



# Breakout Session 7-IV:

## Open Data

Gene McHale (FHWA)

Walter During (FHWA)

# Breakout Session Overview

---

- **SESSION OBJECTIVE**

- To explore ideas on how Open Data can be used to help the development and support of the CV pilot program.

- **SESSION PLAN**

- RDE Open Data Commons License and Open Data Overview (3-5 minutes)
- Game 1: Prioritize Data Characteristics (15 minutes)
- Game 2: Prioritize Best Location for PII to be Cleansed (15 minutes)
- General Questions and Discussions (15 minutes)
- Game 3: Promotional Ideas for Open Data (10 minutes)

## **WEBINAR PROTOCOL:**

- Please use chat box when voting or if you have a comment or a question
- Please MUTE your phones



# RDE Open Data Commons License Quiz

---

- **When working with Open Data Commons License you are able to Share (copy, distribute) Create (produce works from the data) and Adapt (modify, transform and build on) the data. (True or False)**
  
- **When using Open Data Commons License for public use you must attribute where the data originated. (True or False)**



# RDE Open Data Commons License Quiz

---

- **When working with Open Data Commons License you are able to Share (copy, distribute) Create (produce works from the data) and Adapt (modify, transform and build on) the data. (True or False)**
  - **True**
- **When using Open Data Commons License for public use you must attribute where the data originated. (True or False)**



# RDE Open Data Commons License Quiz

---

- **When working with Open Data Commons License you are able to Share (copy, distribute) Create (produce works from the data) and Adapt (modify, transform and build on) the data. (True or False)**

•True

- **When using Open Data Commons License for public use you must attribute where the data originated. (True or False)**

•True



# Open Data Overview

---

- **Definition:** *Open data is data that can be freely used, reused and redistributed by anyone - subject only, at most, to the requirement to attribute and sharealike.*  
(<http://opendatahandbook.org/>)
  
- **Characteristics of Open Data**
  - Reusable by third parties with few or no restrictions
  - Available at little or no cost
  - Discoverable (easy to find)
  - Usable (documented, in standard formats)
  
- **Open Data Concerns**
  - Protecting privacy
  - Protecting data of individual entitles (e.g. Commercial carriers)
  
- **Commons License Open Data License**
  - Free to: Share, Create, and Adapt data
  - Long as you: Attribute, Share-Alike, Keep open



# Prioritization Game Rules

---

- Each game requires participants to vote using the following **voting rules**:
  - **Hand in your card**: Highest Priority (5 POINTS)
    - Can use only **ONCE in each game**
  - **Raise you hand**: Medium Priority (1 POINT)
    - May be done multiple times in each game, but **not with card**
  - **Do nothing**: Low Priority (0 POINTS)
- Webinar participants will **use the chat box to specify “points”** for each option. (NOTE: 5 points may be used only once per game)
- Facilitators will tally the votes and reorder the items in descending order of priority for further discussion.



# Prioritize Data Characteristics in order of importance

---



- ❑ **Quantity:** large number of data sets from multiple locations
- ❑ **Quality:** data provided by the RDE is complete and error free
- ❑ **Diversity:** data contains different kinds of CV information
- ❑ **Latency:** how fast is the data available (real-time, archived, etc.)
- ❑ **Standardization:** data is in a single standard format





# Data Characteristics Priority Results and Discussion

---

1. Item 1

2. Item 2

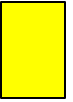
3. Item 3

4. Item 4

5. Item 5



# Prioritize The Best Location for PII to be Cleansed From CV Datasets?



- Immediately when the data is collected from the original source (vehicle, mobile device, infrastructure sensors, etc.. )
- Once the data is received by a communication medium (RSE, Cellular Network, etc..)
- Once the data has been pulled together into a single location (Database, Website, etc..)
- Once the user requests the data



# PII Scrubbing Location Priority Results and Discussion

---

1. Item 1

2. Item 2

3. Item 3

4. Item 4



# Questions and Discussions

---

- To help promote the use of Open Data across organizations for the CV pilots, what methods can be used to protect data privacy (PII), Intellectual Property (IP) rights, and address data ownership issues?
- On the topic of daily uploads vs. real-time, the RFI responses were decidedly mixed. The private sector tended to recommend real-time data, but the other sectors tended to recommend against the provision of real-time to the RDE. What are the advantages and disadvantages to providing real-time data on the RDE.



# Prioritize Promotional Ideas in order of most effective for promoting CV Open Data

---



- Have an RSS feed or a mail newsletter that can be sent to potential users
- Use social media outlets to promote the information
- Have a series of workshops around the country that showcase different methods for using the data
- Create public/private/academia partnership programs to promote new ways to use the data
- Demonstrations at conferences and trade shows



# Promotional Ideas Priority Results and Discussion

---

1. Item 1

2. Item 2

3. Item 3

4. Item 4

5. Item 5

