Urban Platform Initiative: Set-Up & Goals

City-Needs-Led Principle
Agree common requirements, that will help speed adoption

Demand-Side Mgmt

Supply-Side

Standards

Bring together EU Industry to adopt common open solutions

Formalise the capture of the core content as international standards

➢ By 2016 have reference templates for tenders in place to allow cities to plan in an integrated way
➢ By 2018, create a strong EU city market for Urban Platforms
➢ By 2025, ensure that 300m residents of EU cities are supported by Urban Platform(s) to manage their business with a city and that the city in turn drives efficiencies, insight and local innovation through the platform(s)
DEMAND: Developing materials / tools that:
- Build awareness of the value of standards
- Inform city leaders
- Align across services / functions
- Accelerate pre-procurement actions
- Clearly define needs
- Increase confidence for decision makers
- Support collaboration across public actors (city-city-region collaboration / aggregation)
- Build capacity
- Help shape the market to benefit both sides
- Make solutions affordable / improve value

SUPPLY: Aligning different Industry players:
- Collaboration
- Agreed technical specifications
- Best value for market
- Case examples to accelerate

ESPRESSO: Develop / execute a strategy:
- Map standards landscape
- Collaboration amongst standards stakeholders
- Key Technical Specification development
- Overall standards portfolio for UP and actions to sustain
UP: where in the roadmap…

Tier 1: Leadership Guide

Tier 2: Mgmt Framework
- Map Standards to architecture
- SC Info; & InterOp Frameworks

Tier 3: Reference Architecture
- Planned Demand-Side Materials
  - Business Case
  - Case studies
  - Benchmarks
  - Market surveys / “Which Guide?”
  - Procurement templates
  - City Data capability development

- Tiered portfolio of international Standards

Planned Supply-Side Materials
- Ref Arch Standard Specification

Demand
- City UP Needs Specifications

Supply
- List of Standards
- UP Standards Inventory (tbc)

Standards
A short crisp advisory / key action guide for political and professional city leaders

Six Next Steps for City Leadership

1. Establish data priorities
2. Build clear value cases
3. Scenario plan the models for the broader city data operating environment
4. Set the foundations for good, proactive governance
5. Establish business models and financing
6. Exert personal influence across all of the above
Making the Case

Context

1. Connect Vision
   - Strategy & Policy
   - … to Data & Platform
   - Ensure that all development work on city data and technologies is led by clear and agreed city needs, supported by city leadership

2. Assess Current State
   - Assess and agree pan-city overall ‘smart’ readiness; data readiness; current capabilities; technical landscape

Scope & Priorities

3. Determine Service Priorities & Policy Outcomes
   - Agree the priorities and order of services and cross-cutting themes that will be tackled, and link to target business outcomes

4. Assess Data Landscape to best exploit City Data
   - Understand the current and desired nature of the city data and technologies for the priority themes, to ensure all actors are aligned. Capture this in a city data strategy and plan

Making the Case

5. State of the Market / Technical Readiness
   - An iterative process to evaluate scenarios

6. Options, Trade-Offs, and Decisions
   - Developing a Compelling Business Case
   - Culminating in informed investment decisions


Making the Case

8. Implementation Considerations
   - Acquisition approach commensurate with operating and economic model; agile development through design, test, and operations; collaboration and co-creation with stakeholders

9. Operational Considerations
   - Bedding the new model in; building city data capabilities; demonstrating value; enhancing the data and model

Deliverables

- Honest baseline & gaps
- Alignment with leaders
- Agreement amongst the principal city service managers
- Agree on the priorities and order of services and cross-cutting themes that will be tackled, and link to target business outcomes
- Understand the current and desired nature of the city data and technologies for the priority themes, to ensure all actors are aligned. Capture this in a city data strategy and plan
- Market knowledge
- Operating Model
- Transition Roadmap
- Business Case
- Financing Plan
- Funding Model
- Appropriate selection
- City capabilities
- Operation benchmarks
- Evidence of value
Consistent with City-Needs Spec; an inventory of standards initiatives

SDO Activities evaluated
1. IEC
2. ISO
3. ISO/IEC-JTC1
4. IEEE
5. ITU-T
6. OneM2M
7. Open Geospatial Consortium
8. CEN/CENELEC/ETSI

Regional / NSOs
1. AENOR
2. DKE/DIN
3. OASC
4. World Smart City community

Mapping Activities
1. Reference Architecture Urban Platform
2. Technical Infrastructure
3. Data Management
4. Data Access (API Connector to get access to Data)
5. Smart Data (Enriched Data)
6. Smart Services
7. Security and Privacy
Reference Architecture(s)

29th June Standards Development Organisation (International & Nation) Workshop
UP AC Agreed Forward Plans

These actions result from the 20th June EIP Urban Platform workshop. They do not as yet include the outcome of the 29th June Standards workshop

<table>
<thead>
<tr>
<th>Urban Platform Roadmap</th>
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<tbody>
<tr>
<td>1. Re-mobilise UP Gov’ce Group to strengthen cross-sector alignment</td>
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<td>2. Test <strong>Ldrshp Guide</strong> in cities with politicians</td>
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<td>3. Run <strong>Mgmt F’work</strong> workshops to ready cities (exploiting networks like DE SC Forum; E’cities; etc)</td>
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<td>4. Improve <strong>MF</strong> – adding also ‘operation and governance guide’</td>
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<td>5. Improve <strong>Ref Arch</strong> and align with planned DIN PAS</td>
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<td>6. <strong>Manage end June BXL Standards Workshop</strong></td>
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<td>7. Mobilise across SCC01s, and collect examples of success stories, and UP justifications</td>
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<td>8. Cost, benefits, value case development</td>
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<td>9. Develop further templates / tools</td>
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<td>10. Apply for financial assistance under INTERREG Europe for capability creation</td>
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<td>11. <strong>Ready EC / Initiative for ISO Nov conference</strong></td>
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<td>11. Ongoing comms</td>
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<td>13. Pavilion Event needed?</td>
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Portfolio of existing / desired documents

Tier 1: Leadership Guide
- Logic-based step through toolkit for city UP project lead to speed cross-functional agreement
- 10p read to advise politicians & leaders

Tier 2: Mgmt Framework
- Data Officer focused templated approach to help specify UP data needs

Tier 3: Reference Architecture
- Landscape of ~400 relevant standards
- Both a ‘Layered’ and ‘Capability’ view of components

Standards Mapping
- Base (Regional / National) Registries that cities must report into

Technical Interface (6-pager) - new

City UP Needs Specifications

Planned Demand-Side Materials
- Business Case
- Case studies
- Benchmarks
- Market surveys / “Which Guide?”
- Procurement templates
- City Data capability development

GOAL
- A tiered portfolio of (inter)national Standards
- Implementation specs that realise designs and deliver intended value

DIN PAS Ref Arch
BSI Data PASs
UNE City Platform
Others?...
Urban Platforms

...learning to herd cats