



General Data Protection Regulation – Are you up to speed?

Antonio Kung





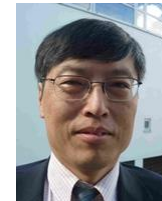
Antonio Kung

- 30-year experience ICT
- Coordinator PRIPARE
 - Support action Privacy-by-design
 - Commitment 7001
- Active in standardisation
 - Editor ISO 21876 Privacy engineering
 - Started August 2016 – Target 2019
 - Co-rapporteur ISO SC27/WG5 Privacy in smart cities
 - Started October 2015
 - Participant ISO 20547 Big data reference architecture (2017)
 - Started 2016 by ISO WG9 – Transferred to SC27 in March 2016



Initiative

- Citizen Centric Approach to Data –Privacy-by-design
 - Snowden revelations
 - Something must be done to protect a citizen's right to privacy
- Initiative leaders
 - Antonio Kung (chair)
 - Chris Cooper (co-chair)





GDPR: General Data Protection Regulation

Published on May 4th 2016

Enter into force on May 24th 2016

Apply on May 25th 2018

- Privacy-by-design (PbD) and by-default
- Privacy Impact Assessment (PIA)
- Data Protection Officers
 - All public authorities and companies processing personal data on a large scale
- Sanctions for breaches
 - up to 20,000,000 EUR
 - up to 4% of the annual worldwide turnover



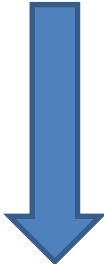







Concerns for Privacy Management

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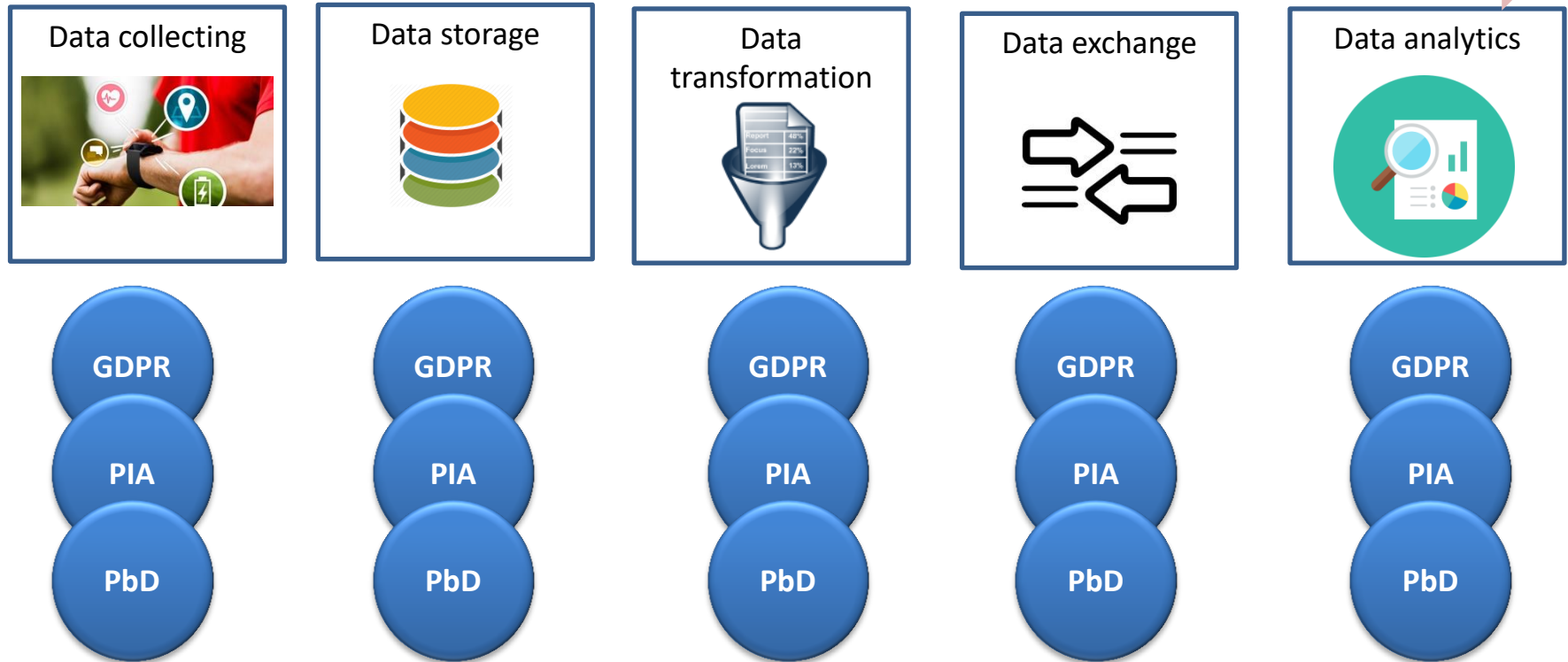
Stakeholder Concerns on Privacy

Stakeholder			Legal Compliance Level	Management Level	System Lifecycle Level
<div>Demand side</div> <div></div> <div>Supply side</div>	Policy maker 	Compliance			
	Operator Data Controller 	Compliance requirements Regulation	Compliance Requirements Privacy Impact Assessment	Compliance requirements Privacy-by-Design	
	Operator Data processor 				
	Supplier 	e.g. Operators Requirements			



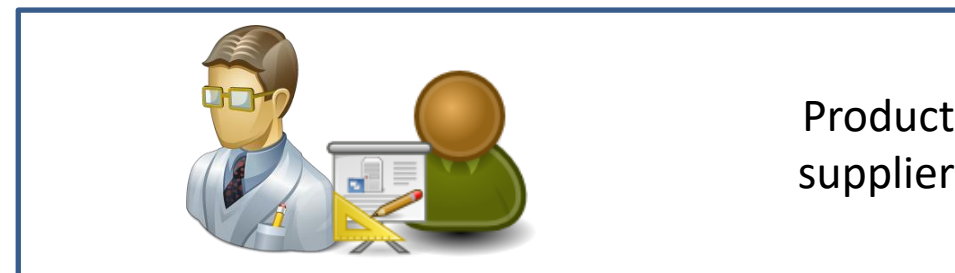
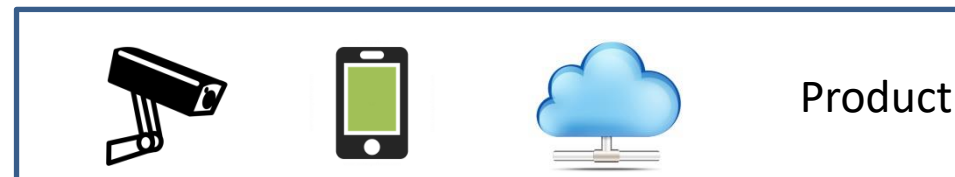
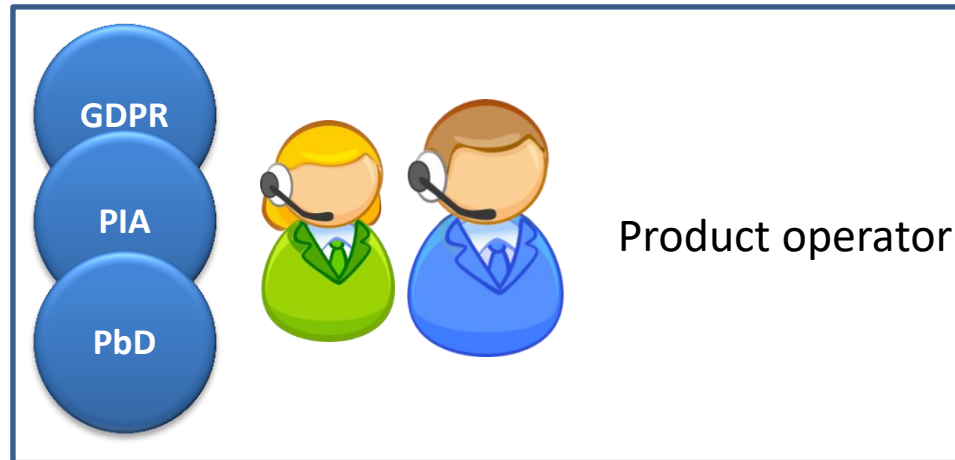
Example Big Data: City Viewpoint

Chain of operators





Operators vs Suppliers





Supply Side Concern



Smart City Application
operator

GDPR

PIA

PbD

Sensor



Device



Smart
device



Cloud
solution



Purpose
unknown

Small operator
VS big operator

Electronics



Security
module



OS



Middleware



GDPR
?

PIA
?

PbD
?

Supply Chain



Discussion

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Proposal for Support

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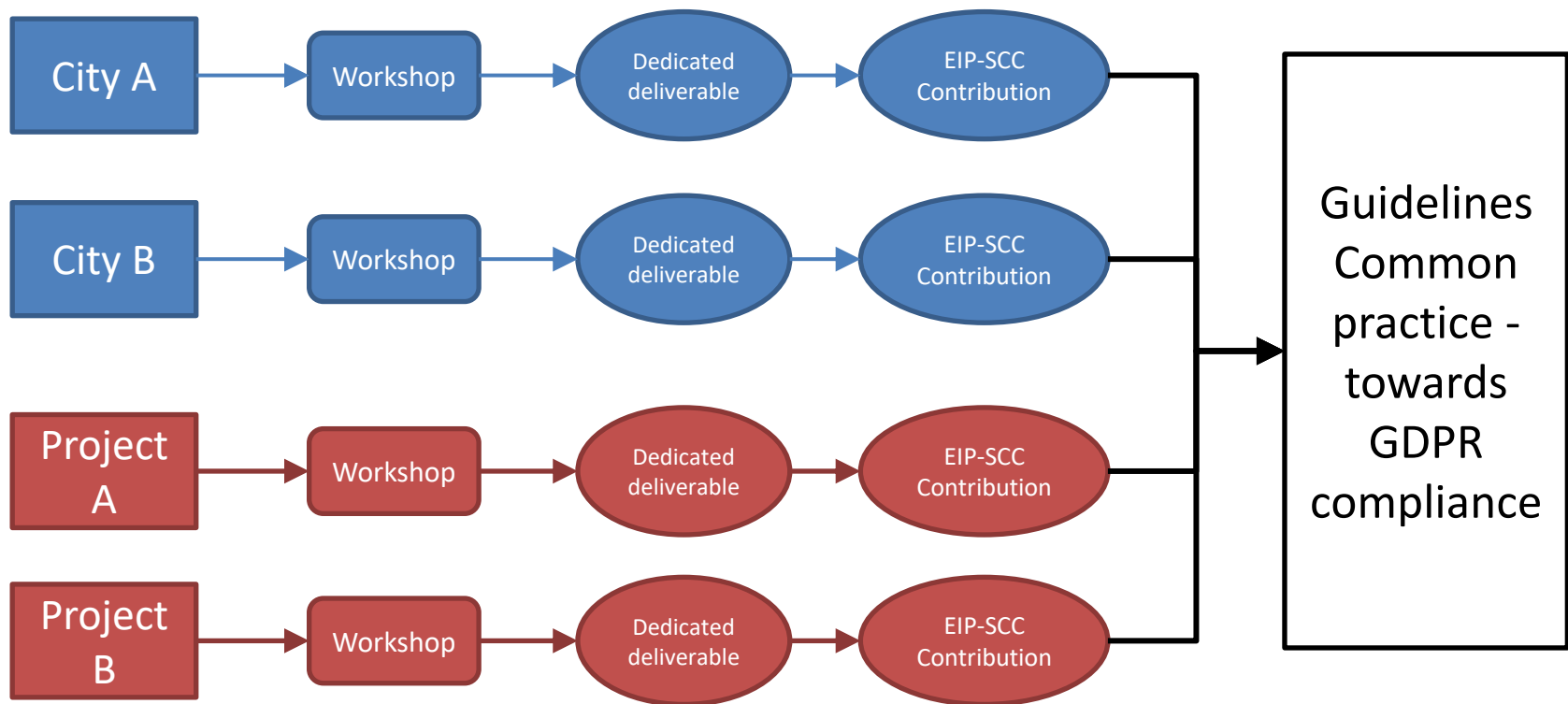
Recommendations

- Reuse current standards and practices
- Practice and Learn
- Establish common guidelines



Proposal: Dedicated Research Workshops

- Identify a number of cities and projects that are willing to participate to the programme





Possible Workshops

- Privacy Management Plan

WORKSHOP FORMAT

THE WORKSHOP CONSISTS OF 4 STEPS

- Step 1: half-day briefing on privacy management
- Step 2: half-day discussion on the selected ecosystem initiative (e.g. Smart city)
- Step 3: one day discussion on example use cases
- Step 4: analysis and presentation of report on privacy management requirements

- Application Privacy-by-design

WORKSHOP FORMAT

THE WORKSHOP CONSISTS OF 4 STEPS

- Step 1: half-day briefing on privacy management
- Step 2: half-day discussion on application
- Step 3: one practicing privacy management
- Step 4: Providing a practice report



Privacy Management Plan Workshop

CONTENTS

Day One



Discussion on the ecosystem

- Structure
- Today privacy management practice
- Discussion on role and duties for privacy management

Briefing on privacy management

- Introduction to privacy
- Meeting privacy regulation
- Implementation of privacy impact assessment
- Implementing privacy-by-design and privacy-by-default

1.

Day Two

Discussion on use cases

- Presentation of use case 1 and use case 2
- Applying demand side viewpoint to use cases
- Applying supply side viewpoint to use cases
- Discussion on resulting privacy management requirements

3.



Privacy Management Plan Workshop

Contribution to report

Presentation
Joint
EIP-SCC
Smart
City
Report



ECOSYSTEM PRIVACY MANAGEMENT REQUIREMENTS RECOMMENDATION REPORTS (*report structure*)

- Brief description of initiative ecosystem (e.g. smart city)
- Introduction on the need for a privacy management plan
- Assumptions about city stakeholders roles and duties
- Example of use cases
- Recommendations for a privacy management plan



Timeline and Resource

- Next 6 months
 - Enrolment and agreement on content
 - Participants
 - Smart city and smart city projects stakeholders
 - EIP-SCC citizen focus experts
 - EIP-SCC and support actions facilitators
 - Resources for workshop expense
 - Smart cities
 - Smart city projects
 - Support actions



Discussion

http://www.trialog.com/wp-content/uploads/2016/03/TRIALOG_Catalogue_Privacy-Offer5_EN.pdf

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