

The Making of Opensource ATSPM Version 5.0

Agency-Consultant Collaboration for the Benefit of the Community



Outline



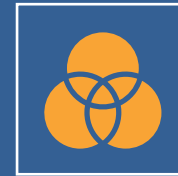
A Little History



Getting
Started



Collaboration



Differences



Benefits

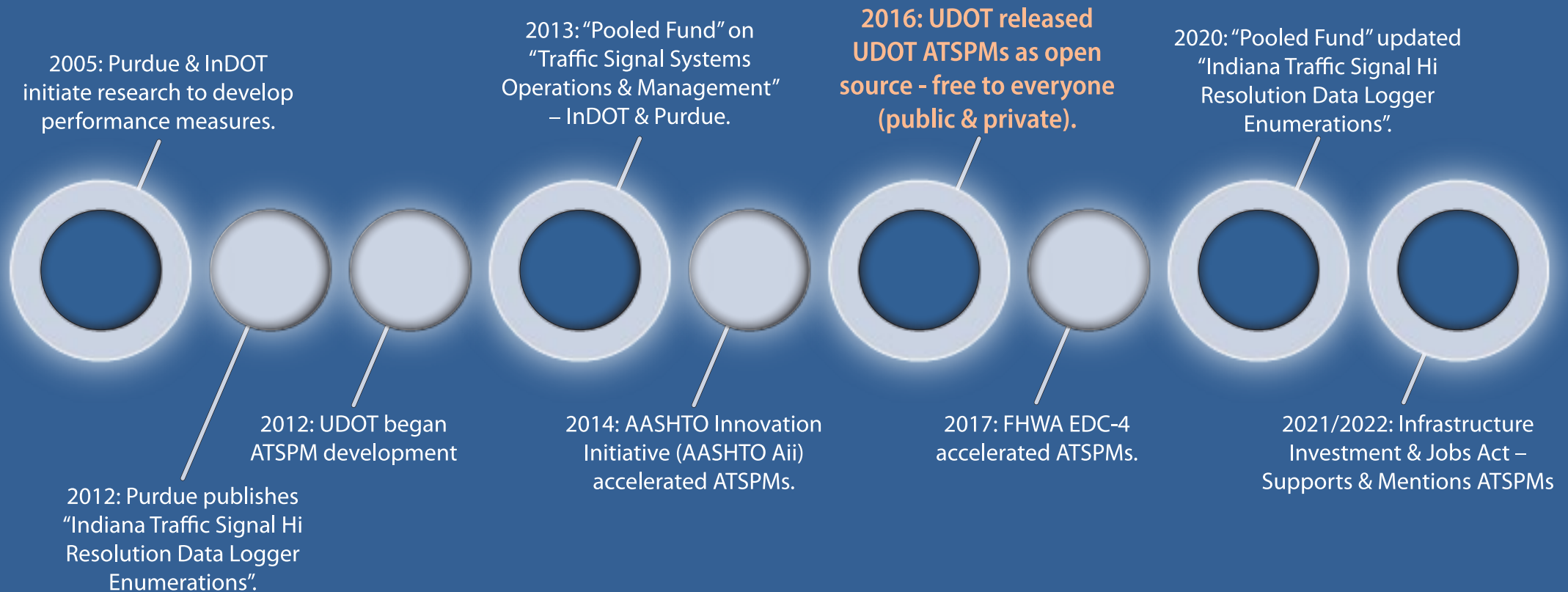


Open-Source Development– The Why

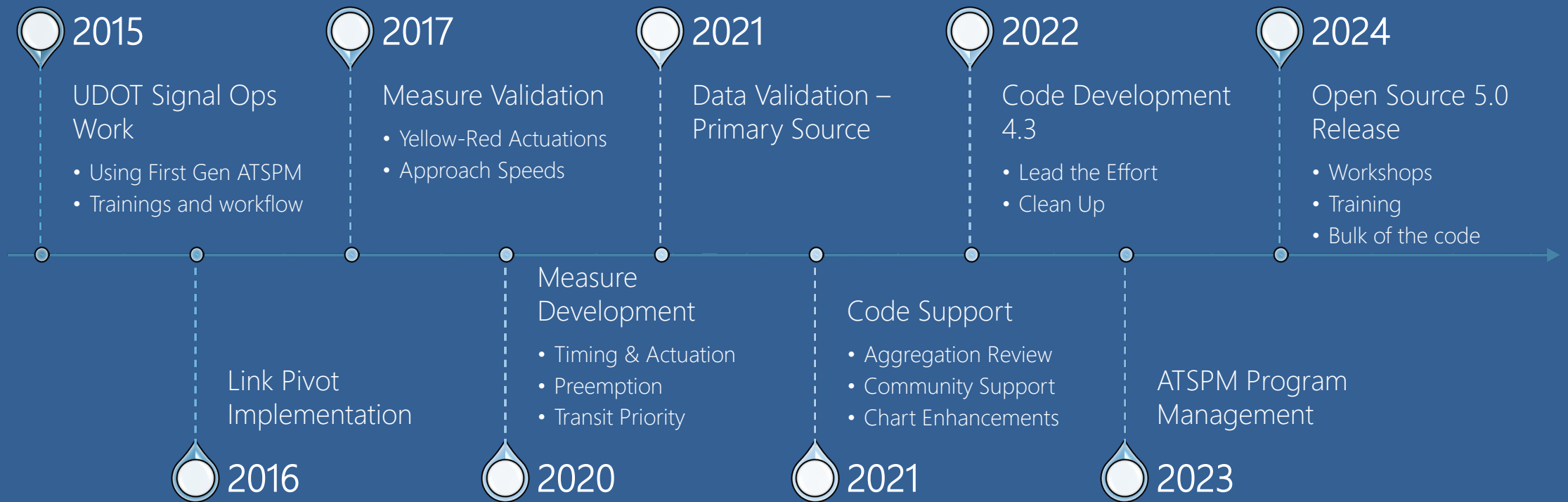
- Free (Sort Of)
- Less expensive for everyone
- Features for one – Features for all
- Share Development Workload
- Collaborative Solutions



History Of ATSPM – Open Source



Getting Started - Avenue



Getting Start – Opensource ATSPM 5.0?

- Wrapping up Version 4.3
- Third Party ATSPM
- Community Feedback
- Mark Taylor – What's Next?
 - Just for UDOT?
 - Hold and Maintain?
 - Go for Gold?



Enter Open Source ATSPM 5.0 – Go for
GOLD!



Collaboration



Collaboration – The Players

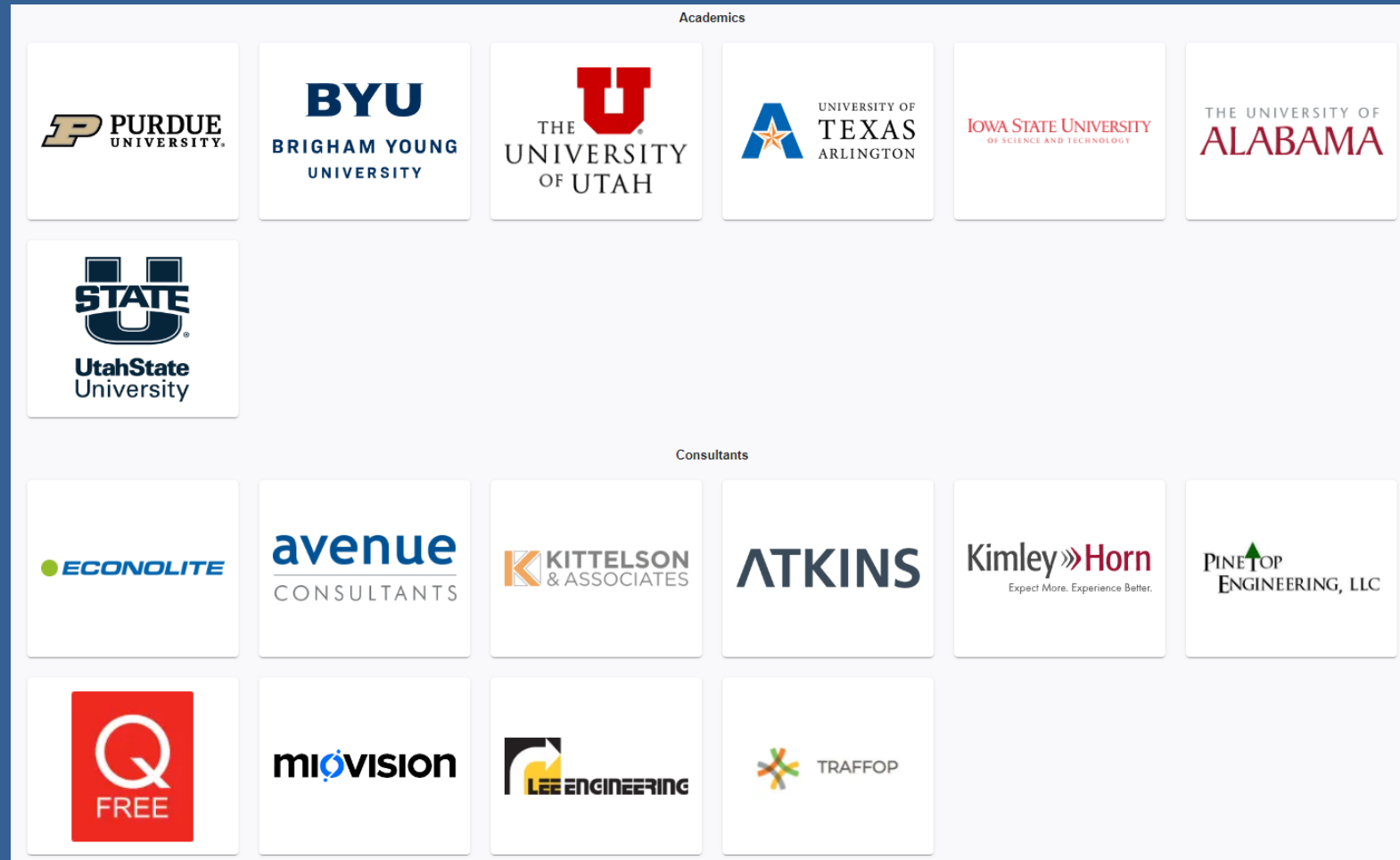


 *Keeping Utah Moving*

Agencies



Collaboration – The Players



Collaboration – Community Feedback

- Setup
 - Too Expensive
 - Too Hard
 - Restrictive
 - No Cloud Option
 - Memory
- User Experience
 - Hard to get Data
 - Static Charts
 - Signal Configuration Cumbersome
 - No Corridor Analysis
- More Feedback
 - New Measure Survey
 - User Outreach
 - GDOT
 - MCDOT
 - Local Cities
 - Universities
 - UDOT
 - What can they support?
 - What do they need?



Collaboration – Where in the Process

- Initial Wants
 - New Measures
 - Limitations
 - Improvements
 - Methods and Concepts
- Beta Testing
 - Validation
 - GUI Testing
 - Code Review
- Financial
 - UDOT
 - City of Frisco
 - Town of Gilbert
 - GDOT



Differences



Differences – Major Changes

The Changes

- Clean Architecture
- Flexible Setup
 - Scripted Install
 - Cloud Compatible
 - Hosting Options
- Data Access (API)
- Data Compression
- Modern Front End

The Why

- **Needed For World Class System**
- Request from Community
 - Small Agencies without IT
 - Cost and Management needs
 - Not Windows
- Agencies/Academic/Consultants
- Cost of large data
- Want for better interactive charts



Difference - Process



- Community Driven
- Champion Managed
- Consultant Led
 - Timeline
 - Budget
 - Deliverables
- Agency IT - Every Step
- Heavy Collaboration
- Feedback Loop

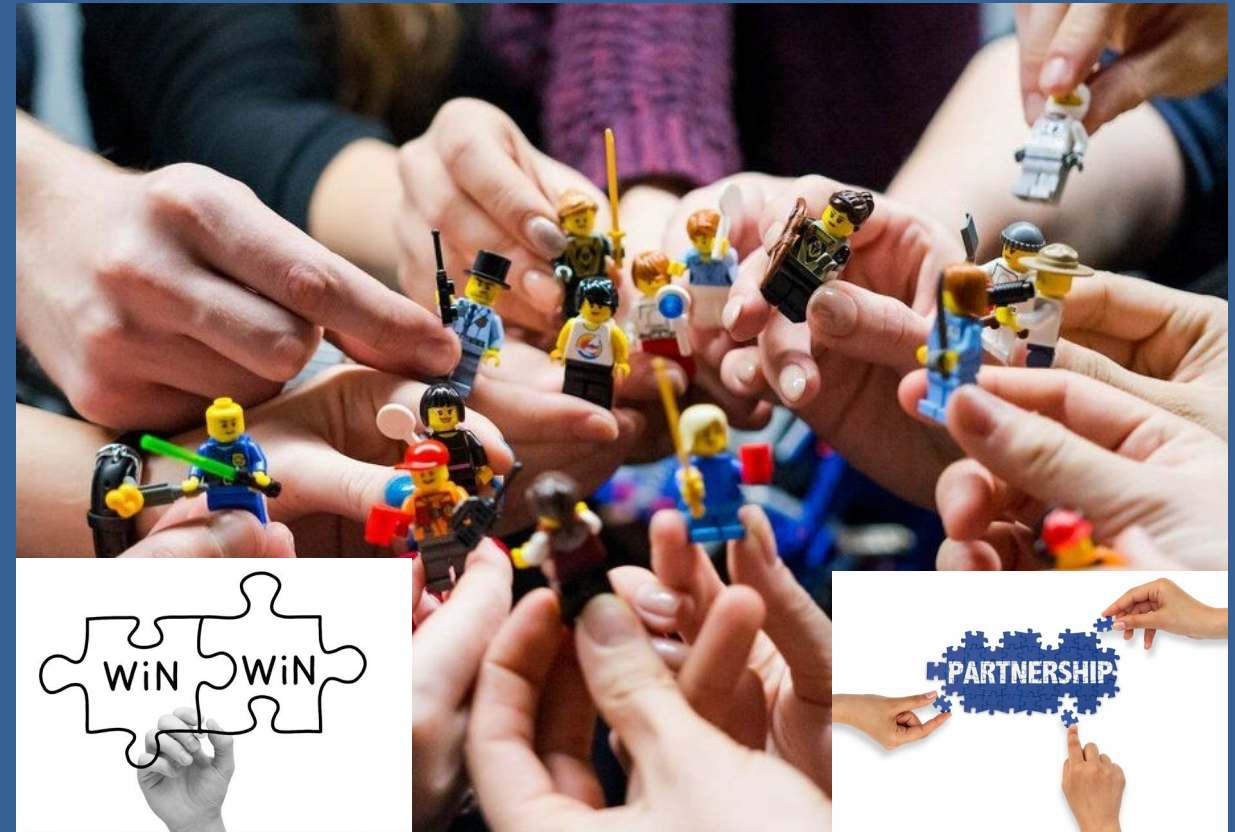


Benefits



Benefits – Why the Partnership Works

- Needs Client/Community Based
- Consultants
 - Agile
 - Flexible
 - Scalable
- IT a Partner not Opponent
- Spread the Success
- Owned by the Community
- Each Strength is Maximized
- Creates Competition





THANK YOU

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