



11 October 2007

Today's Session:

"Engineering A Transportation Information Infrastructure"

Amanda J. Wilson, National Transportation Library



Agenda

1. Announcements
2. Presentation
3. Discussion



Announcements



Engineering a Transportation Information Infrastructure: The Landscape of Information Activities

Amanda J. Wilson

Director, National Transportation Library

Transportation Librarians Roundtable

11 October 2007

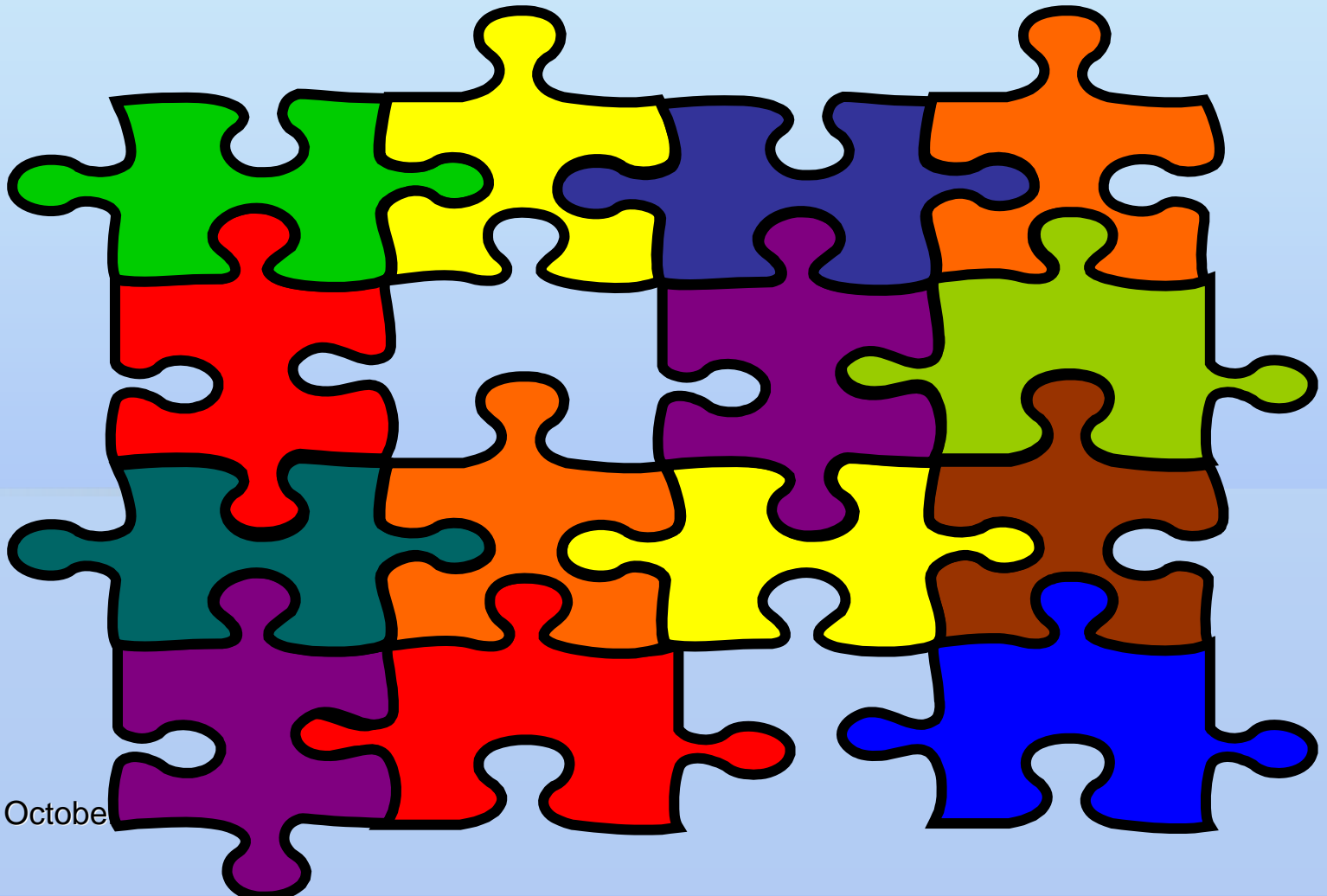


Overview

- Transportation Information Infrastructure
- Information Activities of Interest
- Coordinating Efforts at the NTL



"TII"



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Transportation Information Infrastructure

- Built for current and future generations
- Aim to benefit the universe of *potential* users
- Relies on collaboration and balance between central and local needs



Transportation Information Infrastructure

- Vision
- Needs assessment
- Institutional commitment
- Proficient Information professionals
- Malleable
- Cooperation
- Tools and Standards
- Coordinating body
- Sustainability
- Communication



NTL Perspective

- Primary focus is libraries and information centers
- Broader information community
 - Within transportation
 - In the national and international LIS communities



Information at the Speed of Life

twitter

Already
Twit
with you
or I
Activ

del.icio.us / ajc
your favorites | your net

flickr

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Search for an item in libraries near you:

Enter a title, subject or person

Search

[Advanced Search](#)

You'll find
books, music,
videos, articles
and more you can
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or download



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MontgomeryCounty newsletter one-stopShop
OPAC paper politics portal publicLibrary query-
syntax research restaurant SAA2006 SDL
SemanticWeb Session305 SIG-III system:unfiled
taxonomy web2.0



Harnessing Transportation Information

- TRIS/RiP/RNS
- MTKN/ETKN/WTKN
- TLCat
- TRT
- Scoping Study
- NTL Digital Repository
- RITA RD&T Coordination Database
- UTC Rural Transportation database (Mineta Institute)
- Value of Information report
- SR284/NCHRP20-75
- Data/"Information" peer exchanges
- TransXML
- Institutional web sites
- AASHTO Task Groups



NCHRP 20-75

Implementing Transportation Knowledge Networks Objectives

- Make a persuasive *business case* for action – describe the problem to be solved and what will be gained
- Identify and describe specific *products and services* for information sharing and access that will appeal to a broad range of stakeholders within and outside of the transportation library and research community
- Clearly describe a phased approach to full *implementation* of the recommendations in SR 284
- Identify *funding* mechanisms, organizational and staffing requirements
- Raise the level of *awareness* of and support for TKN's

NCHRP20-75 Vision of a Transportation Information Infrastructure

Standards & Crosswalks

(metadata, thesaurus, taxonomy)

Services & Policies

(Resource archiving, digitization, cataloging, bulk purchasing, interlibrary loan)

Information Resources & Tools

(Responsibility for coordination, contributions and maintenance shared across TKNs/Information Providers)

National Digital Repository (documents, data, photos, video)	National Print Repository (digitize on demand)	Union Catalog (TLCat)	TRIS	OCLC FirstSearch Services	Google Scholar
GIS Data	Tabular Datasets	Standards & Guidelines	Manuals	Directories	RSS Feeds
Tutorials	Legislation	Lessons Learned	Events	Performance Data	Vendor Catalogs



Transportation Information Portal

(provided by national TKN coordination function – components available for incorporation into other web pages)

Submit a Resource	Ask a Question	Find Information	Find a Person	News	Transportation Topics	Event Calendar	Research in Progress	Communities of Practice
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MIDWEST TRANSPORTATION KNOWLEDGE NETWORK



Development

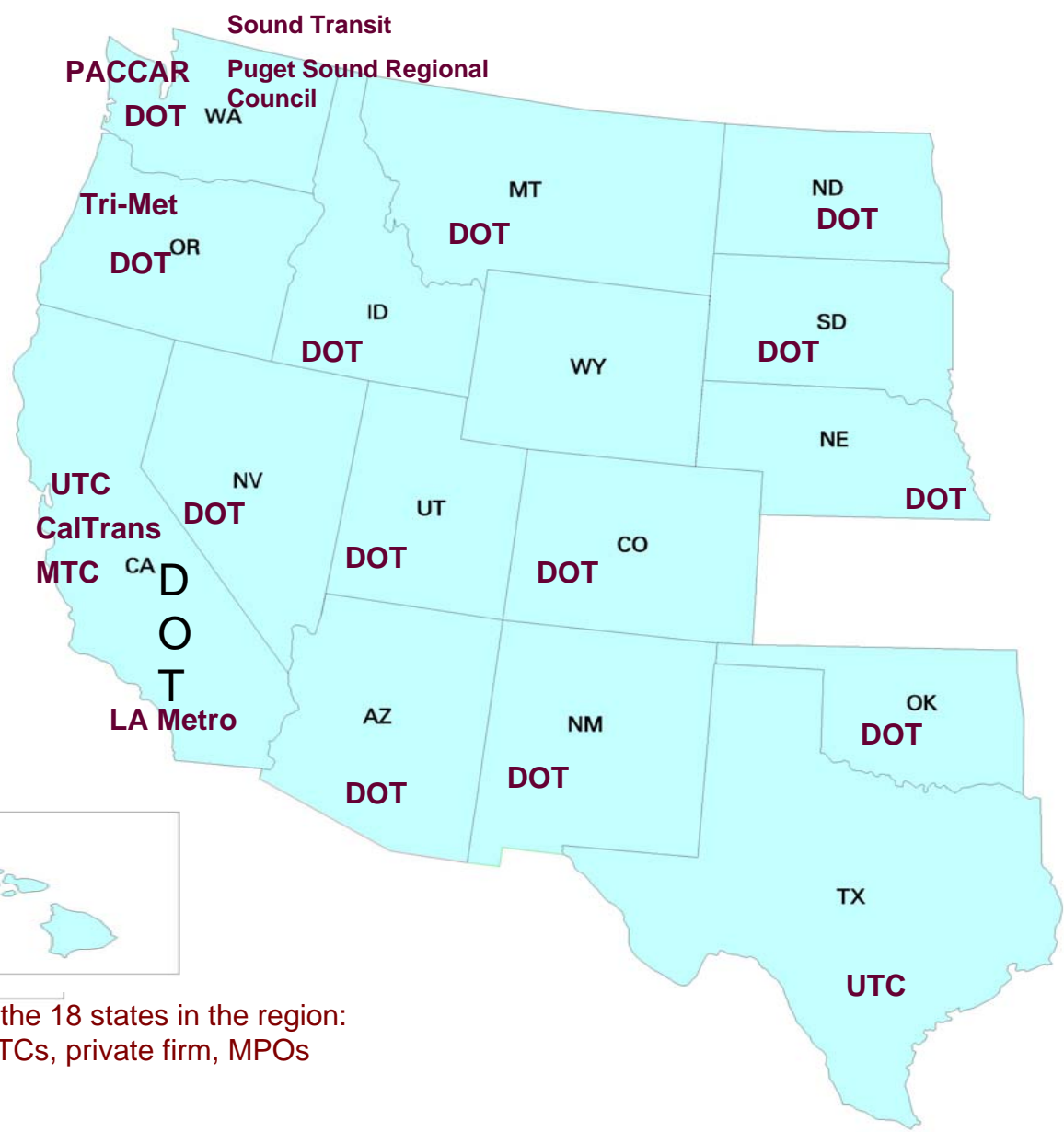
- Founded in 2001 with NTL coordination and funding
- User community defined as RAC region 3
- NTL funding enabled members to successfully catalog materials and help get member collections in OCLC
- Web site: www.mtkn.org
- Developed TLCat with NTL and OCLC - one of the first uses of OCLC's Group Services product.
- Is incorporated and in its 8th year of existence.

Upcoming Activities

- *Fall 2007/early 2008:* Revamping Web site and brochure
- *2007-2008:* T.A.L.E.N.T. Committee will continue to work toward supporting NTL and TKNs for the next reauthorization bill.
- *Fall 2007-2008:* working with NTL in a liaison role in helping develop other TKNs.

WTKN

Western Transportation Knowledge Network



23 member organizations from 16 of the 18 states in the region:

State DOTs, Transit, UTCs, private firm, MPOs

Initial teleconference early in 2007

Bylaws adopted August 2007

Executive Committee election results October 2007

Strategic plan for 2008 being developed

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Questions? Szolomk@wsdot.wa.gov

Kathy Szolomayer, Washington State Dept. of Transportation



Eastern Transportation Knowledge Network

Development

- NTL Coordinated
- User community defined as RAC 1 and 2 regions
- Fluid membership – open to any interested institution



Upcoming Activities

- *9 November 2007:* organizing meeting
- *Early October 2007:* invitation to attend and/or to join will be sent
- *September 2007:* crafting a prospective member list; planning for November meeting



AASHTO and CUTC Task Groups

- AASHTO
 - Transportation Knowledge Networks
 - Research Coordination and Collaboration
 - Program Quality
- CUTC
 - Library Task Force



New Frontier for RITA

- RITA Administrator,

Paul J. Brubaker

- Research Planning and Investment Control
- Expanding the Volpe Center
- Facilitating collaborative environment among UTCs

- BTS

- "High-performing results-oriented" organization
- Focus on developing BTS products
- Emphasis on web presence and tools



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Coordination Activities from NTL

- Center for Information Activities
 - NTL's [Networking Information](#) page
- Collaborative Workspace for TKNs
 - Collaboratively develop records, discuss topics/issues, and archive in protected, public space
 - GSA's [COLAB workspace](#)

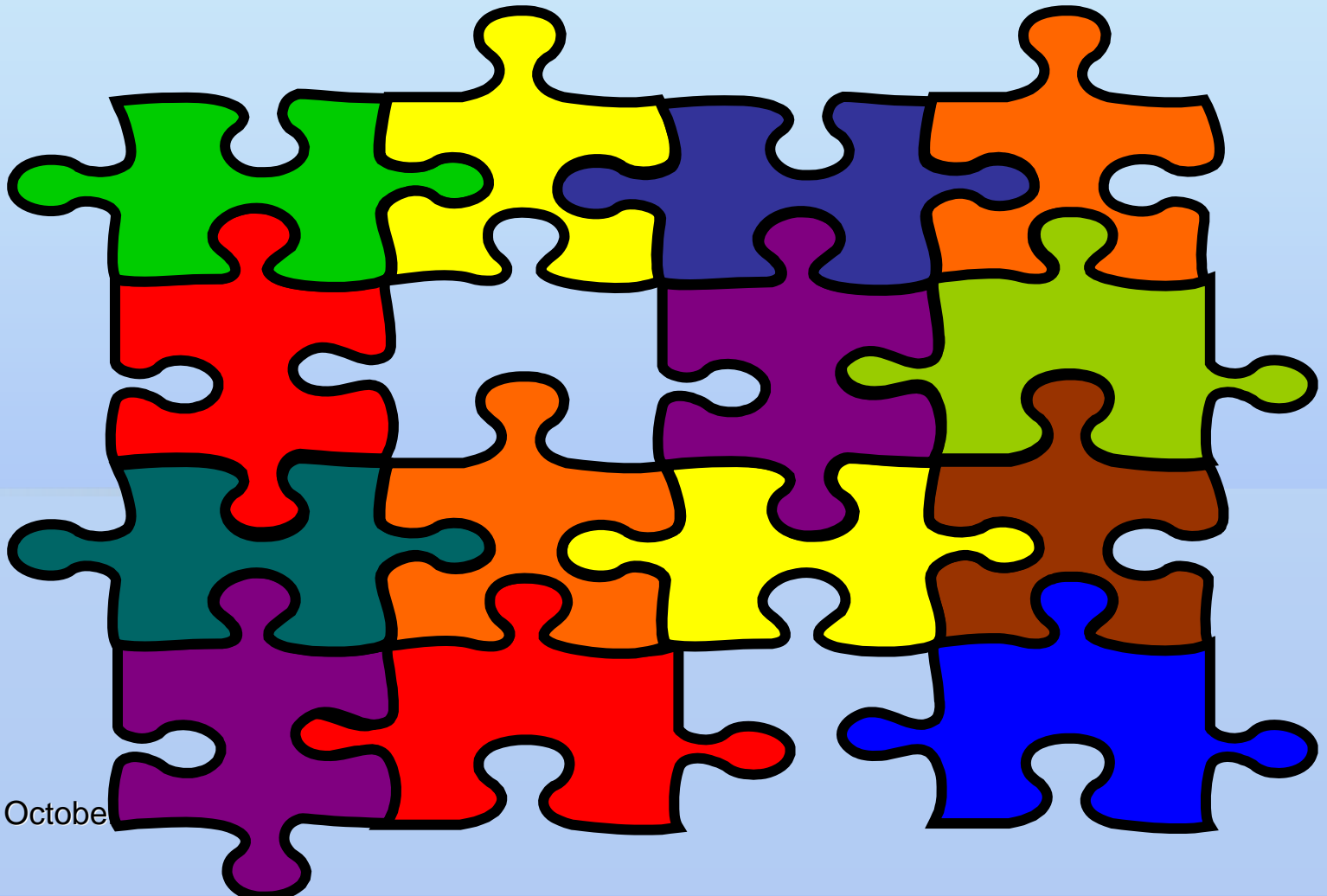


Benefits to Approaches

- Exemplar of cross boundary collaboration
- Professional development -- LIS community becoming proficient in new technologies and information exchange
- Another piece of the TII pie



Continue Building TII Into the Future



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Questions/Comments Discussion



Thank you!

Next Session: 8 November 2007

"WisDOT iCommons: Redesigning on a Dime"

John Cherney, Wisconsin Department of Transportation



We want your feedback!

Please email Bob Cullen, BobC@aaashto.org, for the TLR Feedback and Evaluation form.