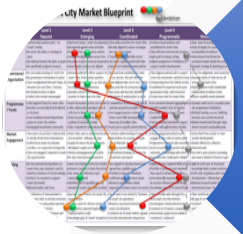
EIP-SCC
European Innovation Partnership
on Smart Cities and Communities

Integrated Planning Policy and Regulation

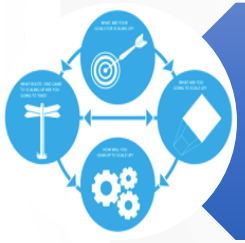
Simona Costa, Action Cluster leader

Action Cluster Overview

THREE INITIATIVES



Six Nations Smart cities Forum



From Planning & Implementation to Scaling up of Smart Cities

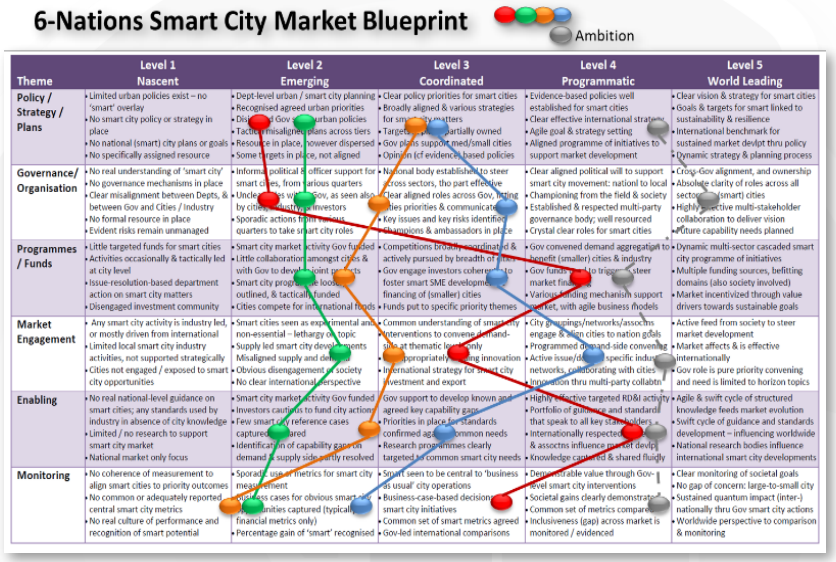
Tools for Decision Making, Management and Benchmarking

EIP-SCC
European Innovation Partnership on Smart Cities and Communities

6-Nations Smart City Forum

A Blueprint addressing six themes:

- Policy/Strategy/Plans
- Governance/Organisation
- Programmes/Fundings
- Market engagement
- Enabling
- Monitoring



Theme	Level 1 Nascent	Level 2 Emerging	Level 3 Coordinated	Level 4 Programmatic	Level 5 World Leading
Policy / Strategy / Plans	• Limited urban policies exist – no 'smart' overlay • No smart city policy or strategy in place • No national (smart) city plans or goals • No specifically assigned resource	• Dept-level urban / smart city planning • Recognised agreed urban priorities • Disjointed Gov urban policies • Tactical misaligned plans across tiers • Resource in place, however dispersed • Some targets in place, not aligned	• Clear policy priorities for smart cities • Broadly aligned & various strategies for smart city matters • Targets [illegible] partially owned • Gov plans support med/small cities • Opinion (cf evidence) based policies	• Evidence-based policies well established for smart cities • Clear effective international strategy • Agile goal & strategy setting • Aligned programme of initiatives to support market development	• Clear vision & strategy for smart cities • Goals & targets for smart linked to sustainability & resilience • International benchmark for sustained market devlpt thru policy • Dynamic strategy & planning process
Governance/ Organisation	• No real understanding of 'smart city' • No governance mechanisms in place • Clear misalignment between Depts, & between Gov and Cities / Industry • No formal resource in place • Evident risks remain unmanaged	• Informal political & officer support for smart cities, from various quarters • Uncle[illegible]s with Gov, as seen also by cities / industry / investors • Sporadic actions from various quarters to take smart city roles	• National body established to steer across sectors, tho part effective • Clear aligned roles across Gov, noting cities priorities & communicated • Key issues and key risks identified • Champions & ambassadors in place	• Clear aligned political will to support smart city movement: national to local • Championing from the field & society • Established & respected multi-party governance body; well resourced • Crystal clear roles for smart cities	• Cross-Gov alignment, and ownership • Absolute clarity of roles across all sectors & (smart) cities • Highly effective multi-stakeholder collaboration to deliver vision • Future capability needs planned
Programmes / Funds	• Little targeted funds for smart cities • Activities occasionally & tactically led at city level • Issue-resolution-based department action on smart city matters • Disengaged investment community	• Smart city market activity Gov funded • Little collaboration amongst cities & with Gov to develop joint projects • Smart city programmes loosely outlined, & tactically funded • Cities compete for international trends	• Competitions broadly coordinated & actively pursued by breadth of cities • Gov engage investors coherently to foster smart SME development • financing of (smaller) cities • Funds put to specific priority themes	• Gov convened demand aggregation to benefit (smaller) cities & industry • Gov funds [illegible] to trigger & steer market finance • Various funding mechanism support market, with agile business models	• Dynamic multi-sector cascaded smart city programme of initiatives • Multiple funding sources, befitting domains (also society involved) • Market incentivized through value drivers towards sustainable goals
Market Engagement	• Any smart city activity is industry led, or mostly driven from international • Limited local smart city industry activities, not supported strategically • Cities not engaged / exposed to smart city opportunities	• Smart cities seen as experimental and non-essential – lethargy on topic • Supply led smart city developments • Misaligned supply and demand • Obvious disengagement of society • No clear international perspective	• Common understanding of smart city • Interventions to convene demand-side at thematic level only • Not appropriately leveraging innovation • International strategy for smart city investment and export	• City groupings/networks/associtns engage & align cities to nation goals • Programmed demand-side convening • Active issue/[illegible] specific industry networks, collaborating with cities • Innovation thru multi-party collabtn	• Active feed from society to steer market development • Market affects & is effective internationally • Gov role is pure priority convening and need is limited to horizon topics
Enabling	• No real national-level guidance on smart cities; any standards used by industry in absence of city knowledge • Limited / no research to support smart city market • National market only focus	• Smart city market activity Gov funded • Investors cautious to fund city actions • Few smart city reference cases captured / shared • Identification of capability gaps on demand & supply side partly resolved	• Gov support to develop known and agreed key capability gaps • Priorities in place for standards confirmed against common needs • Research programmes clearly targeted to common smart city needs	• Highly effective targeted RD&I activity • Portfolio of guidance and standards that speak to all key stakeholders • Internationally respected & associtns influence nat'l dev[illegible] • Knowledge captured & shared fluidly	• Agile & swift cycle of structured knowledge feeds market evolution • Swift cycle of guidance and standards development – influencing worldwide • National research bodies influence international smart city developments
Monitoring	• No coherence of measurement to align smart cities to priority outcomes • No common or adequately reported central smart city metrics • No real culture of performance and recognition of smart potential	• Sporadic use of metrics for smart city measurement • Business cases for obvious smart city opportunities captured (typically financial metrics only) • Percentage gain of 'smart' recognised	• Smart seen to be central to 'business as usual' city operations • Business-case-based decisions on smart city initiatives • Common set of smart metrics agreed • Gov-led international comparisons	• Demonstrable value through Gov-level smart city interventions • Societal gains clearly demonstrated • Common set of metrics compared • Inclusiveness (gap) across market is monitored / evidenced	• Clear monitoring of societal goals • No gap of concern: large-to-small city • Sustained quantum impact (inter-) nationally thru Gov smart city actions • Worldwide perspective to comparison & monitoring

And more to come…

… such as standards strategies, maximising the effectiveness of City Networks, capacity and International strategies (e.g. China, US, India), among others.

Expanding the learning in the market …

… by deployment across other natural Member State groupings.

EIP-SCC
European Innovation Partnership on Smart Cities and Communities

The "other two" initiatives

The common achievement of the other two initiatives is to co-create a **Smart City Guidance Package (SCGP)**, which

- is written in simple straight-forward language,
- helps cities avoiding the pitfalls,
- helps them implementing their plans,
- is a living document.

Publication in fall 2017 (50-100 pages).

NTNU is leading this activity supported by the whole Action Cluster.

EIP-SCC
European Innovation Partnership on Smart Cities and Communities

Going forward

Finalisation of the SCGP

October 2017[1)]

Dissemination among cities

Until Mid 2018

Replication of success stories

Alignment on EU-wide set of KPIs (including UN SDG)

Until Mid/End 2018

EIP-SCC
European Innovation Partnership on Smart Cities and Communities

[1)]The SCGP will be regularly updated.