



EUROPEAN CITIES AND REGIONS NETWORKING
FOR INNOVATIVE TRANSPORT SOLUTIONS



Practical proposals for bringing Europe's urban ITS standards together

Outputs from the POSSE project



European Union
European Regional Development Fund



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Outputs from POSSE

➤ POSSE is a knowledge sharing project

- Principal function is to exchange learning among project partners
- Secondary obligation to indicate lessons for broader learning agenda

➤ POSSE Good Practice Guide now published

➤ POSSE Exploitation Plan created:

- To suggest how project partners and others can build on the knowledge sharing in POSSE
- Complements the Implementation Plans of project partners
- Explores how the wider European environment might change to support successful exploitation of ITS OSS

What we did

➤ Factors considered

- **Effectiveness of the POSSE project** – did the project meet its knowledge exchange goals?
- **Utility and evolution of the Guide** – does the Good Practice Guide help cities understand and use open specifications?
- **Possible European framework** – what are the next steps that should be taken at European level (not a full programme, just some pointers)

➤ Detailed inputs from all partners

- Tested through the POSSE Forum (Brussels, 19 November 2014)

In summary – it worked!

➤ Case studies identified and communicated

- OCA and UTMC initiatives
- Cities using these frameworks
- Transfer Sites – the creation of new “case study” scenarios

➤ Communication experience

- Best: in depth, locally focussed, bilateral expert discussions
- Supporting: open, generic communication (eg newsletters, website)
- Good opportunities to engage with EU and (some) Member States

➤ Good Practice Guide

- Ended up developing after Transfer Site discussions, not before
- So not tested “in anger”

Transferability of OCA and UTMC

- **Two different initiatives, two different histories**
 - Eg role of suppliers, approach to standardisation, functional focus
- **Transferable issues: the open data agenda, urban-interurban links...**
 - Organisational and political approach is valuable more widely
- **Non-transferable issues: national context, culture, legacy systems...**
 - Specific technical frameworks may not be relevant
- **Impact on standardisation**
 - Need to pool “local” city requirements and to sustain pressure on industry
 - This requires energy at regional or national level

Standards around Europe

➤ Formal SDOs

- CEN, CENELEC, ETSI – but also ISO, IEC, IETF, ITU...

➤ EC measures

- Directives (eg ITS, INSPIRE, EETS, PSI...) and regulation (especially for air and rail)

➤ Projects

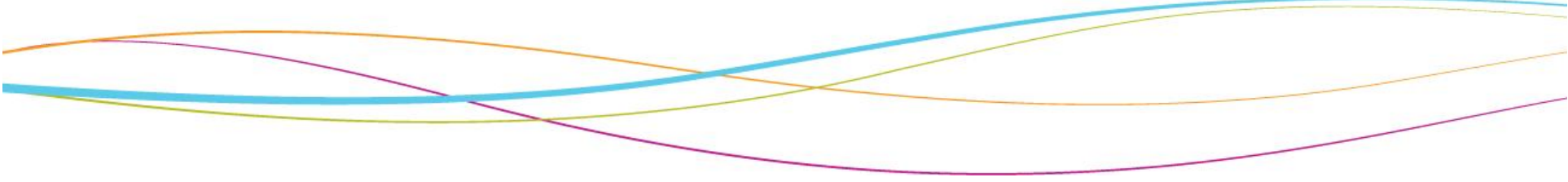
- Link from R&D to standards – eg DATEX, Transmodel...

➤ National, local, and industry “standards”

- A lot more informal – dependent on market for effectiveness

➤ Key criteria for relevance: market size, rate of legacy replacement, rate of technology change, level of policy support

State of the Union

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- **A widespread *prima facie* failure in the supply market**
 - Individual large cities can force integration – at a cost
 - Smaller cities (ie most!) cannot
 - **European ITS is diverse and complex**
 - A rigid “one size fits all” solution is not appropriate
 - **Standards can help, but are complex and support is needed**
 - SDOs are not set up to provide this
 - **Existing initiatives are valuable but localised – scope for a long term European action to:**
 - Sustain knowledge exchange among existing national/regional fora
 - Encourage their development where they do not currently exist

Features of a Framework

- A technology/standards watch and horizon scanning activity
- An effective engagement with the city community, and with the supplier industry
- The ability to agree, document and disseminate consensus decisions
- Recognition among the key stakeholders
- A professional and impartial secretariat
- A low cost of operation

Possible European action

➤ A network of networks?

- Local networks to access and review each other's specifications
- Links with CEN etc to input requirements and interpret outputs
- A way of engaging with the supply industry – ensuring representation covering the whole market

➤ A series of R&D projects?

- Technical architecture work – cf the Urban ITS standards mandate
- But the city ITS context is more complex – existing DATEX II projects cannot simply be extended/replicated
- Research activities needed to develop specific specifications suitable for urban use

Thank you!



www.posse-openits.eu