



Workshop Agenda

Day 1 – Wednesday 18 October

11:00 – 12:30 Opening session

- Welcome and workshop overview
- eSafety: The European perspective
- System Concept: What is CVIS?
- CVIS Core Technologies
- Path to Requirements Definition

12:30 – 14:00 LUNCH





Workshop Agenda

Day 1 – Wednesday 18 October

14:00 – 18:00 Use cases & requirements

- High level requirements
- Communication & network
- Open application & service management
- Positioning, maps & location referencing

BREAK

- Cooperative monitoring
- Urban applications
- Interurban applications
- Freight & fleet applications

20:00 – 22:00 DINNER





Workshop Agenda

Day 2 – Thursday 19 October

09:00 – 12:30 Requirement validation – Breakout sessions

- Communication/network
- Positioning/maps/location referencing
- Open application/service management + Cooperative monitoring
- Urban + Interurban applications
- Freight & fleet applications

12:30 – 14:00 LUNCH

14:00 – 16:00 Closing Session

- Breakout session summaries
- Requirement validation
- Conclusion & next steps





Workshop Logistics

- Lunch arrangements
- Dinner tonight
- Travel tonight & tomorrow morning
- Breakout sessions
- Access to workshop results





CVIS System Concept Definition



- Some central ideas
- A unified concept
- An organisational concept
- A service concept
- A business concept



Cooperative systems are new!!

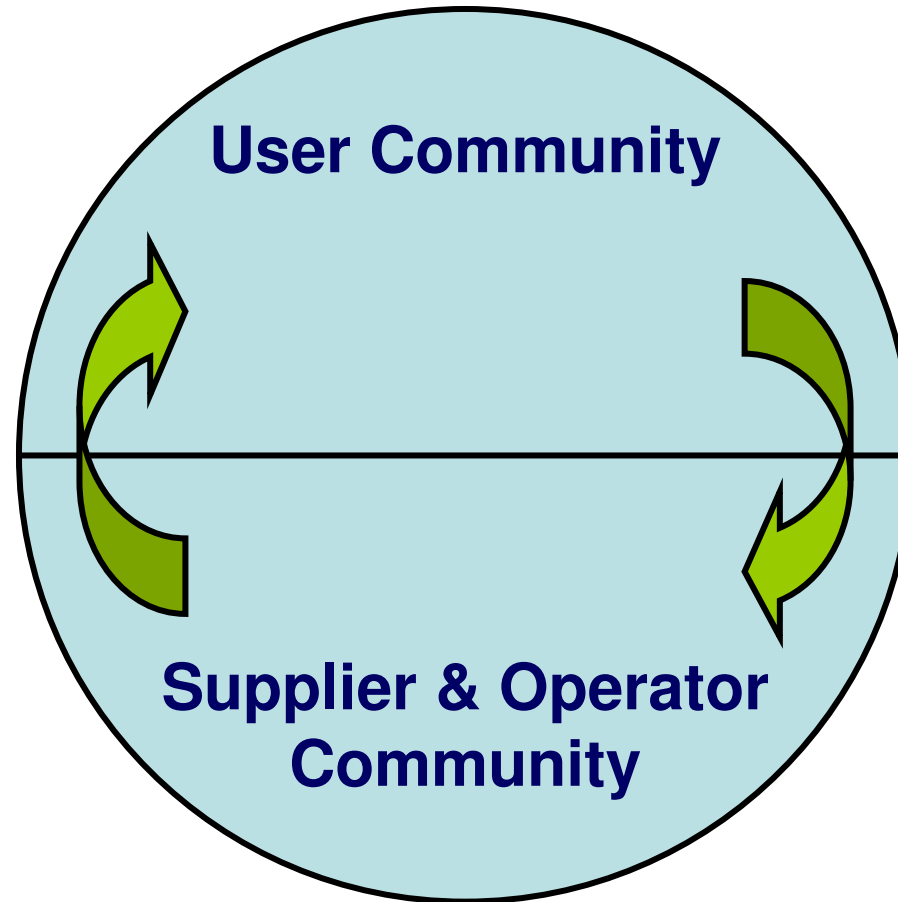


- Today's vehicles
 - aren't "on-line"
 - don't act as "floating sensors"
 - can't "shout", "talk back" or share information
 - don't know what's going on around
 - get stuck in traffic jams...
- Tomorrow CVIS can change all this!



Central ideas

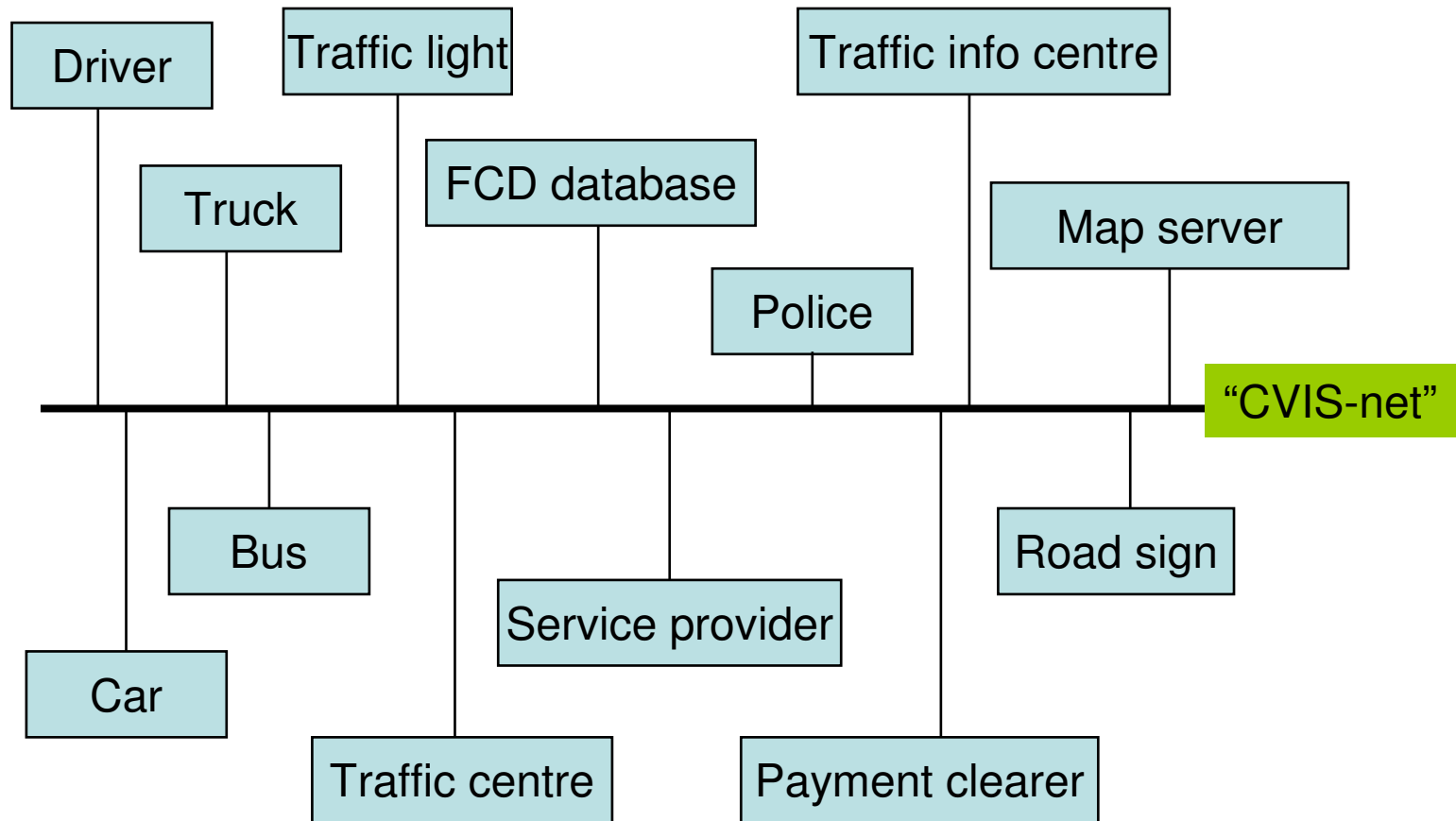
A Cooperative System Community...





Central ideas

A Cooperative System Network...





Central ideas

Information is knowledge...

blind in the fog...





Unified concept

“CVIS is an innovative data sharing structure that enables different communities to enhance their mobility objectives”

- why innovative?
- which data?
- who are the communities?
- which mobility objectives?





Organisational concept



- Traveller can roam - use services anywhere
- Someone operates the “CVIS Internet”
- “CVIS ISP” offers users the “CVIS SIM card”
- Someone aggregates, delivers data
- Many providers of user services, applications
- Certification authority certifies compliance
- Bank / clearing-house handles payments
- Communication network operator
- Authority deploys on public infrastructure
- Road network operator steers traffic



Service concept

Core CVIS services - absolutely need to have...

- functionalities available everywhere
- “CVIS box” includes basic service package
- free services, priced services
- maps: local (dynamic); area (status, incidents)

What are CVIS services?

- speed recommendation/limit display
- status/level of service (congested/slow/normal...)
- events/incidents (accidents/hazard warnings...)
- best route recommendation & guidance (by road operator)
- temporary use of bus lane





Business concept



Shared investment in communication infrastructure

CVIS is one infrastructure that enables multiple applications/services; costs are widely shared

What are costs/revenues:

- comm network (fixed and operational)

- in-vehicle units

- roadside infrastructure adaptation

- data management

- back-office (PKI, payment clearing; billing; subscriber registration; certification equipment, content;

- education & awareness; market development

- licence fees for operator/provider use

- subscription fee for end users

Socio-economic benefits (Incl. environment, safety, productivity, lower costs for infrastructure, operations;

Mobile operators sell airtime to end users; selling on access to third party value added services & content

Driver as subscriber:

- free subscription: basic free services

- paid subscription: paid added-value services

OEM

- safety benefits - "safety sells"

- driver comfort package (personal mobility assistant) - bundled with phone/navigation system

- CRM - maybe but not primary concept

Monitoring data aggregator/provider (could be private or public)

- data collection is free for driver (no communication costs)

- revenue from selling on aggregated data to operators/service providers