



Action Cluster Citizen Focus 11/ 10/2017

- All citizens' voices, needs, concerns and capabilities starting and core points in Smart Cities and Communities
- There's a common gap between EU policies and EU citizens: trust. And this is also the case for smart cities policies
- Closing the gap: Citizens' Dialogue and empowerment



AN INCLUSIVE AND SUSTAINABLE CITY

Our two main goals as an Action Cluster

- Strenghtening local political support and commitment towards citizens centred and citizen's driven smart communities
- Providing cities with practical tools, guidelines and methods



3 +1 main Initiatives or

EIP-SCC Actions

Inclusive Smart Cities Manifesto & Ambassadors



- A Manifesto co-created with 70 stakeholders and signed by 123 organizations
- Manifesto goes local (available in 7 languages): selecting and engaging 10 cities through in-depth interviews
- 3 Ambassador Cities selected (Glasgow, Utrecht and Leeds) committed to share their best practises and disseminate the Manifesto nationally
 - **Goal** > 50 Mayors or their Delegates signing the Manifesto in 2017, 150+ in 3 years







CitizenCity SET Social Engagement Toolkit

Cities need to know what society wants, to know what to services to provide.

<u>CitizenCity brings existing social engagement resources and tools to cities in a way that makes them accessible and useful.</u>

18 webinars

- June 2 day workshop London (23 people, 7 cities, 8 countries)
- SharingCities and London GLA support
- October workshop with the City of Milan

Upcoming:

- minimum viable product 'field test' model
- Strategic planning for the project development



Citizen-centric approach to data: Privacy-by-design

- Gap: GDPR regulations entering into force May 2018 and Smart City Officers/Data Protection Officers need to address a series of concerns in different domains
- Goal: GDPR Compliance Guidelines under Preparation

Achievements

 Awareness workshop & Privacy impact assessment workshop, common indicators on GDPR compliance identified

Ongoing

- create of a body of knowledge and of common practices on GDPR compliance by proposing the same type of workshop to other cities/projects
- An ISO Standard

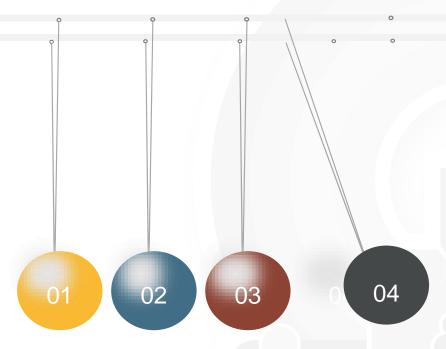
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Main challenges

- Integration with vertical issues as well as with SCC01 projects (ideally piloting AC CF Initiatives in synergy/within vertical Action Clusters)
- Visibility leveraging the new EIP SCC website and blog
- Resources_ Initiatives maturity level: ready for applying for public funding (EU or other) via calls for proposals/tenders as well as looking for partnerships with private sector



Our Development



Manifesto. A integrated value proposition for reachout .

A learningself GDPR
assessment Guidelines &
and decision Making tool.
Toolkit.

Piloting a specific engagement method via on line platforms: PB



A new Initiative Participatory Budgeting for Inclusive smart cities

- What priorities/vertical issues would citizens choose to focus on and to invest resources if asked?
- Goal: Support cities in piloting Participatory Budgeting to Smart Cities Policies through on line platforms



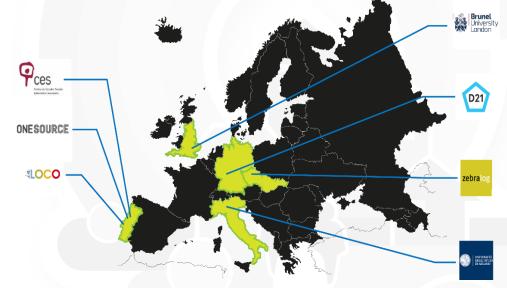




Setting up of a new Participatory Budgeting initiative for SCC

What is EMPATIA?

- EMPATIA is a CAPS Project (H2020/ICT-10-2015) that seeks to radically enhance the inclusiveness and impact of the participation of citizens by developing and making publicly available collaborative tools adaptable to different social and institutional contexts.
- Research on Digital Democratic Innovations and Participatory Budgeting;
- Collaborative platform for PB management;
- Pilot Cities in Portugal, Czech Republic, Italy, Germany;
- Dissemination of the key findings and the technology itself



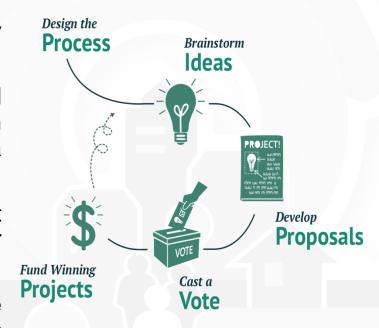
The EMPATIA platform is released as open source under a free license



giz IN ALL CONTINENTS TODAY WE HAVE PBs 3000 are those known **DIALOG GLOBAL** Participatory Budgeting Worldwide - an Invitation EUROPE to Global Cooperation TIRO No. 25 \bigcirc 174-25 NORTH 5.20 AMERICA UNITED STATES 2-10 SOUTH KOREA \$0-80 NEAR EAST & ARABIC AFRICA CHINA, THAILAND DOMINICAN REPUBLIC 60-130 ASIA PRANCOPHONE APRICA OTHER CARIBBEAN 40-120 40.70 CENTRAL AMERICA COUNTRIES OTHER SOUTH AMERICAN COUNTRIES AFRICA 66-110 LUS OPHONE AFRICA PERU BRAZIL 150 300 OCEANIA LATIN AMERICA 2-10 & CARIBBEAN 511-920 AUSTRALIA ANGLOPHONE AFRICA NEW ZEALAND SOUTHE TOTAL NUMBER OF WORLD PB: Source: Learning from the South, 2010, GIZ-Bonn 795-1469

Criteria to define PB

- 1) Explicitly discussing public expenditures;
- 2) Having a structured (not necessarily formally) deliberative procedure;
- 3) Coinciding with an institutional responsibility of the Local Authorities in charge for public budgeting, generally a Municipality;
- 4) Having some degree of co-decision that makes the outcomes of PB binding for public decision-making;
- 5) Giving feedbacks to citizens over the implementation of PB outcomes in public policies.





Popularity of PB

- History & Diffusion & Digitization
- Appeal (talking about money!)
- Structured Institutional Design
- Iteration and «rites» (foster its centrality with respect to other Dis)
- Exemplary tension between Patterns/Models vs Infrastructuring
- Interdisciplinary Literature



Collaborative Platforms for PB



















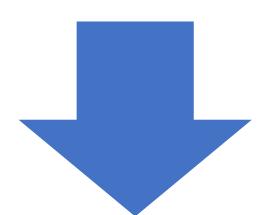


PB and **Smart** Cities

- to foster knowledge sharing drawing on EU and international good practices with focus on processes and challenges, skills and capacities which needs to be mobilized at the City Administration level, collaboration with local civil societies
- to disseminate existing on line platforms highlighting business models, their strenghts and weaknesses
- to explore methods and models of methods and models of integration between PB and other areas of intervention which are particularly relevant for Smart Cities
- to offer capacity building to cities interested into piloting PB in a Smart City framework



PB and Smart Cities: complementary approaches



PB as booster:
Applying PB in Smart City
domains to enhance citizen
engagement

PB as orchestrator:
Integrating participatory tools
and methods developed
within Smart Policies toward
a multichannel participatory
system

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A possible strategy for the PB initiative

PHASE I (2017 - 2018) - "Knowledge sharing and capacity building " -

- 3 webinars with focus on
 - Management of PB: role of local decision makers, city officials and the needed cross sylos collaboration within city administration
 - Collaborative platforms for PB and their features, strenghts and weaknesses
 - <u>From PB to Smart City</u>: cases and methods for participatory design of multi-channel processes (where PB interacts with other "smart" policies)
- 1 workshop/focus group titled "PB meets civic hacking: testing PB in Smart City contexts" with city reps actively promoting smart mobility/energy efficiency projects will be held to explore conditions and define possible use scenarios for a thematic-smart city application of Participatory Budgeting
- 1 Call for interest to scout Cities and communities interested in piloting PB for Smart Cities

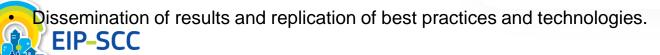
Expected Outputs:

- Memorandum of Understanding with at least 5 existing providers of services and developers of platforms for digital Participatory Budgeting
- Instant Book from the 3 webinars and the focus group
- Definition of scenarios of use of PB for Smart Cities and tentative definition of pilot cities for Phase II
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A possible strategy for the PB initiative

PHASE II (2019-2020) - "Piloting Participatory Budgeting for Smart Cities"

- We expect to enhance and provide initial support in piloting a PB experience in at core group of cities by 2020. The best case scenario would entail the launch of pilots in lighthouse cities and define best practices to reuse on a larger scale within the network.
- The detailed strategy for pilot implementation will depend by the capacity of the previous phase to engage key stakeholders in the institutional, scientific and technological domains:
 - Pilot design and municipality capacity building, including the definition of local steering multi stakeholder groups for each pilot
 - Technology adaptation to pilot, including the detailed definition of technological options for each pilot in relation to the market opportunities
 - Pilot implementation
 - Data gathering and evaluation





Towards Common body of knowledge and practice for GDPR Compliance

Antonio Kung, CTO, Trialog

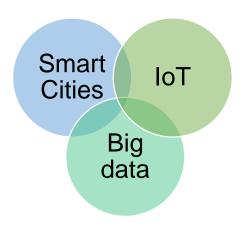
Chair EIP-SCC Citizen Approach to data: Privacy-by-deisign intiiative

Context

- PRIPARE commitment 7001
- Liaison category C ISO/IEC JTC 1/SC27/WG5
 - Editor ISO 27550 Privacy Engineering
 - Rapporteur Study period Privacy in Smart cities
- Initiative
 - GA 2015 Berlin: proposal for initiative
 - Nov 2015. Action Cluster meeting Brussels
 - April/May 2016. Two webinars on privacy for smart cities
 - GA 2016 Eindhoven: proposal for workshops in GDPR compliance
 - April 2016/Sept 2016: . Espresso webinar / ERRIN workshop
 - Nov 2016. Action cluster meeting Brussels
 - March 2017/July 2017 : Sharing cities PIA workshop
 - October 2017. Action Cluster meeting Brussels
 - GA 2017 Brussels: proposal for sharing GDPR compliance practice



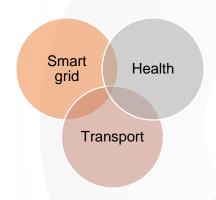
Cities must Manage Ecosystems



Ecosystems

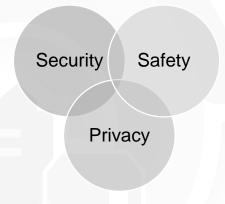






Domains

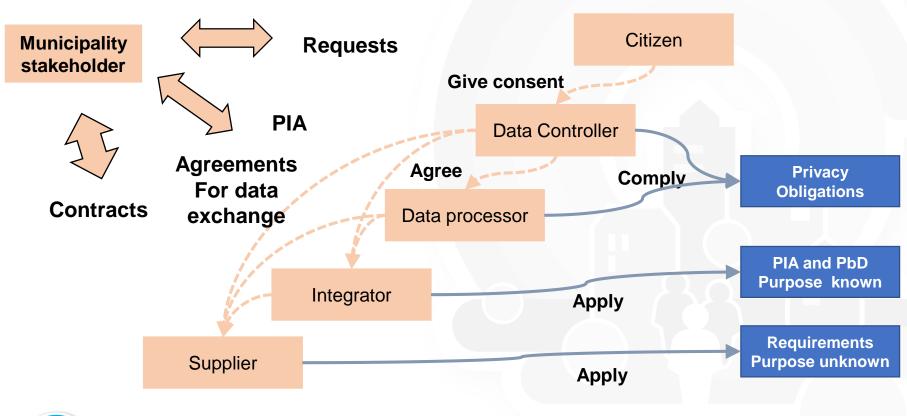




Concerns



Cities must Manage Ecosystems





First Workshop London - March 2017

- SCC Sharing Cities Project
 - London, Milan, Lisbon + Bordeaux, Warsaw, Burgas
- 15 attendees

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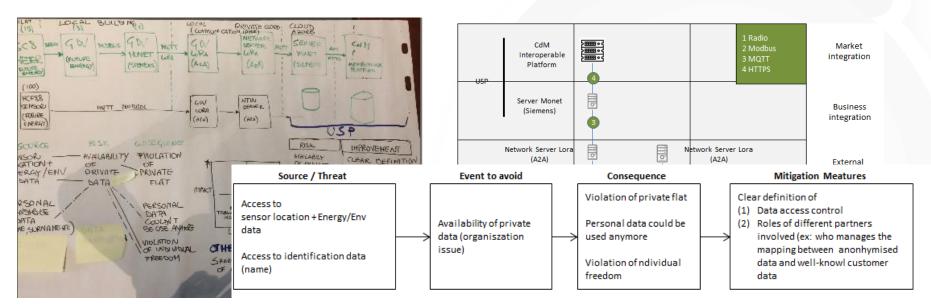
- managers and data protection officers
 - GLA, Royal Borough Greenwich, Lisbon and Milan
- Focus
 - understanding privacy compliance and impact on project use cases
 - London use case
 - Milan use case
 - Lisbon use case
- Conclusion (Report available)
 - carry out common privacy impact assessment practice in a subsequent workshop.

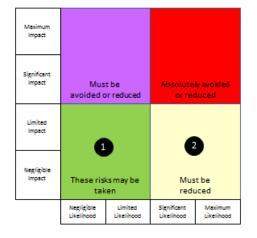
Second Workshop Milan - July 2017

- Privacy Impact Assessment Workshop
- 34 attendees
 - managers, data protection officers and suppliers of applications representatives
 - Milan, GLA, Greenwich, Lisbon, Burgas.
- Four applications:
 - building retrofit (Milan),
 - bike sharing scheme (Lisbon),
 - smart energy management system (Greenwich),
 - lamppost (Milan).
- Results
 - Four privacy impact assessment canvases



Example PIA canvas: Building Retrofit Milan







2 Organisational issues

Issues

 SharingCities common definition of risk and risk sources



Conclusion of Milan Workshop

- Insight on privacy impact assessment process
 - need for a common list of risks,
 - need for guidelines to assess a given level of risk,
 - necessity to integrate alternate design approaches when data subject consent is not provided,
 - need for a data collection strategy when multiple applications are anticipated.
- SharingCities first project taking consortium level action to build common understanding
 - Italian data protection authorities very positive
- Recommendation
 - Create of a body of knowledge and of common practices on GDPR compliance.
 - · Higher level measures
 - GDPR compliance helpdesk
 - H2020 guidelines for GDPR compliance
 - Consortium concertation instruments involving data protection authorities.

Create of a body of knowledge and of common practices on GDPR compliance.

- Workshop to be proposed to projects
 - Light house projects
 - Others
- Results and practices are shared
 - Win-Win
 - GDPR compliance is for May 2018
- Objective
 - At least 5 workshops





Towards General Data Protection Regulation Compliance

Privacy Workshop for Cities

Workshop facilitators

TRIALOG Antonio KUNO Paris and Harv

Antonio KUNG, CTO of Trialog, has 35 years' experience in ICT. An Ecole Centrale Paris and Harvard University graduate, Antonio has focussed on privacy since 2007, leading a number of European projects on the topic, including PRIPARE (pripareproject.eu) a support action on privacy-by-design. Antonio is the chairman of the Citizen approach to data: privacy-by-design initiative of the European Innovation Platform – Smart cities and communities. Antonio is also the editor of ISO/IEC 27550 Privacy engineering as well as the rapporteur of two ISO/IEC SC27/WOS Study periods: Privacy in smart cities and Privacy guidelines in the IoT.

Urban DNA

Antony PAGE is a recognised cities services expert, with over 20 years' experience working across legal services, governance, transformation, efficiencies and innovation with most local public services (including City Authorities, Health, Probation & Police), and public-facing private sector services (BPO, transformation, services to business, digital by default). A Kiwi by origin, he has worked internationally (EU, US, and Australia), and has a deep UK knowledge (over 30 UK Local Authorities). Antony is responsible for customer engagement and leads UrbanDNA's BlueRoom projects and leads Data Privacy policy for the H2020 Sharing Cities censerium.

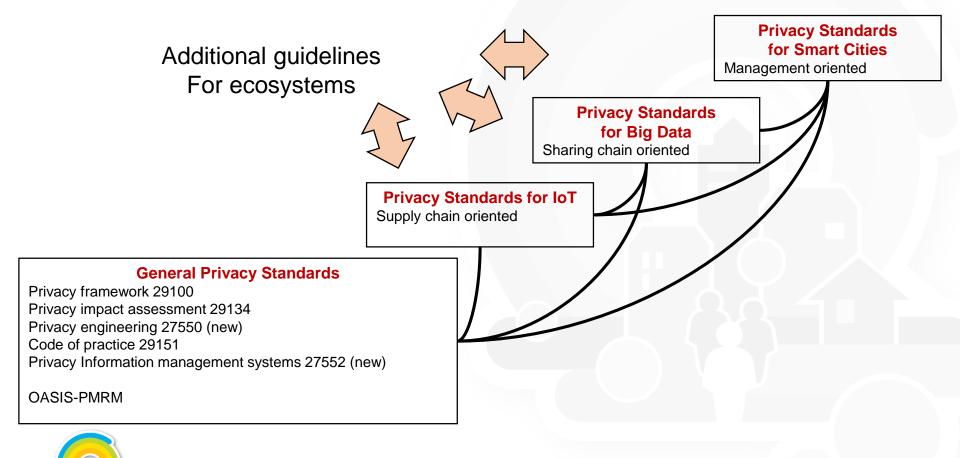
	cities consortium.					
About this workshop	The objective of this 2-day workshop is to help cities prepare for GDPR compliance. The workshop will carry out a privacy analysis of applications which a city is considering for deployment.					
Outcome of this workshop	The result of the workshop will be a mutual understanding of what it will take to achieve GDPR compliance and a strategy or plan to follow. A privacy impact assessment (PIA) will be undertaken for up to 5 applications utilising a PIA canvas .					
Participant profiles	The workshop preferably includes a representative number of stakeholders involved in the management, development and operation of a city application:					
	City authorities and operators of applications to be deployed Supplier Chain (infrastructure, applications, platforms, devices, etc)					
	The workshop can involve the analysis of up to 5 applications					
Content	Day 1 Briefing on privacy and GDPR compliance Briefing on privacy impact assessment process Presentation of city applications and/or use cases (up to 5)					
	Day 2 Presentation of privacy impact assessment canvas Breakout session for each application Debriefing for each application Discussion on next steps					
Organisation and cost	The workshop is organised by a city. The workshop can involve several cities. Two workshop facilitators will be involved. Travel expenses plus facilitating fee to be covered by the organiser					

н	Ca	n	ta	c

Antonio Kung, Trialog. antonio.kung@trialog.com

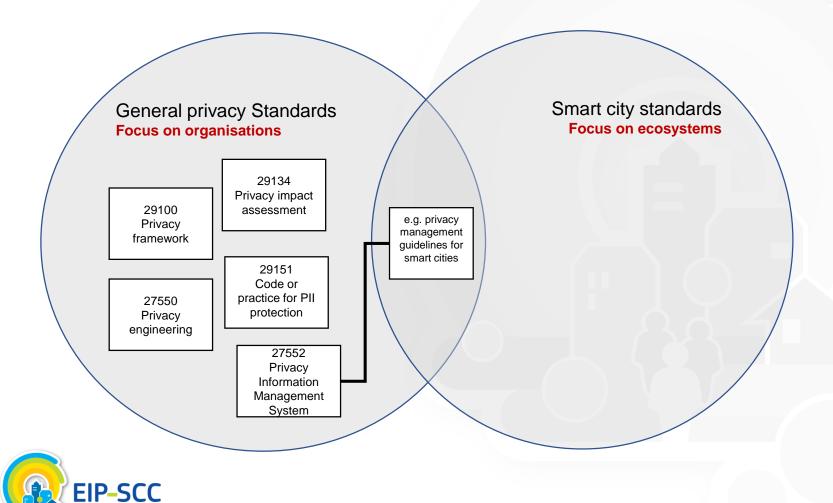
Antony Page, UrbanDNA. antony.page@urbandna.eu

Impact on Standardisation



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Potential for new standard





CitizenCity: Social Engagement Toolkit



Project Background

CitizenCity SET (Social Engagement Toolkit)

CitizenCity, an EIP-SCC initiative European Innovation Partnership for Smart Cities & Communities

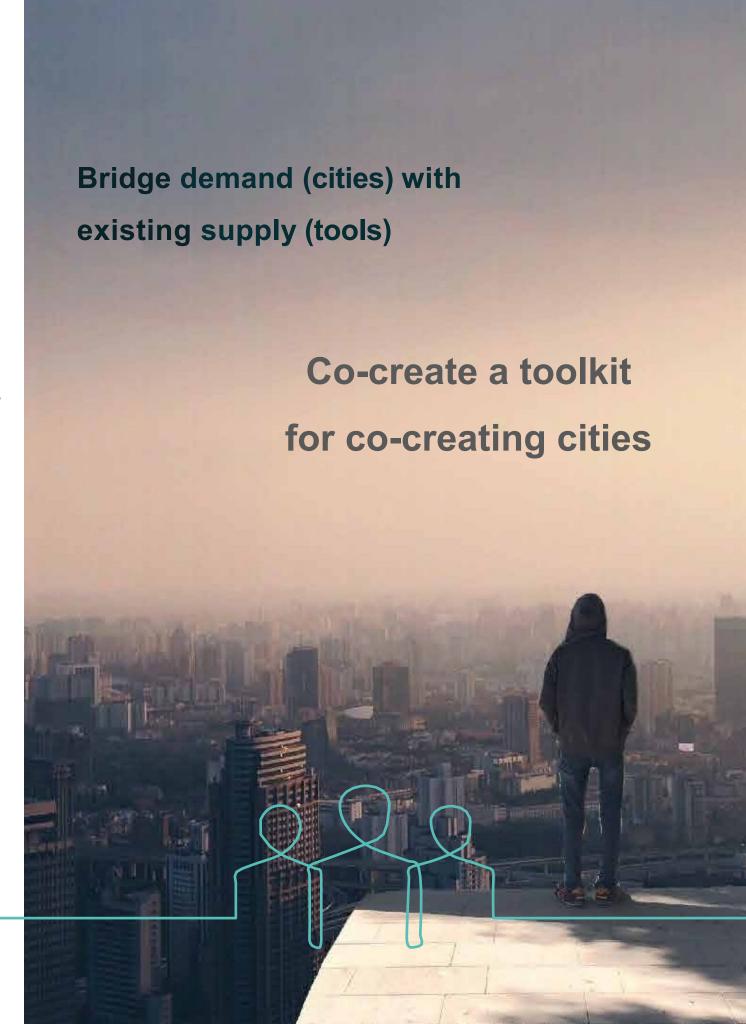
Volunteer support

- Core leadeship team
- Engaged networks; academic and research, public and private sector, social innovation and knowledge field, city networks and EC level

Implements "European Manifesto on Citizen Engagement"







CONTEXT

EIP-SCC Building "European Innovation Partnerships"

Collective challenge = collective opportunity

Social engagement enable project success

Objectives today

Present "City Field Testing" phase of SET

- Share and test initial thinking
- Harvest some content on your project
- Have a productive and open discussion

- > Identify case to field testing CitizenCity SET
- > Contribute your Best-Practice tools



1st Year Ambition

Practical, value-adding, & easy-to-use Toolkit

Used by 50 cities (large and small)

50 great tools

Solid structure / frame (but evolving)

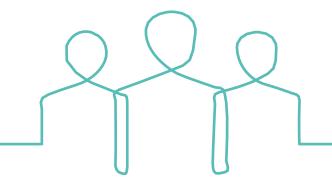
Networked community of users & supporters

Understand how/why cities pick/use tools

Funded and resourced







Landscape

City convergence

Digital world / Social change City growth Government role

Smart City

Promises made, now see people as key

Co-creating cities

No lack of technology or learning Poor 'connection' to supply of tools

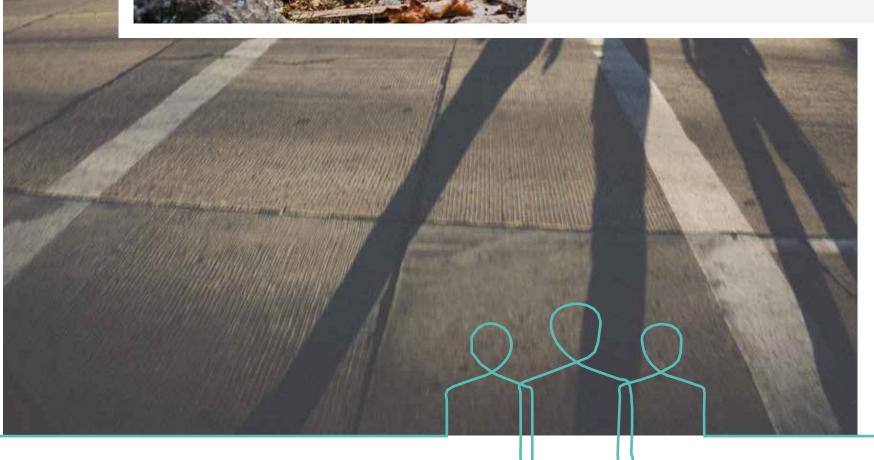


135

experts from 32 countries collaborate on the EIP-SCC's

European Manifesto on

Citizen Engagement.



Iterative (lean) development approach

- 1. Learn / Build in workshops
- 2. Measure from field testing

Repeat => evolve & grow



	Pre-workshop Feedback	Workshop 1 & 2	City Field Test	Workshop 3 & 4	City Field Test	Workshop 5
	May-June 2017 refine idea, develop base	June-Aug 2017 develop working beta	Sept-Dec 2017 test beta	Jan-Feb 2018 refine & build-out	March-June 2018 validate & refine	July-Sept 2018 fine tune
Framework terms and 1 hierachy that capture excellence	Draft	Define comprehensive and diverse set terms	Test-fit & refine terms	Create lens/archetype	Make useable	
2 Tool details for implimenta	tion Draft	Review draft	Collect field data	Create detailed tool format	Test-fit & refine	Expand and validate
Additional conditions matching city to tools	Draft	Review draft	Test-fit and collect data	Create detailed set terms	Test-fit & refine	Expand and validate
1 KPI from city and social perspective	Draft	Define comprehensive and diverse set	Test-fit & refine	Expand and validate	Test-fit & refine	Expand and validate
Ensure toolkit is usable bas on needs & habits	ed Draft	Review draft	Collect field data	Define user experience/story	Test-fit & refine	Expand and validate
1 Tool collection	Draft 20	Refine top 20 tools with consistent format	Test tools and add 10/mo	Build synergies, expand categories	Test tools and add 10/mo	Expand and validate
2 Tool details for understand	ing Draft	Review draft	Test-fit & refine	Define standards	Test standards and refine	Validate
2 Assesment methods	Draft	Review draft	Test-fit and collect data	Create detailed set terms	Make useable	Validate
3 Digital	Tool multipliers	Ideas	Test ideas	Detail beta	Test beta	Test-fit & refine

Pre-workshop Preparation

Network Development

- Academics
- Cities
- Industry
- Society
- Thought leaders

Solution Validation

- Cities as users
- 'Tool' makers issues
- Key ideas checked

Feedback Presentation

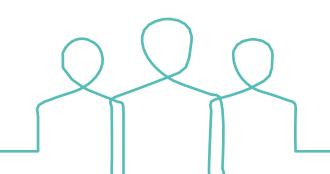
- 18 times
- In person and web
- Cities, academics, orgs

Toolkit Function

- Elements defined / refined
- Populated with sample framework and tools

Team and Planning

- Core team and future team
- Network of advisors
- Funding models
- Development principles



Design Workshop

Summary

- Series of pan-European events
- 2 days each
- 40 cities + 40 others (goal)
- Finish with working toolkit
- Field test in cities after workshop

City Authorities

(how they understand & use citizen engagement)

- Definitions and meaning matter
- Alpha toolkit to stimulate conversations
- Strong facilitation & guest list

Diverse Perspectives

- Resolve complexity
- Build robust scalable platform
- Address stakeholder needs & habits



London Design Workshop – June 15/16

23 people

- 7 city authorities
- 8 countries
- Academic Industry Social
- Strong facilitation

Key output

- How cities understand citizen engagement
- How cities want to use toolkit
- How tools are applied in cities
- What need toolkit fills
- CONTENT to build prototype toolkit!

Key Guests

- Nesta
- Future City Catapult
- Sharing Cities (London/Milan)
- Wikimedia Germany (comm dir.)
- Smart.London
- Cisco
- SME
- Urban planners

SharingCities sponsorship

Facilitation Team (volunteers)

- Marie-Helenn Elleboudt Faciliyo
- Liesbeth Scholten FreeUp
- Jose Barco Community Colab

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City Field Test – next step

WHY

Enable success of city project by aligning with needs and habits of society

HOW

Define a framework for shared understanding Assess capacity and goal setting

WHAT

Research and analysis
Tools and workshops



CitizenCity SET (Social Engagement Toolkit)

Three components:

1 Organizing Framework sense making

Assessment match city-tools

Tools add value

Digitized in time



3 framework examples

Why?... communication among cities

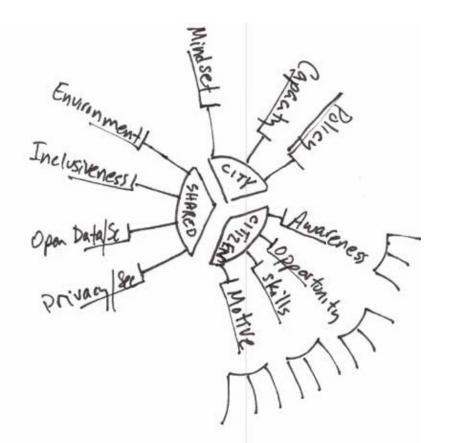
A common definition to aid communication amongst cities

Structure and hierarchy – a taxonomy

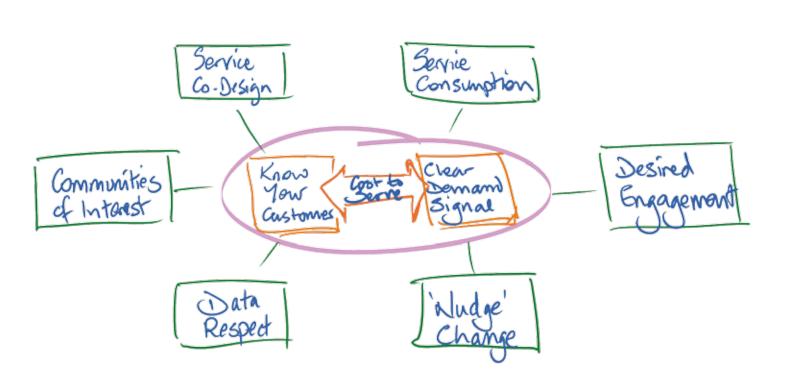
Place holder to hang tools

Terms fill the structure to define and capture excellence in citizen engagement. Different approaches are possible.

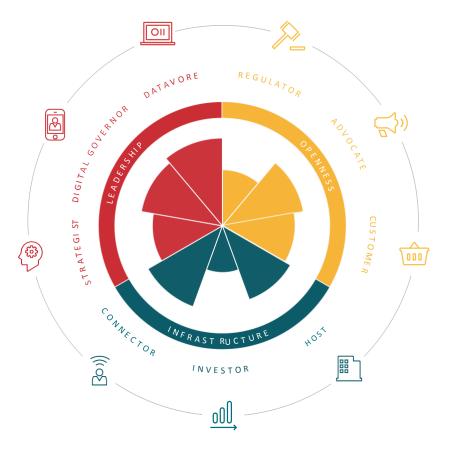
SCOPE based



PRINCIPLES based

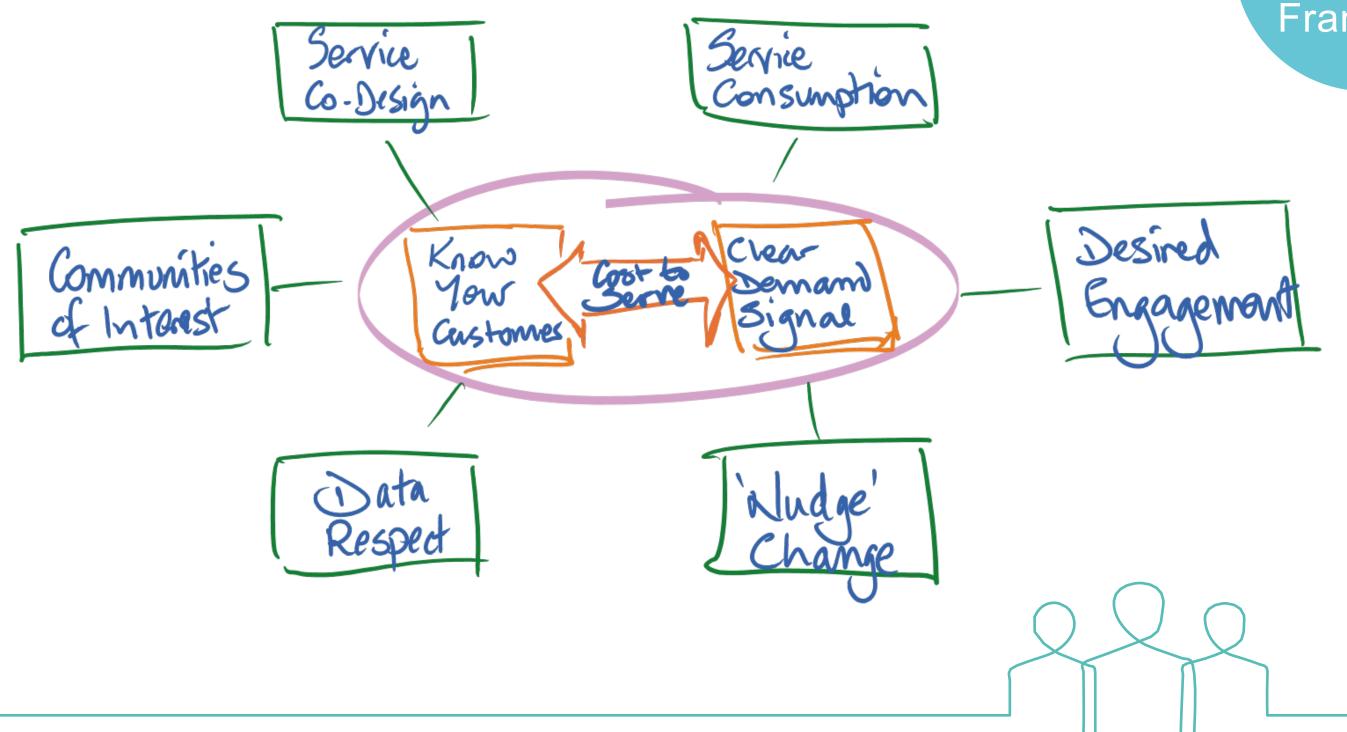


PERFORMANCE based

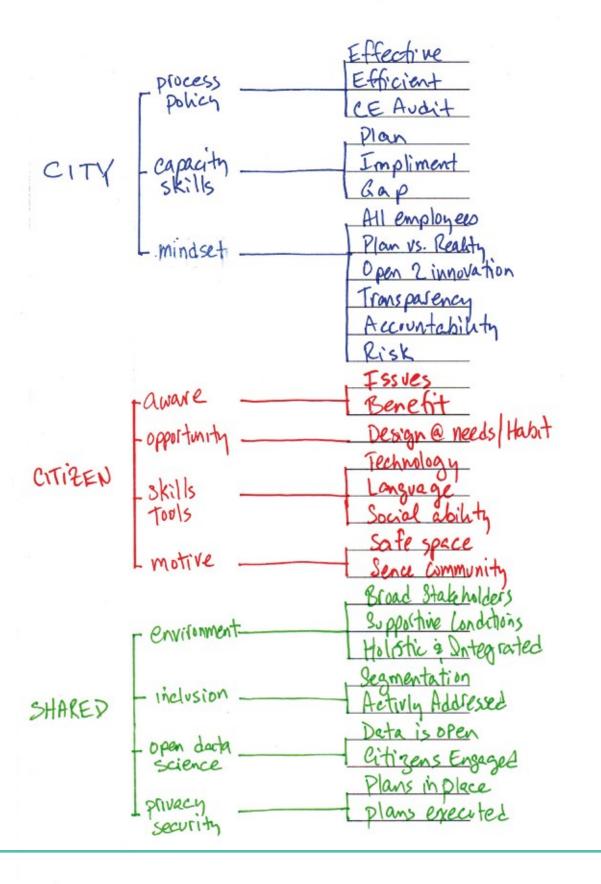


PRINCIPLE based

Organizing Framework



SCOPE based



Organizing Framework





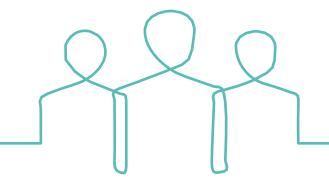
Reasons for assessment

Understanding where cities are at

Identify gaps & set priorities

Select tools appropriate to situation

Digitize (in future)



An example case in use...

Source:

Making cities smarter
Guide for city leaders:
Summary of PD 8100

bsigroup.com

2 Assessment

Component	Characteristics	Maturity assessment
Leadership environment	Providing a strong city leadership network that advocates a common vision; operates as an effective leadership team; role-models open transparent style; sets priorities; creates and maintains a coherent roadmap; and ensures city success.	1-Lagging 2-Developing 3-Competent 4-Progressive 5-Excelling Current assessment +2 year ambition
Customer/ Stakeholder focus	A city that is built around its citizens, business community and visitors (as key stakeholders/customers); that truly understand them; engages them in an open and transparent relationship; and proactively ensures their active contribution to progress.	Action plan
Service enablement	Providing the enabling context for success: including policy, planning, common protocols; means of collaboration; capability/capacity management; financing; business models; procurement processes; and an underpinning operating model.	
Service delivery	Offering and managing quality services to city stakeholders, through direct or indirect means. Selecting the most appropriate business models and delivery agents (including society) to deliver most efficiently and effectively.	
Digital asset management	Exploiting the power of open data sharing and modern technologies (e.g. social media, analytics, mobile, cloud computing, sensors) through investment in and management of digital assets; including respect of privacy and digital abilities.	
Physical asset management	Inventorizing and exploiting physical assets; for multi-purpose; managing life-cycles and investments; integrating physical and digital assets; complete capture and open sharing of asset information.	
	Setting appropriate goals and targets; establishing measures and monitoring practices; ensuring a performance culture; predictive use of data; robust public value measurement; open reporting of value to stakeholders.	

Engagement Tools

Key elements:

Basic profile – what the tool is for

Matching (101, 201, 301)

Project / engagement challenge

City profile (character, resources...)

Implementation details – 'how to' guide

Capacity building in cities

Open & evolving

An example of common use...

Town hall meeting

Event where politicians talk with constituents

3
Tools

Hear on topics of interest

Discuss specific upcoming legislation or regulation

Venue for protest and active debate

Need not take place in a town hall

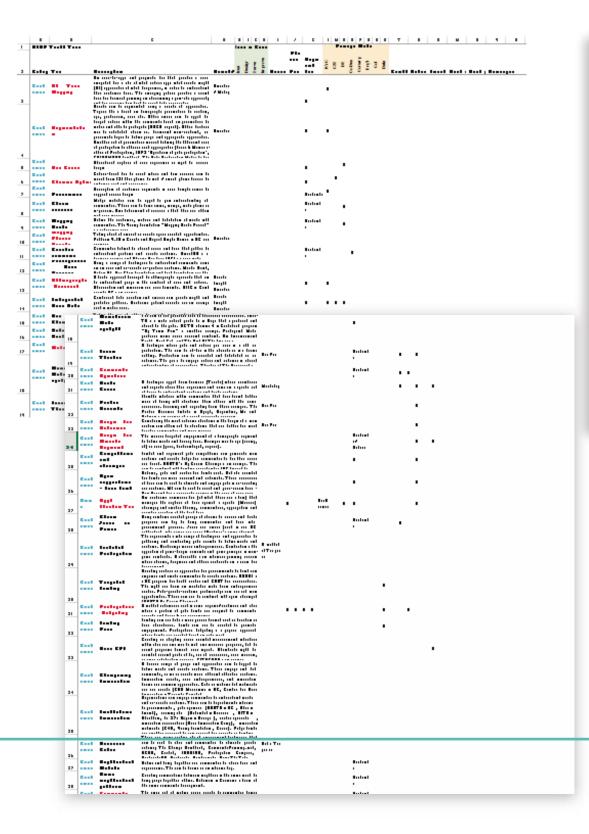
Experimented with digital formats

No specific rules or guidelines, but often follow local customs

National politicians hold in variety of locations to reach larger

proportion of constituents.

Engagement Tools List





Introduction

Name: TransformCity
Website: www.transformCit
Location: Amsterdam, The N
Business profile: SME based
Amsterdam Southeast @ZO!
Contact: Saskia Beer info@t
Overview: TransformCity is a
urban planning and develope
storytelling, interactive map
businesses, organizations an
collectively plan, improve an



CitizenCity Engagement Tool



troduction

Name: Fidecity Website: Fidecity.eu Location: Brussels

Business profile: Smart City consu Contact: Frank Van Steenwinkel – Overview: Citizen engagement us process to use the citizen general the process to make a city smart networks.





Citizen Engagement Tool

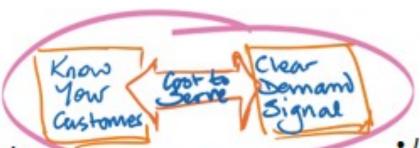
Introduction

Fidecity

- 1. Name: Momo Kapor Square
- 2. Website: www.blok74.org Link to the Momo Kaper Square project: https://www.blok74.org/momo-kapor-square
- 3. Location: Belgrade, Serbia (location of the project)
- 4. Business profile: Blok74 | urban gaming | built environment, Rotterdam, The Netherlands
- 5. Contact: Ir. Milena Lykovic, MSc Ar:h urban planner and gamification designer, +31 6 2476 1038, mic@blok74.org, www.blok.74 org



Mapping tools to framework



- SI Tools Mapping
- Segmentation
- Ethnographic research
- Surveys
- Town Hall meetings

- 6-
- Participatory Budgets

Channel Optimiser

Map Physical Assets

- Use Cases
- Social media analysis

- Design for Extremes
- Spigit Ideation Tool
- Competitions
- 3D Visualisation

Service Co-Disign

- Public access points
- Data Analytics
- Service \

Consumption Personae

 Design for Minority Segments

Community Centres

Communities of Intanst Your Cost to Clear Domand Signal

Organizing

Framework

Desired Engagement

Tools

What's Missing from / Wrong with model?

- · Communications missing?
- Kill 'Desired Engagement'?
- Performance mgmt. missing?



- · Data Mamt Strategy
- Consent tools

'Nudge' Change

- Digital Displays / comms
- Value incentives

Your project

Where is this happening

What do you want to achieve

Who in team is involved in SE

How is the project success defined



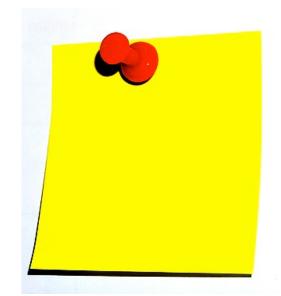
Framing social engagement

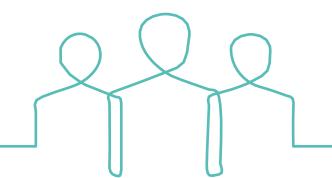
1 Organizing Framework

Define your social engagement needs

Use existing frameworks(s) or your own words

Okay to consider related-narrow-broad issues





Assess status

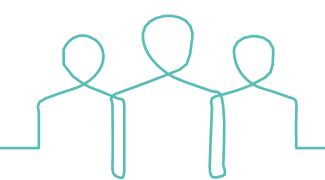
2 Assessment

Evaluate the current status of framing topics (all or partial)

Beginner – not much done

Intermediate – active and growing

Expert– knowledgeable and experienced



Goal Setting

2 Assessment

City Wide

- 1. Set 2 year goals (or)
- 2. Select priorities

Project Focus

Select priorities



Engagement Tools

3 Tools

Working

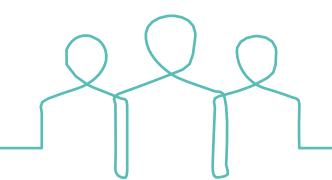
For you (or) your network

Deciding

Who makes decision and why

Fitting

DNA of project/city that makes/breaks a good fit



User Needs & Habits

Who has these needs

Where is the greatest need

What are the real needs

What do they need to accomplish

Current learning / locating

How is this done
What are the weakness



Understanding SET

What is S.E.T.

How would you define it



Helping EU cities to transform around societal needs

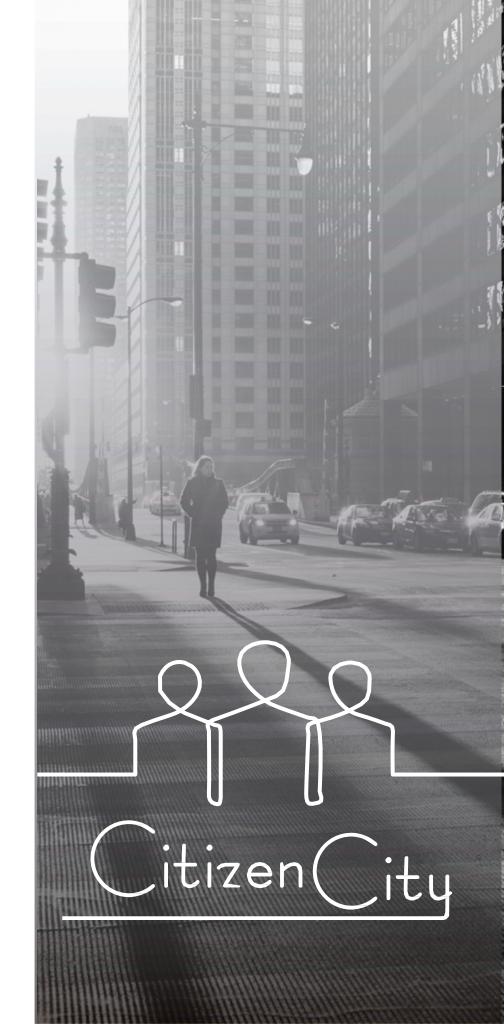
Work directly with city authorities

Support SCC01 and other funded projects

Collaborate for new funding: EC, national, project calls

Check out

- 1. Meet expectations
- 2. Accomplishments today
- 3. Good advice





Founding Assumptions

1) Core values

Consider long-term complexity early

Act tactically, think strategically

Citizens-solutions not cities-problems

Build scalable sustainable model

Useable for diverse cities

Design for city-as-user needs/habits

2) Bridge supply-demand

Need/solutions exist

Environment not exclusive or end-date

Co-create in workshop to engage supply/demand

Engage stakeholder/advisors to ensure impact/takeup

Iterative development with cities

3) Designers role

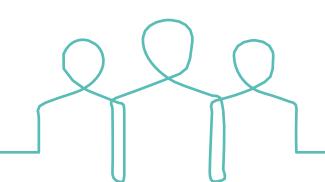
Important to involve

Taxonomy leadership

Service design

User experience

Facilitate co-creation



GET CRAZY

Be Brave! Think different.

Here's to the crazy ones, the misfits, the rebels, the troublemakers, the round pegs in the square holes... the ones who see things differently -- they're not fond of rules... You can quote them, disagree with them, glorify or vilify them, but the only thing you can't do is ignore them because they change things... they push the human race forward, and while some may see them as the crazy ones, we see genius, because the ones who are crazy enough to think that they can change the world, are the ones who do.

STEVE JOBS

GET NAKED

Be Mindful! Life is short make the most for you and others.

Mindfulness means paying attention in a particular way: on purpose, in the present moment, and non-judgmentally.

KABAT ZINN

GET HIGH

Technology and learning are not barriers. Be thoughtful, curious and

We cannot solve our problems with the same thinking we used when we created them.

EINSTEIN