

Intelligent Transportation System Forum

Towards Development of an ITS Framework in the Philippines

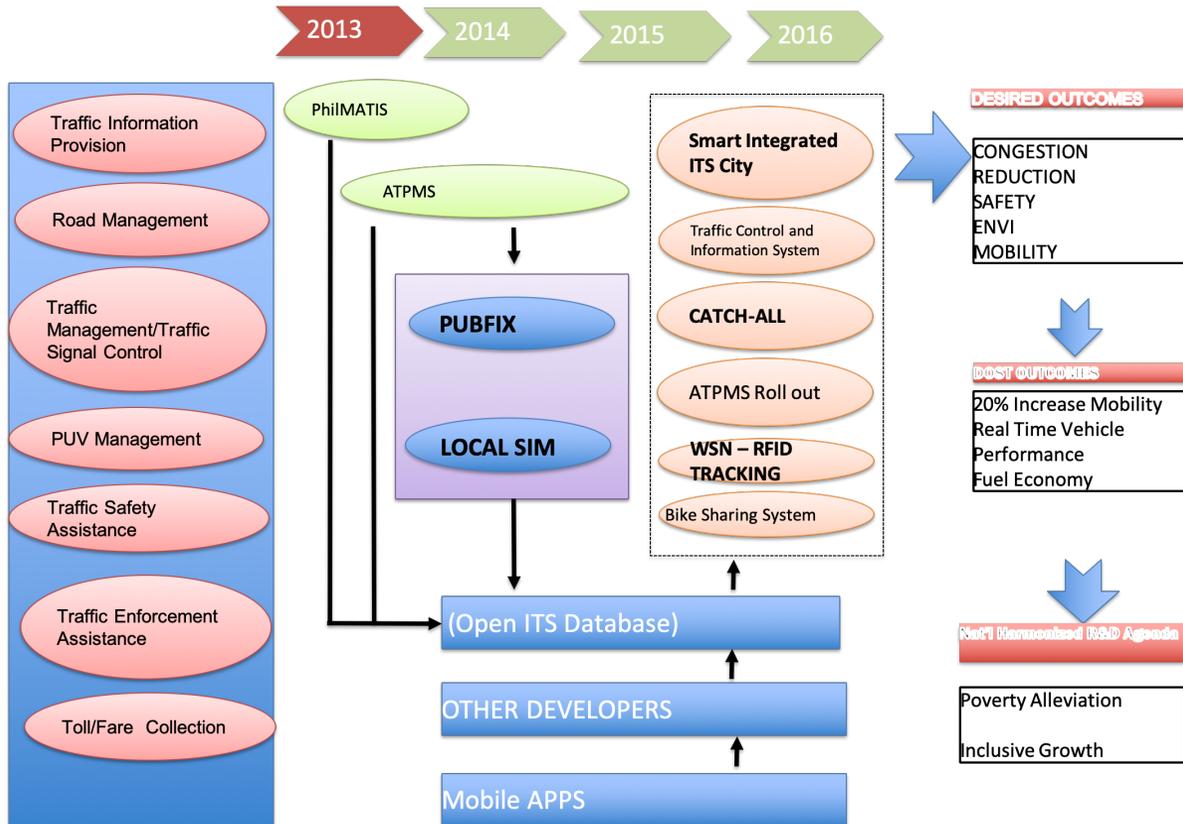
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October 25, 2019

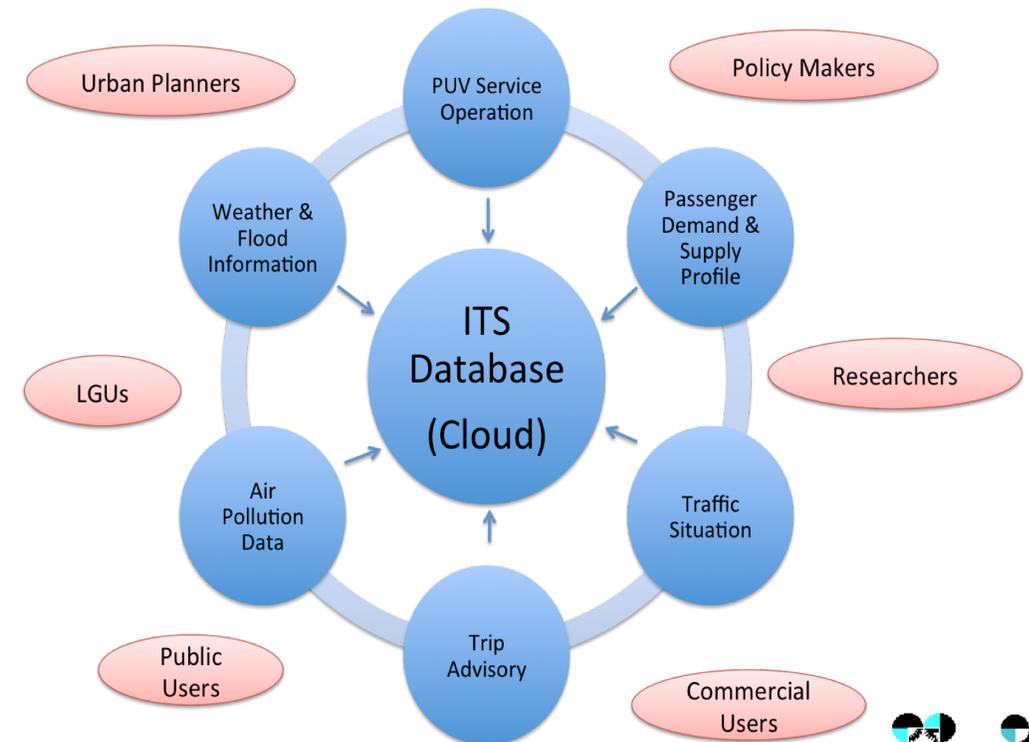


Review on the 2013 ITS Roadmap

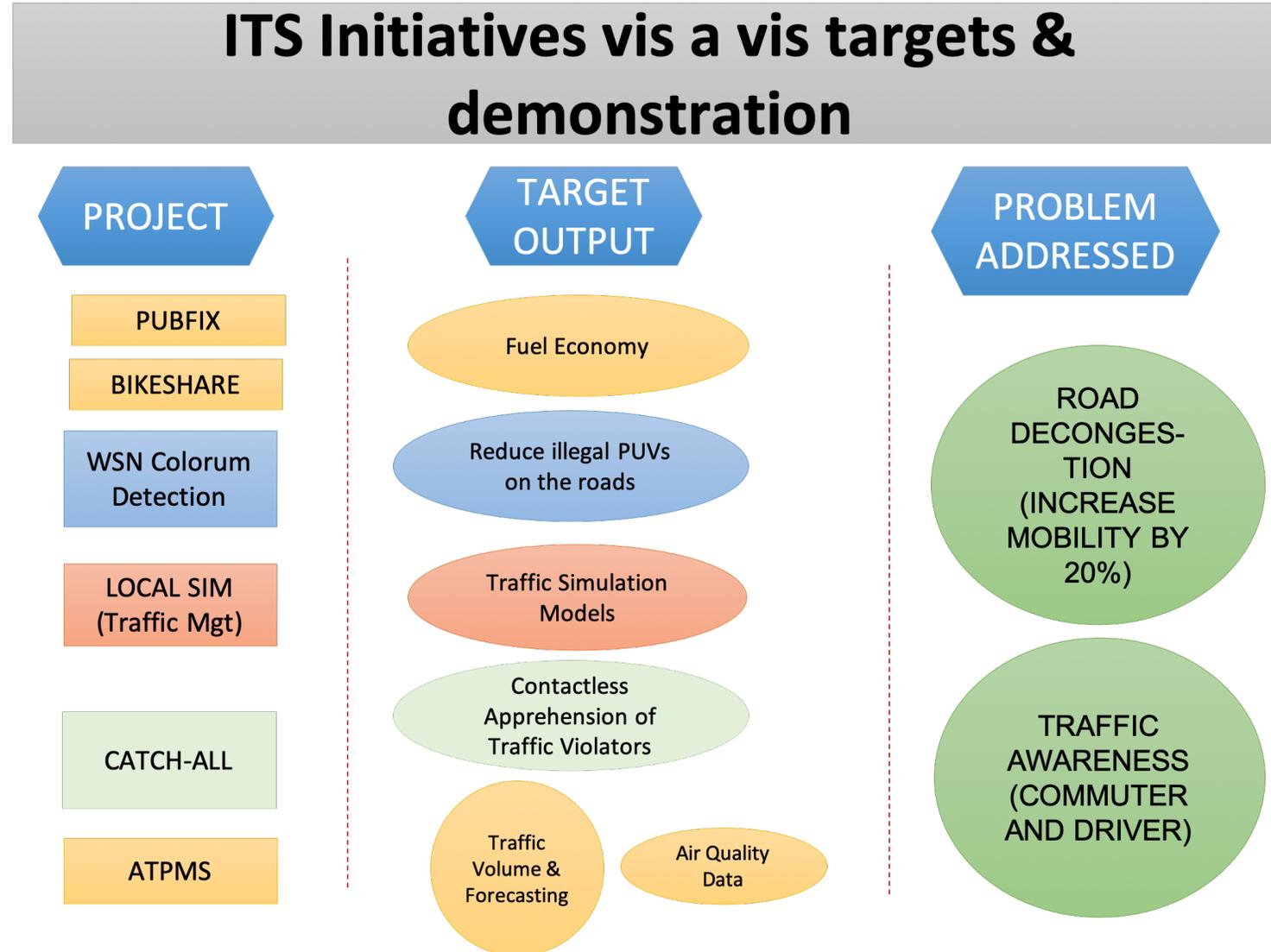
ITS Plan



Envisioned ITS Framework



2013 ITS Initiatives



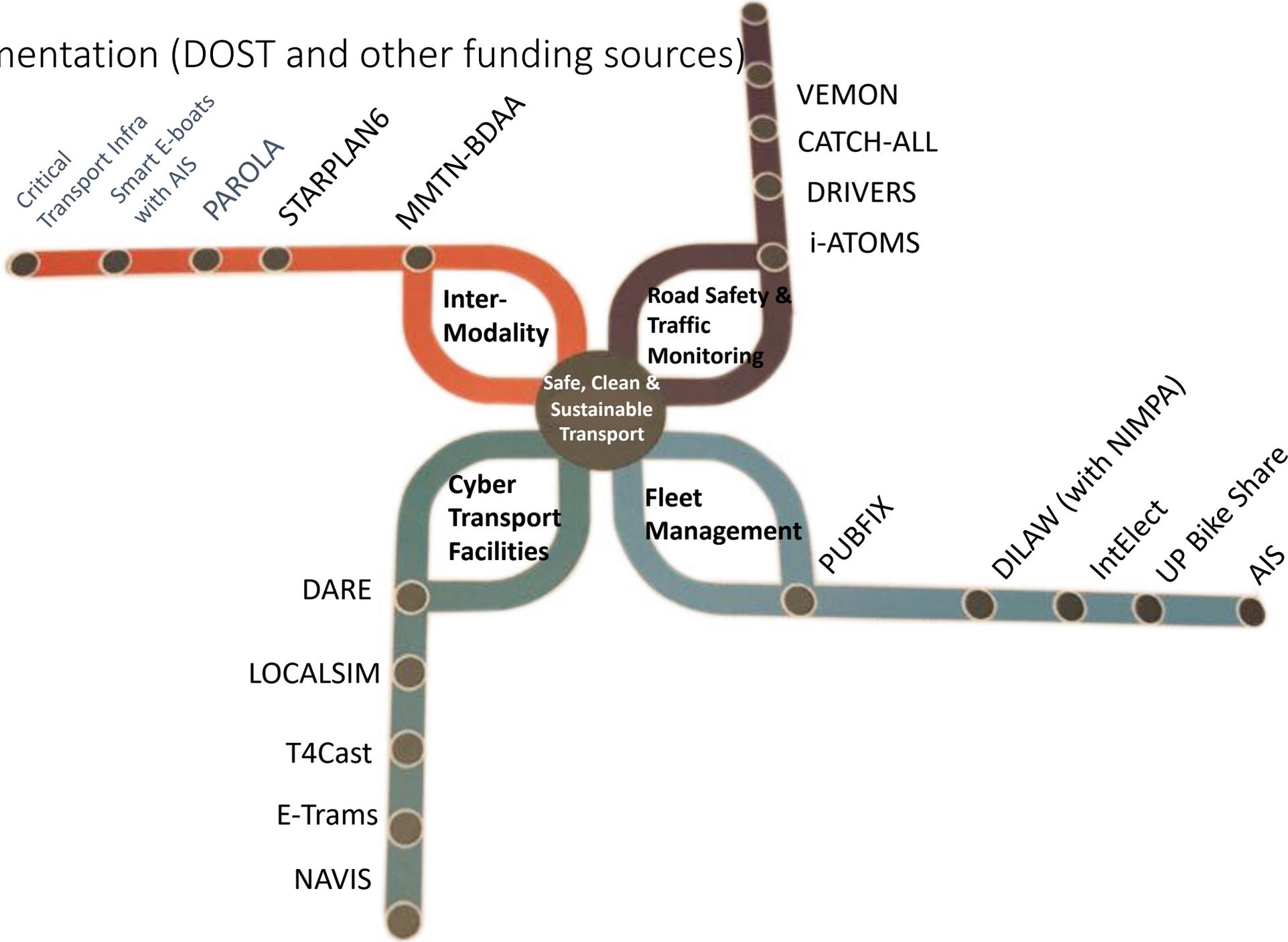
ITS

Best Practices & Lessons Learned

- 👍 S&T outputs alignment to the needs of the LGUs and the other stakeholders
- 👍 Trained dynamic personnel in the field
- 👍 Practical metrics/applications
- 👍 Learnings on the need for sustainability and commercialization
- 👍 Transport data sets required by the line agencies

- 👎 Apparent disconnect among ITS initiatives and with government agencies
- 👎 Lack of policies that will support the adoption of S&T outputs
- 👎 S&T outputs difficulty in penetrating the market

ITS Complementation (DOST and other funding sources)



Towards an ITS Framework

Strong S&T base to support the different National Transport Policies and Framework including ITS

- Establishment of Niche Centers
 - Centers for Research on Environmentally Sustainable Transport (CREST)
 - EV Transport Facility Testing Center
 - Maritime Laboratory Research Center
- Alignment to the National Transport Roadmap (draft of DOTr) with 30 years duration
 - Intelligent Vehicle S&T Roadmap
 - Integrated Land and Water Transport S&T Roadmap



Towards an ITS Framework

Strengthen S&T Collaboration and Initiatives with the Line Departments

- Critical Transport Infrastructure (CTI) for Maritime Safety and Surveillance
- Intermodal Transport and Logistics Systems
- Intelligent Vehicle-to-Vehicle Connectivity & Information Sharing

2020 ITS Direction and Scheme (DOST and other funding sources)

PROJECT

TARGET OUTPUT

PROBLEM ADDRESSED

2020 ITS Targets

DARE
(PCARI)

DRIVER
(DOTr)

DILAW /
NIMPA

CPTS:
iATOMs
AorTA
CORTEX

E-TRAMS:
T4Cast &
Localsim

MARIS / PAROLA

MMTN / STARPLAN 6

CATCH-ALL

VEMON

IntElect
(DOST & DOE)

AIS

Bikeshare

Road Safety
Road Monitoring
Transport Management

Transport Planning
Transport & Land Use
Transport Simulation

Traffic Monitoring
Violation Detection

Safety
Surveillance
Fleet Management

ROAD
DECONGES-
TION
(INCREASE
MOBILITY BY
20%)

TRAFFIC
AWARENESS
(COMMUTER
AND DRIVER)

Shared Funding
between partners
(60 – 40 sharing)

More Project
Technologies
Outcome
Transferred
(40% of project
outputs used by
end users)

Sustainable
Technologies



What are likely the requirements for ITS?



Shared Funding
Resources



Transfer of Technology
Services



Connected databases &
systems



Sustainability &
Inclusivity

Thank you!

