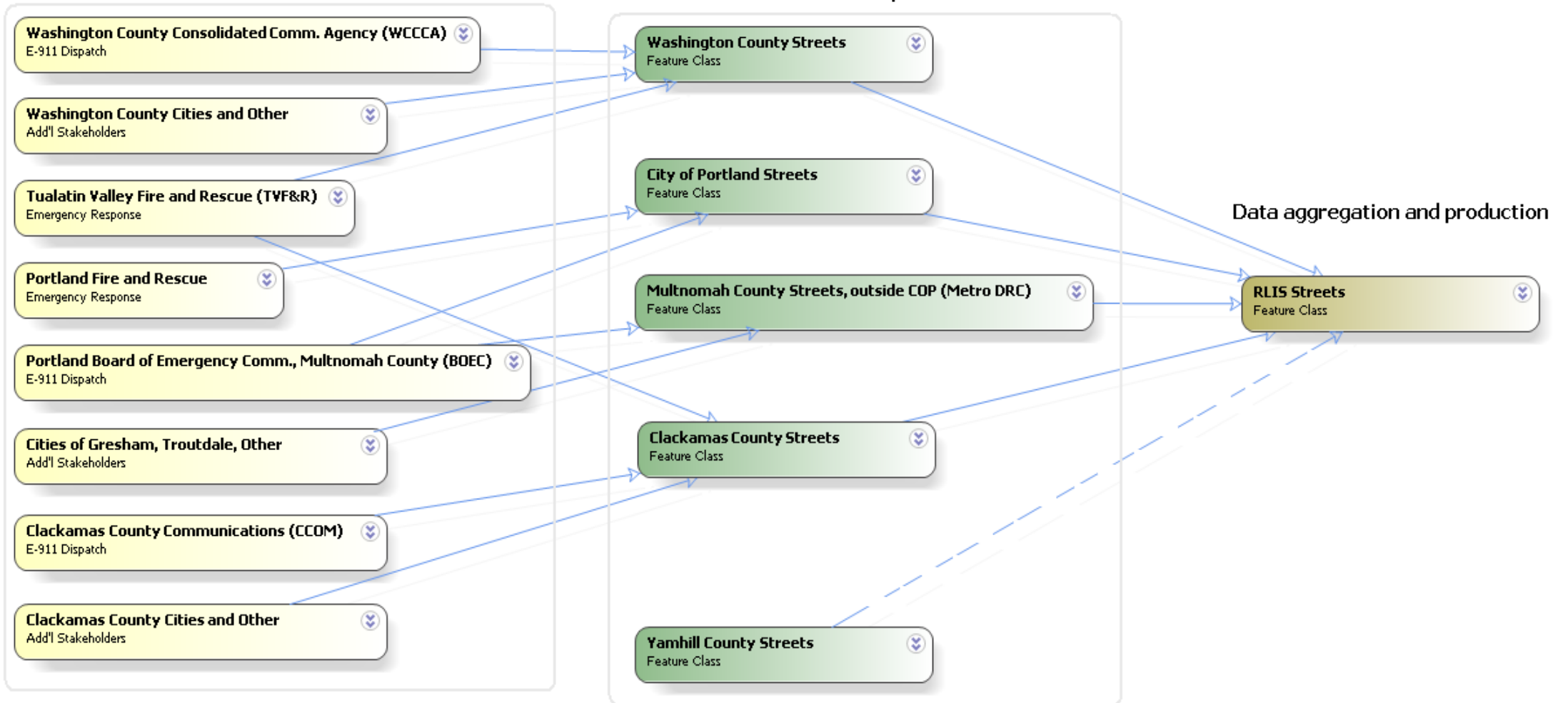
Data stakeholders and feedback/verification



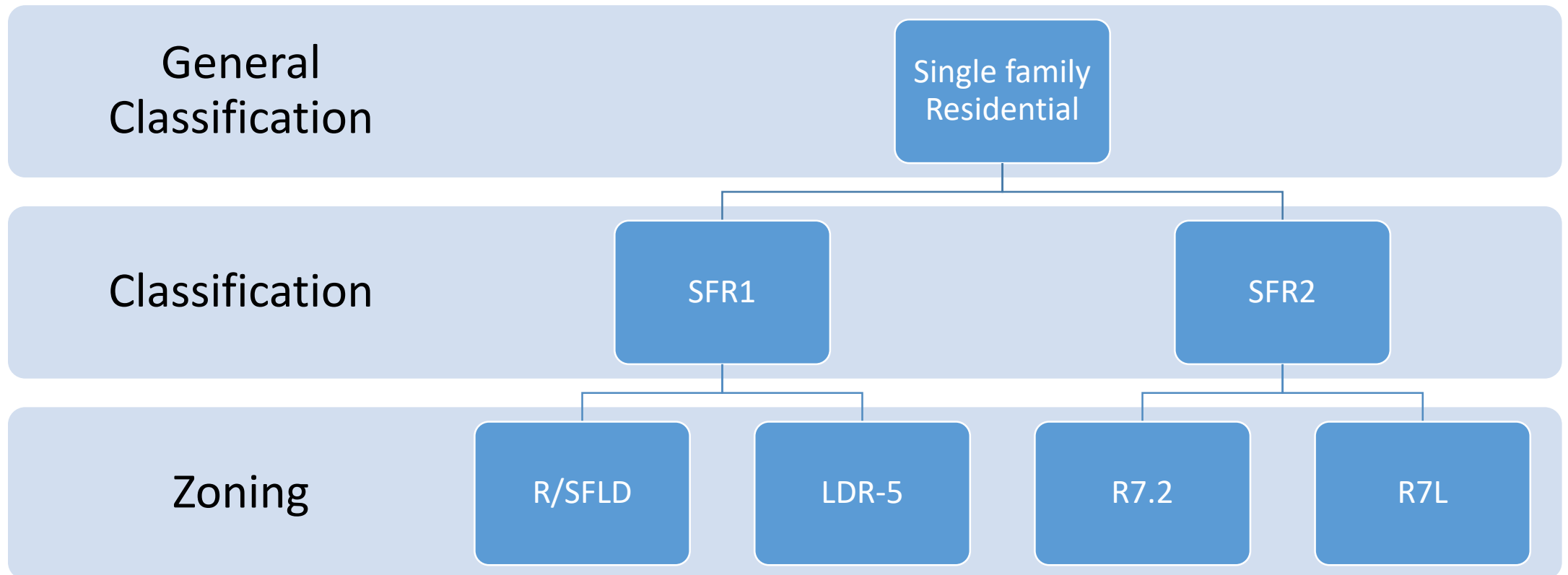
Data stewards and RLIS providers



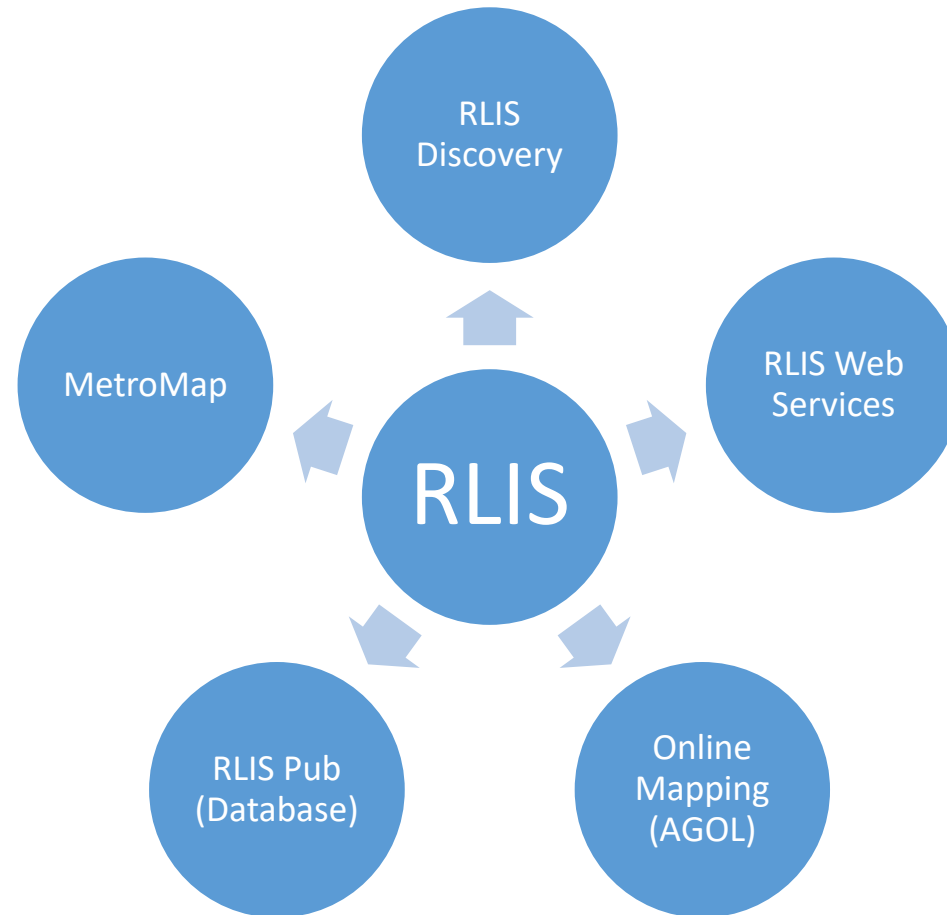
Data aggregation and production



Processing – Regional Consistency

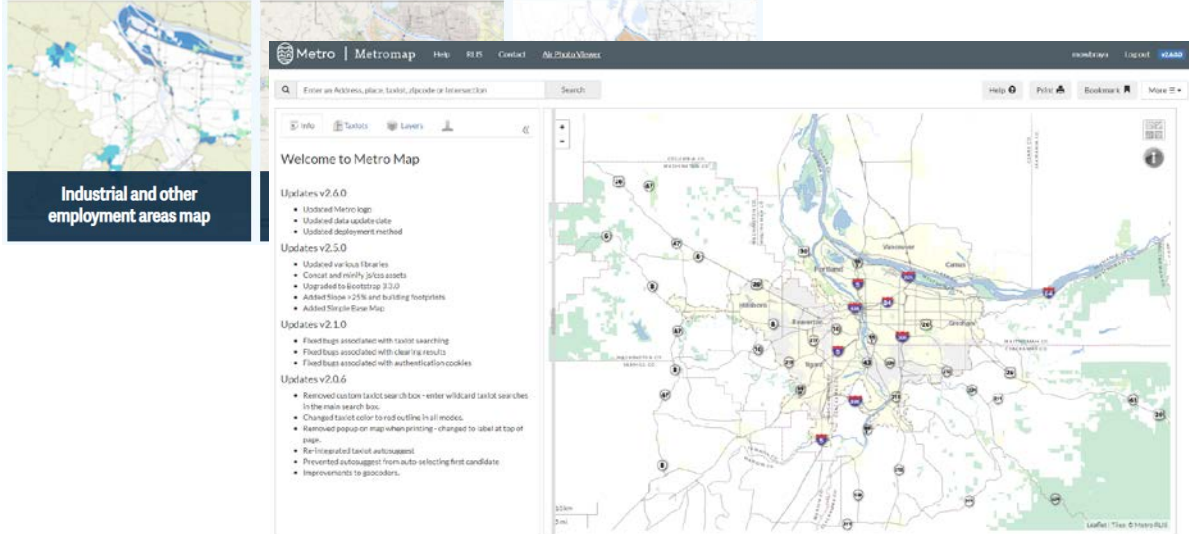
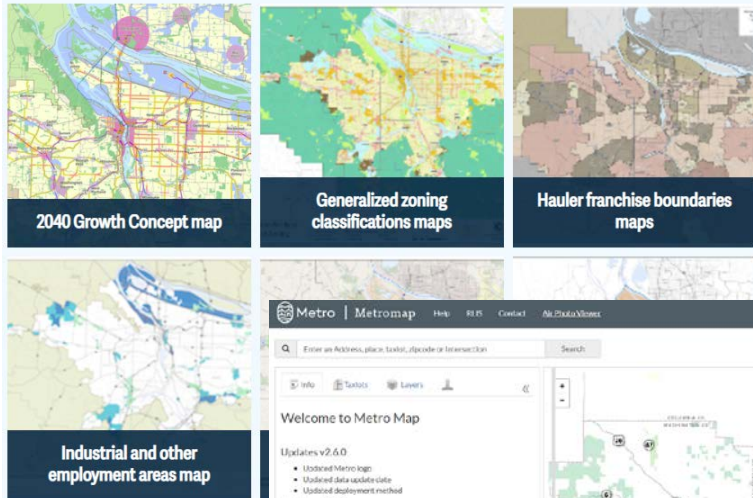


How do you get the data?

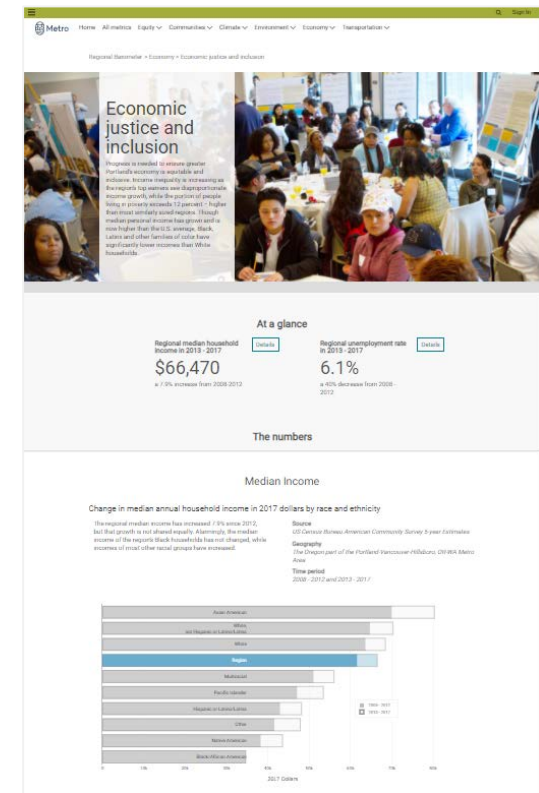
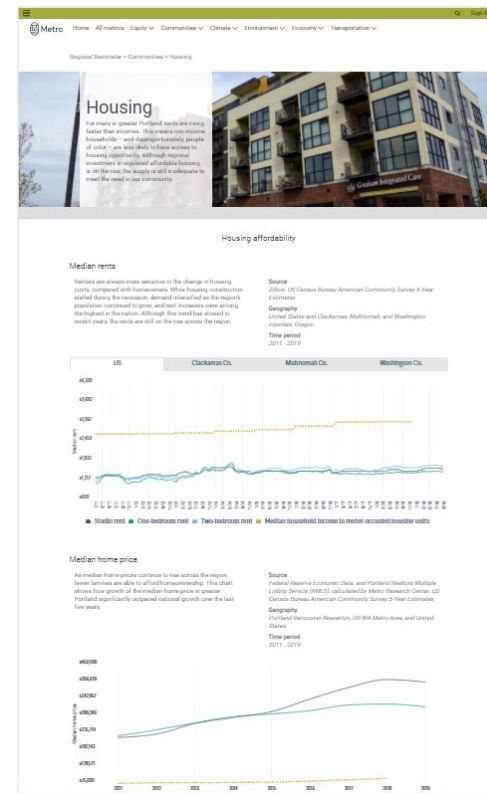


MetroMap and online tools

Download free PDFs or buy printed 34-by-44-inch maps for \$45.



Regional Barometer



RLIS Discovery

Download more than 150 data layers.

No cost and subscription data.

New look and functionality soon!

The screenshot shows the Metro RLIS Discovery website. At the top, the Metro logo and tagline "Making a great place" are visible. Below this is the "RLIS Discovery" title. A navigation menu on the left includes links for "DATA SETS", "GIS WEB SERVICES", "RLIS DISCOVERY HOME", "METADATA VIEW", and "DEVELOPER TOOLS". A "MY DOWNLOAD QUEUE" section indicates that the queue is empty and provides buttons for "Remove Selected" and "Download Selected". A "DOWNLOAD ENTIRE RLIS DATA" section notes that the data was last updated on August 07, 2020, and is 2000000 in size, with a "Subscribe to access" button. The main content area features a large image of a mountain peak and a "RLIS Discovery Home" section with a description: "View, sort and download GIS map layers for the region. Access web services to incorporate RLIS data for use in your own applications." Below this is a table of data sets. A "Show:" dropdown menu is set to "New/updated in last 30 days *". The table has columns for "DATA SET NAME", "CATEGORY", "UPDATED", and "FORMAT". One data set is listed: "City Annexations" (Boundary category, updated August 03, 2020) in "Shapefile" format, with "Download" and "Add to queue" options. On the right side of the page, there are login fields for "Username:" and "Password:" with a "Login" button, a "SEARCH RLIS DISCOVERY" search bar, and sections for "ABOUT RLIS DISCOVERY" and "RLIS USER GUIDE".

Metro | Making a great place

RLIS Discovery

- DATA SETS
- GIS WEB SERVICES
- RLIS DISCOVERY HOME
- METADATA VIEW
- DEVELOPER TOOLS

MY DOWNLOAD QUEUE

Your download queue is empty

Add up to 6 items

[Remove Selected](#)

[Download Selected](#)

DOWNLOAD ENTIRE RLIS DATA

The file was last updated on August 07, 2020 and is 2000000.

[Subscribe to access](#)

RLIS Discovery Home

View, sort and download GIS map layers for the region. Access web services to incorporate RLIS data for use in your own applications.

Show: **New/updated in last 30 days ***

DATA SET NAME	CATEGORY	UPDATED	FORMAT
 City Annexations Individual city annexations in and around the Portland metropolitan area, derived from Boundary Commission and Oregon Secretary of State ... more	Boundary	August 03, 2020	Shapefile Download Add to queue

Username:

Password: [Login](#)

SEARCH RLIS DISCOVERY

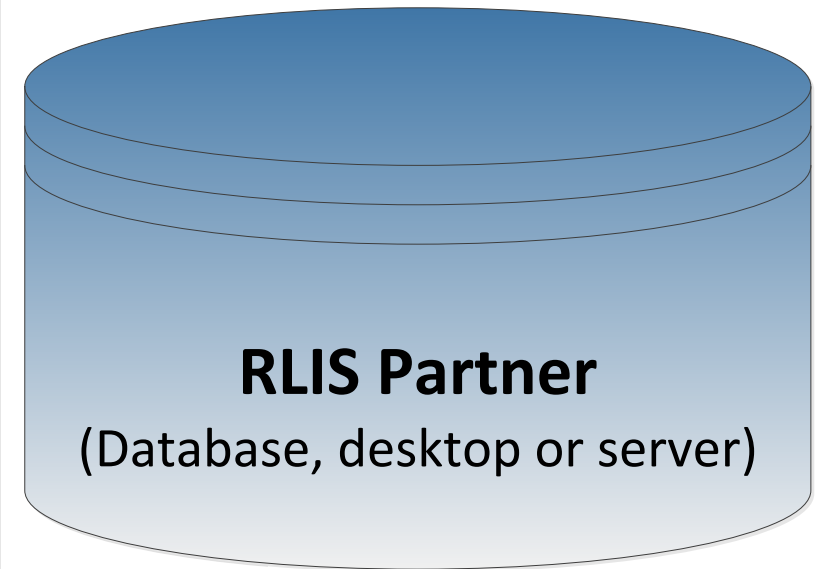
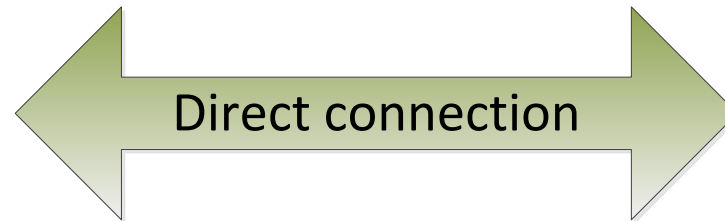
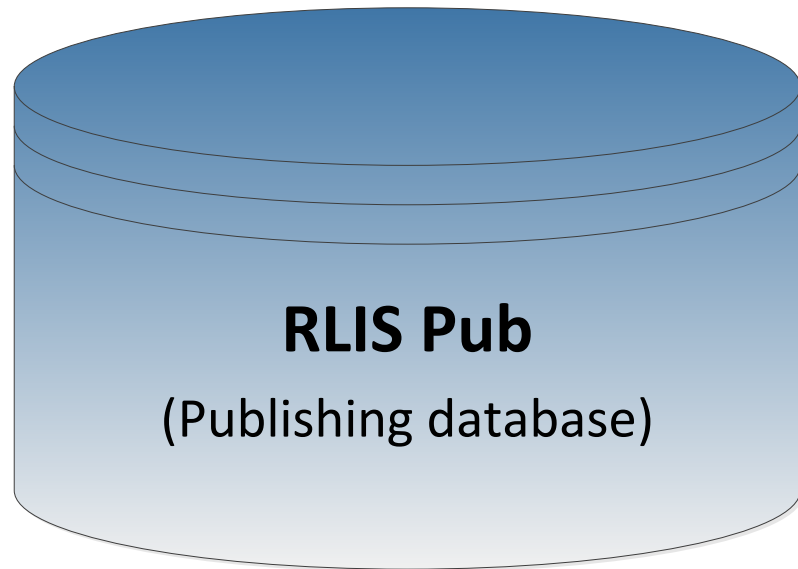
ABOUT RLIS DISCOVERY

An RLIS subscription is required to access some of the data. A subscription includes access to additional data layers as well as web services and tools for using the data. [Go](#)

RLIS USER GUIDE

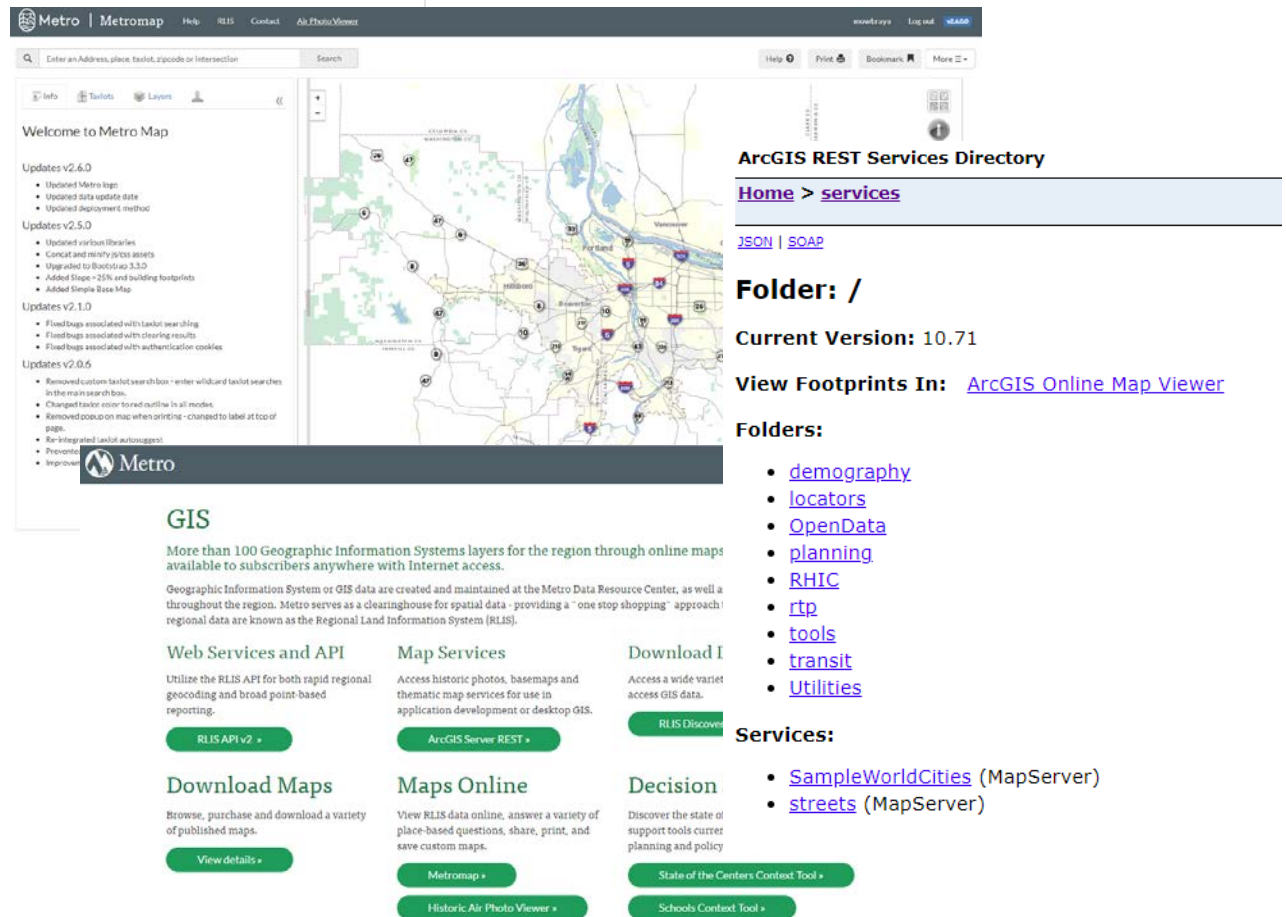
Learn how to access and use the more than 100 GIS map layers available on the RLIS Discovery site. [Go](#)

Database connections



RLIS web services

- RLIS API
- RLIS Locator
- RLIS Basemaps
- Aerial photos
- 70+ data layers



The screenshot displays the Metro | Metromap website interface. The top navigation bar includes 'Metro | Metromap', 'Help', 'RLIS', 'Contact', and 'Air Photo Viewer'. A search bar is present with the placeholder text 'Enter an Address, place, taxlot, zipcode or Intersection'. The main content area is divided into several sections:

- Welcome to Metro Map:** A sidebar on the left containing a list of updates for versions v2.6.0, v2.5.0, v2.1.0, and v2.0.5.
- Map:** A central map showing the region with various data layers overlaid.
- ArcGIS REST Services Directory:** A sidebar on the right with a search bar and a list of services including 'demography', 'locators', 'OpenData', 'planning', 'RHIC', 'rtc', 'tools', 'transit', and 'Utilities'.
- GIS:** A section describing the availability of more than 100 Geographic Information Systems layers.
- Web Services and API:** A section with a 'View details' button for the 'RLIS API v2'.
- Map Services:** A section with a 'View details' button for 'ArcGIS Server REST'.
- Download Maps:** A section with a 'View details' button for published maps.
- Maps Online:** A section with buttons for 'Metromap' and 'Historic Air Photo Viewer'.
- Decision:** A section with buttons for 'State of the Centers Context Tool' and 'Schools Context Tool'.

Online Data and Mapping (AGOL)

- Esri - ArcGIS Online
- Expanded distribution options
- Program and project based data sharing
- ArcGIS Collaboration

The image displays two overlapping screenshots of web-based GIS interfaces. The top screenshot is the 'Metro | Making a great place' RLIS Discovery portal. It features a navigation menu on the left with options like 'DATA SETS', 'GIS WEB SERVICES', 'RLIS DISCOVERY HOME', 'METADATA VIEW', and 'DEVELOPER TOOLS'. A central banner shows a mountain landscape with the text 'RLIS Discovery Home' and a description: 'View, sort and download GIS map layers for the region. Access web services to data for use in your own applications.' Below this is a search filter set to 'New/updated in last 30 days' and a table of data sets. The bottom screenshot is the 'Parks and Nature ArcGIS Online Collaboration' interface. It shows a map of a river and surrounding land. A sidebar on the left contains a search bar and a list of filters. The main content area displays two feature layers: 'Major arterials' and 'Urban Growth Boundary (UGB)', each with a thumbnail map and descriptive text.

DATA SET NAME	CATEGORY	UPDATED	FORMAT
	Boundary	August 03, 2020	Shapefile

Overview
OregonMetro's Research Center collaborated with the Parks and Nature Department to better understand best practices using ArcGIS Online
Metro - Research Center | Parks and Nature | December 15, 2020

RLIS Partners

Thank you

oregonmetro.gov

