

# ECOSTAND

EU-China cooperation  
workshop on ITS  
Tokyo, Japan  
15th May 2012



Trilateral co-operation on green ITS assessment



## ECO awareness

SUNSET  
GroupFOT-Net  
SupportEEG  
iCarsenergy  
C2XDRIVETeleFOT  
iCar HAVEit SPITStruck  
Logistics efficiency  
FREILOT  
LIFE  
Network  
Future  
2DECIDE  
COMeSafety2  
CarboneuroFOT  
COSMO CONCERTO  
studyEasyWay  
NEARCTIS  
Working  
eCoMove  
CONDUITSICT  
In-Time  
eco stand



# Goal of ECOSTAND

- *Focus on energy efficiency and CO2 reduction:* measuring the impact of ITS applications
- *Creation of framework for assessment methodology* with Japan and the USA
- End results
  - Policy advice in terms of a ‘Roadmap’
  - Joint research agenda for further activities



## Project fact sheet

Coordinator:



Partners:

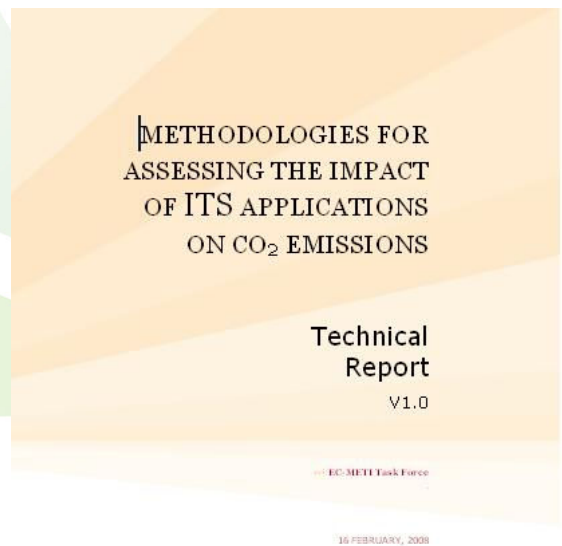


- Grant approved by the EC: € 720,000
- Three year project
- Starting date 1st November 2010

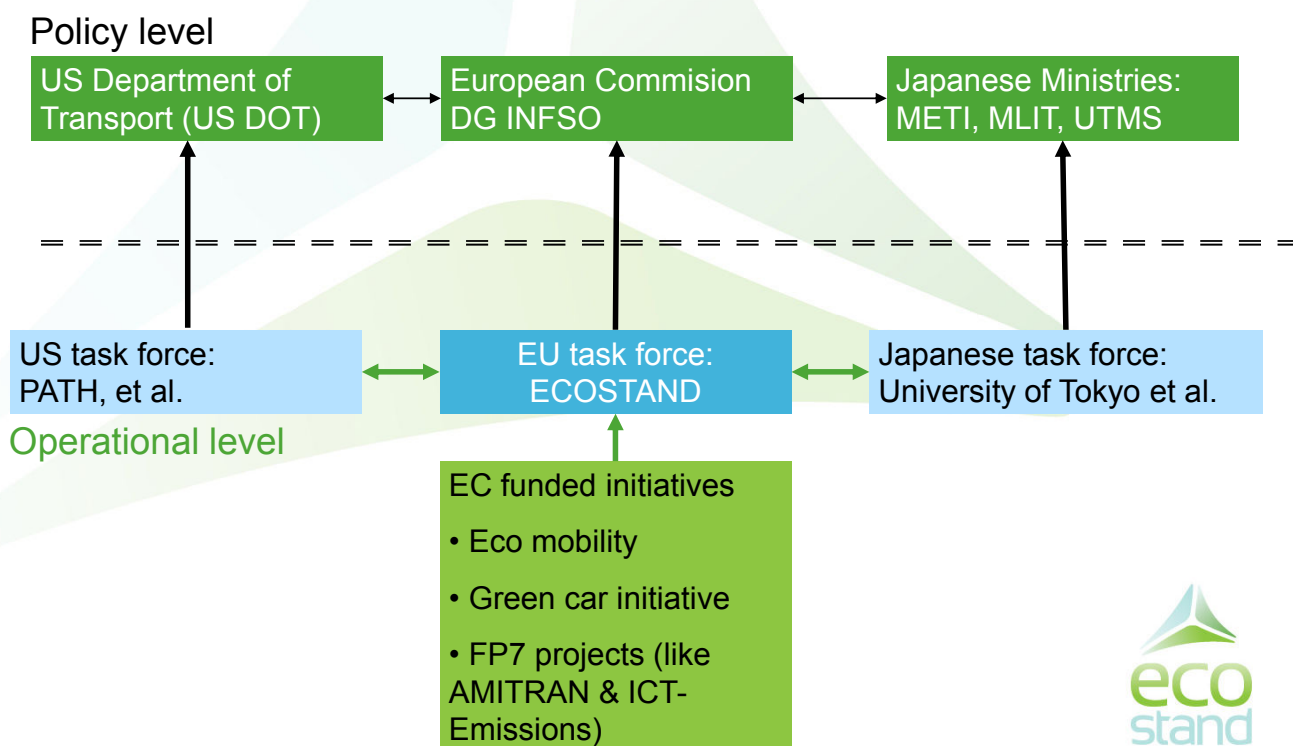


# Where we come from

- First work done in bilateral agreement  
EC – Japan (METI – 2008)
- Bilateral cooperation:
  - EC – USA (US DOT)
  - EC – Japan (MLIT)
  - US – Japan (MLIT)
- ECOSTAND to facilitate trilateral cooperation



# Positioning



## Trilateral - activities

- European initiatives
  - Green Car Initiative (& FP7 related projects)
  - *Next steps*: Horizon 2020 (FP8)
- US initiative
  - AERIS program (Applications for the Environment: Real-Time Information Synthesis)
- Japan initiative
  - METI Energy ITS project
  - *Next steps*: MLIT project & cooperation

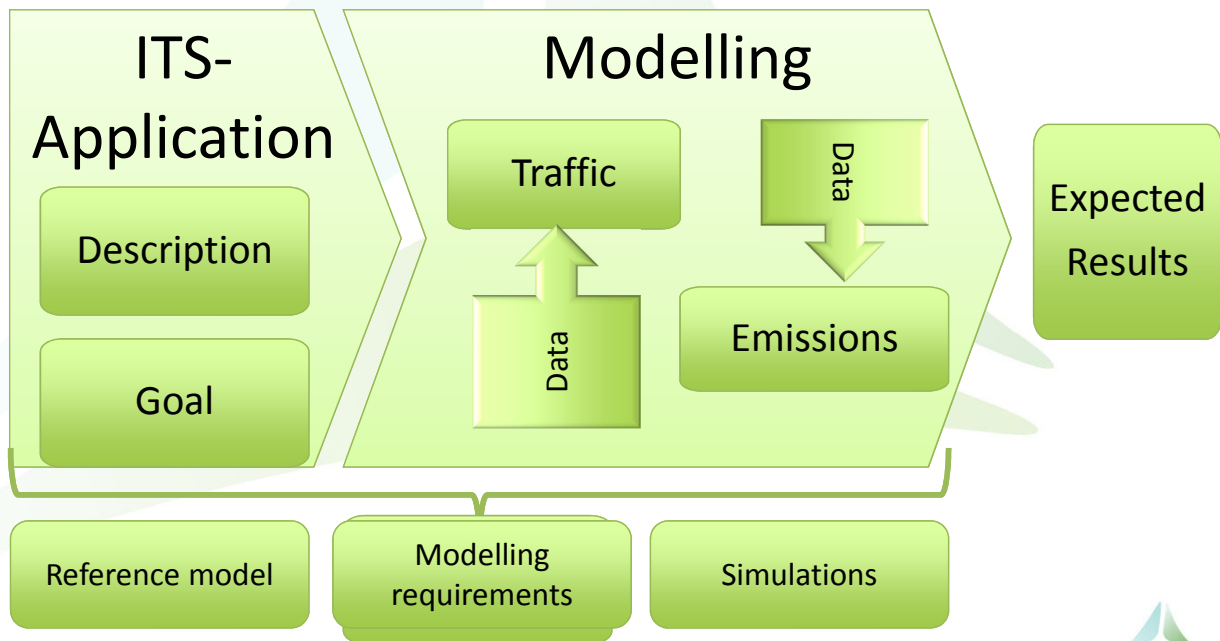


## Progress to date

- State of the Art report & Inception report (D2.1)
- Organisation of symposia
  - Vienna July 2011
  - Orlando October 2011
  - Washington January 2012
  - Brussels June 2012 (planned)
  - Vienna October 2012 (planned)
- Sharing of datasets amongst partners
  - Komozawa dataset Japan
  - Travel assistant dataset EU
  - MoCoPo dataset EU



# Assessment framework

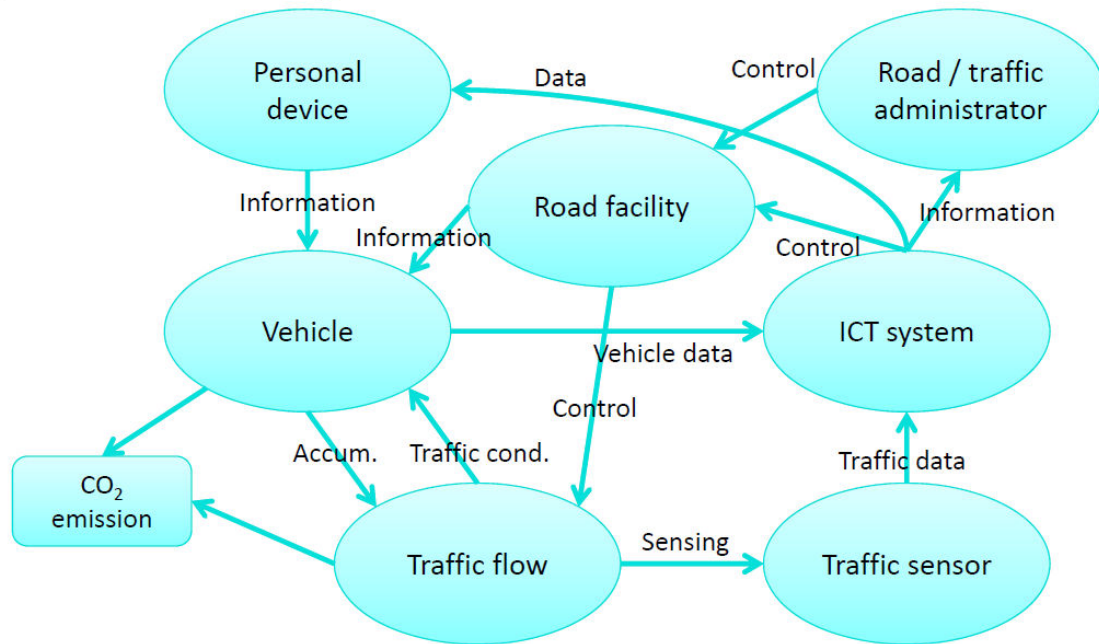


## Types of applications

- Navigation and traffic information
- Traffic management and control
- Demand and access management
- Driver behaviour change and eco-driving
- Logistics & fleet management
- Safety & emergency systems



## Common Reference Model for Category#3 ~ Traffic Management on a Network Scale



## Joint Technical Report

- Joint Technical Report: version 1 - June 2012
- Agreement between Japan & USA on how to use assessment methodologies
- Reference models for 6 categories
- Overview of modelling techniques
- Descriptions for
  - Calibration
  - Validation
  - Verification

## Contact ECOSTAND

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## Questions & Answers

