U.S. Department of Transportation
Federal Highway Administration
Florida Division

LCTR

Broward **MPO**
Metropolitan Planning Organization

FDOT

SAPFIM

Safe and Accessible Pedestrian Facilities Inventory Model

BACKGROUND

- Vulnerable road users are an emphasis area for local and state transportation agencies, particularly with regard to safety and accessibility.

- Traditionally both State DOTs and Local Public Agencies (LPAs) struggle with developing system-wide plans for transitioning noncompliant pedestrian rights of way as required by the Americans with Disabilities Act of 1990 (ADA) and related authorities.

- Funding is increasingly uncertain. Agencies need cost effective, tech savvy tools that support safety and equity goals, but also make best use of available transportation funds.

- FDOT, in cooperation with FHWA, Broward MPO and the Lehman Center for Transportation Research at Florida International University (FIU) is committed to developing and sharing resources to meet these needs.

# SAPFIM was developed with 3 objectives in mind:

- To provide SDOTs, LPAs, MPOs and other transportation agencies an effective, low cost/no cost means of collecting, storing, querying, and reporting the condition of pedestrian facilities.
- To ensure a means of identifying and assessing safety and accessibility of features associated with **sidewalks, curb ramps, and street crossings**, at a minimum.
- To provide an easy and convenient method of collecting data for direct upload into a web server.

How SAPFIM was developed

- Stakeholder input

- Meetings to gather technical and legal requirements

- Creation of database and user interface

- Stakeholder testing

- Training and support development
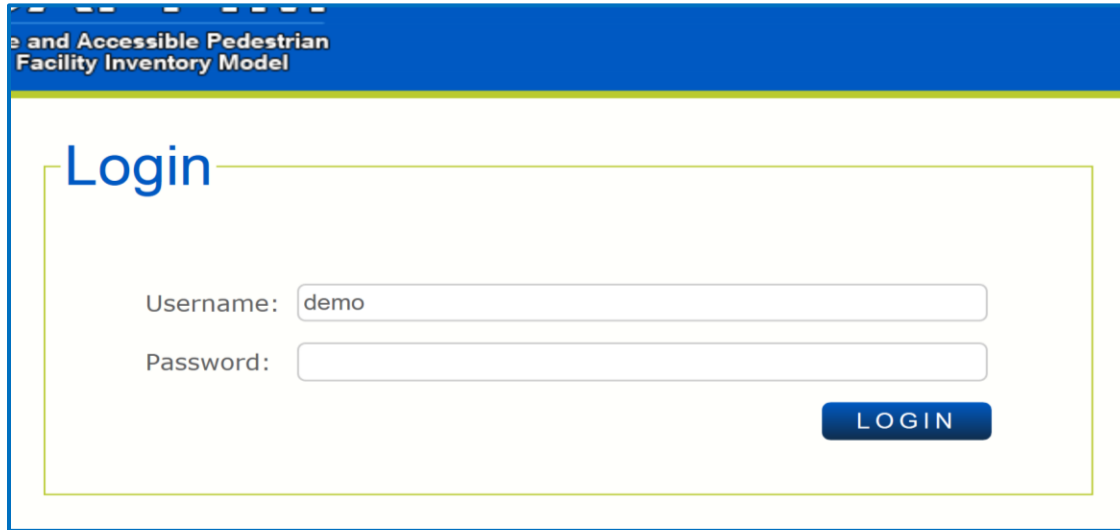
- Final testing

- Release and marketing

HOW SAPFIM WORKS

Users

Database   Web server   Internet

laptop

smartphone

tablet

desktop
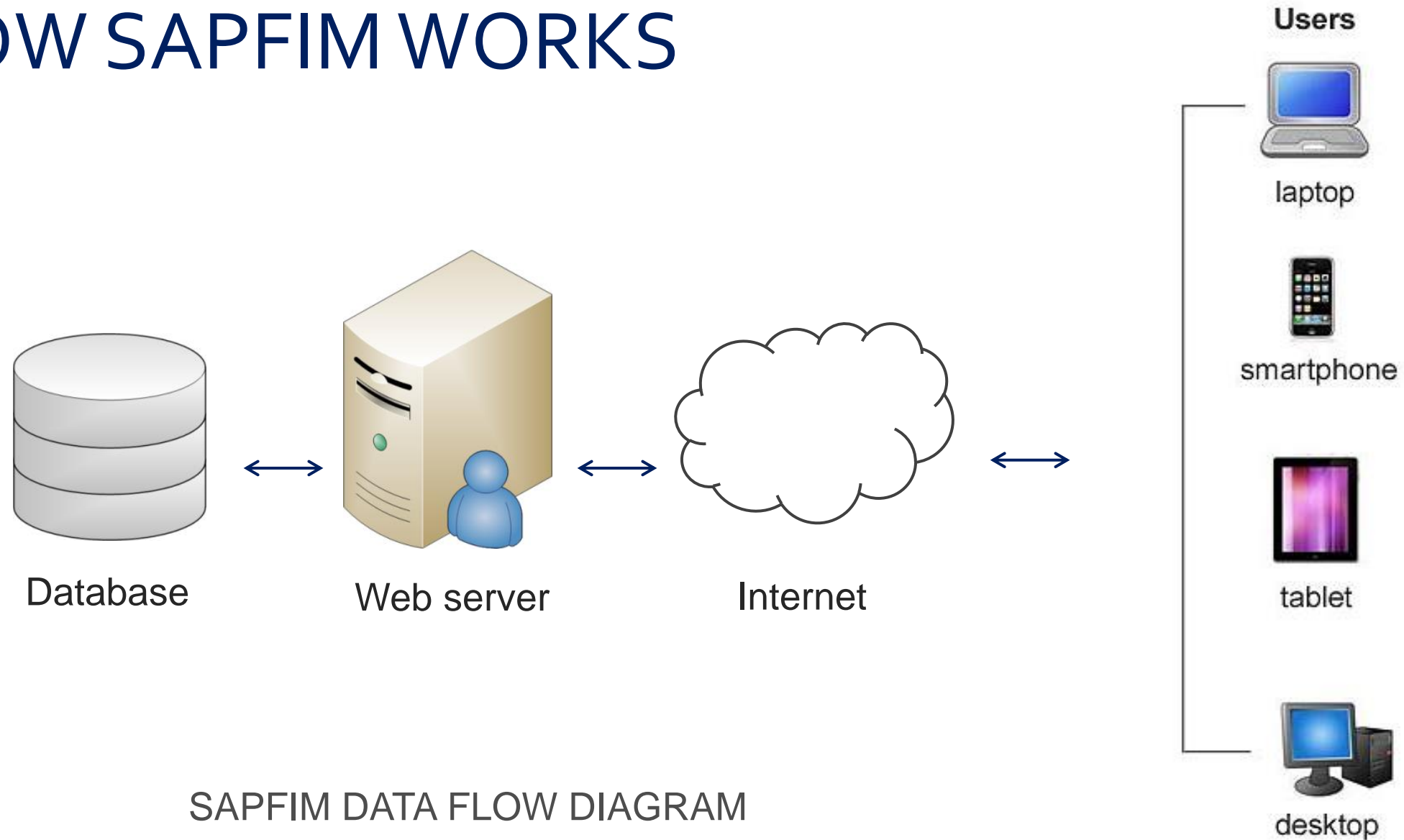
SAPFIM DATA FLOW DIAGRAM

Logging In to SAPFIM:

The opening page is intuitive, simple to navigate

Login – FIU will maintain a test system at least until 12/2018:

http://sapfim.fiu.edu/

Username: demo

Pssword: SAPFIM

Quick Guide   User's Guide

Plus tools to assist in case of questions/issues

The First Feature is DATA COLLECTION

Collect data and enter it into the prescribed fields on a tablet, pad or smart phone

NOTE: Fields are easy to populate with drop-downs and yes/no questions to help collect info. Maps are automatic and interactive. Pics may be taken and included
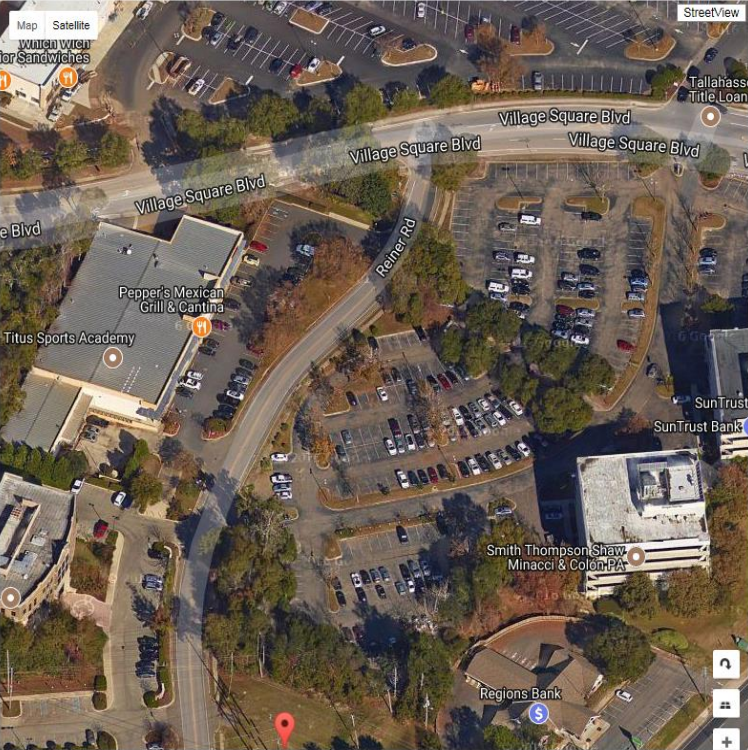
Further, Data Collectors need not be experts!

- Compliance determinations and prioritizing repairs occur in the Reports function, not Data Collection

- This makes SAPFIM ideal for school internships, community groups, Bike-Ped committees or faith based organizations – NOT just public works or maintenance staff

- Not every possible feature is included (though SAPFIM can be modified in future).

- Currently there are 42 data points for sidewalks, 23 for ramps and 23 for crossings
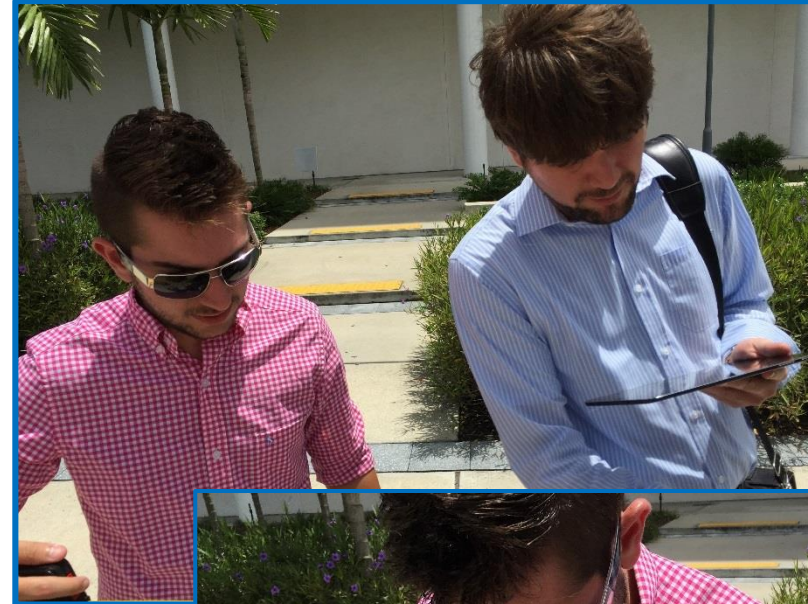
The Second Feature is Reports

Reports can be 'Full', providing complete data for all fields; or 'Compliance' which quickly assesses whether fields are compliant with the ADA Standards and even PROWAG complete Collect data and enter it into the prescribed fields on a tablet, pad or smart phone

By clicking on any icon (S, R or C) you can determine whether it is in compliance

The Third Feature is MAPS

Maps allows agencies to print or save a map along with the collected data.   As with the Reports feature, clicking on a sidewalk, ramp or crossing icon will display a corresponding map

The Final Feature is DATA MANAGEMENT

A critical feature, Data Management gives the agency the ability to search, export to a maintenance or work program, and provide information for public view/comment.   The public inspection element is one often overlooked by agencies during transition planning.
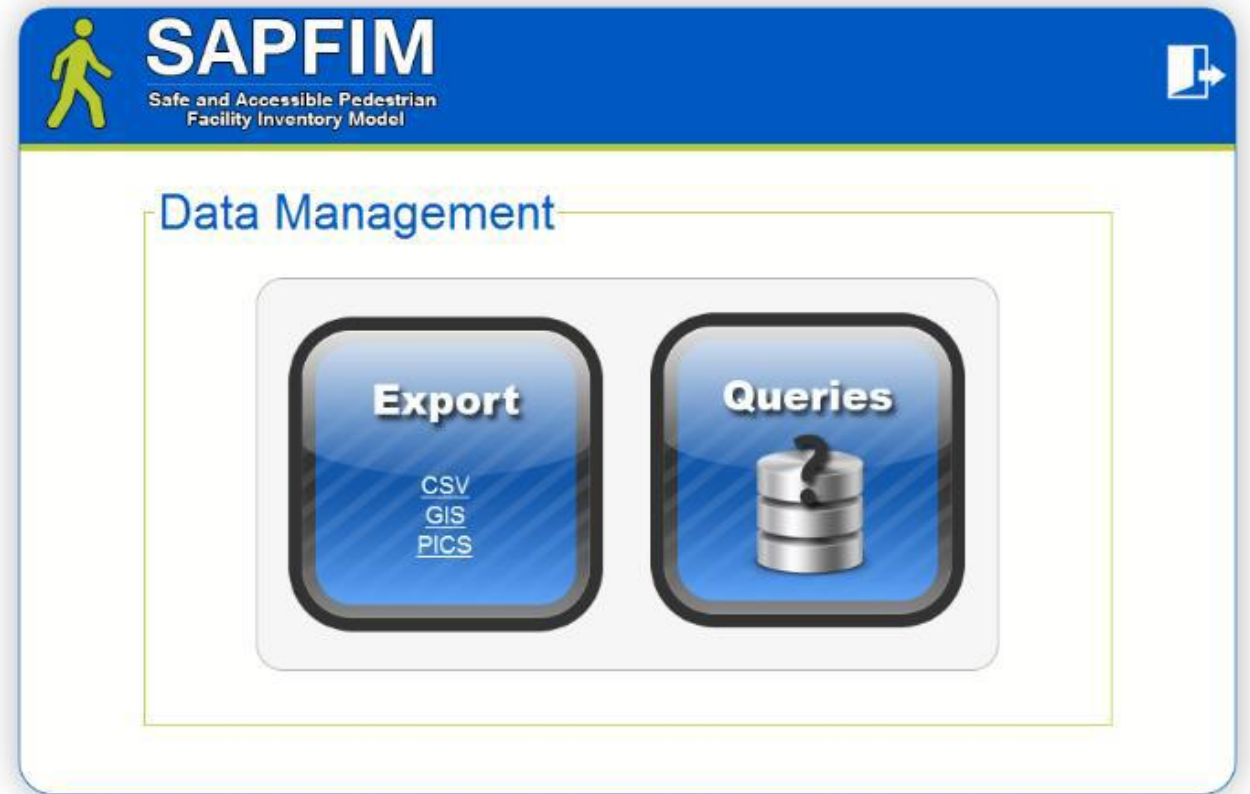
We are not 'selling' SAPFIM

SAPFIM was developed through an FHWA STIC grant along with matches from FDOT and Broward MPO. It is FREE to any agency that would like to use it.

MARKED DOWN

$0.00

www.printz.org

HOWEVER,

I have read the terms and conditions.

Behold, one of the biggest lies ever told.

Hosting data comes with a cost.

- Agencies with web servers may choose to host data internally, subject to a Microsoft licensing agreement.

- Agencies are welcome to contract with FIU for a nominal annual fee.

- Agencies are also welcome to contract with their own UTCs or private consultants.

If your agency does not have a Transition Plan (or any immediate prospects of one)

We urge you:

- Use the test system

- If you like what you see, contact Dr. Fabian Cevallos at FIU to discuss using SAPFIM

- FIU will assist you with downloading the necessary material (for those wanting to self-host data) or assist you with other options

- Contact any of the SAPFIM Champions with questions

CONTACTS

Fabian Cevallos, Ph.D.
Transit Program Director
Florida International University
305-348-3144
fabian.cevallos@fiu.edu

Lorraine Moyle
State LAP Administrator
FDOT
850-414-4383
lorraine.moyle@dot.state.fl.us

Carey Shepherd
CRO
FHWA – FL DIV
850-553-2206
carey.shepherd@dot.gov

Peter Gies, AICP
Regional Transportation Planner
Broward MPO
954-876-0048
giesp@browardmpo.org

THANK YOU

And many thanks to *FIU, Broward MPO, FDOT, FHWA (HCR, NY DIV, AZ DIV, NM DIV, FL DIV, Resource Center) and the many fine folks at local agencies across the coun*try that assisted with the concept, development, testing and delivery of SAPFIM