



General Data Protection Regulation – Are you up to speed?

Antonio Kung





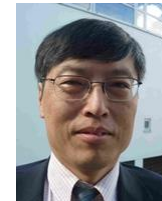
Antonio Kung

- 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



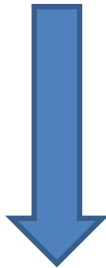







Concerns for Privacy Management

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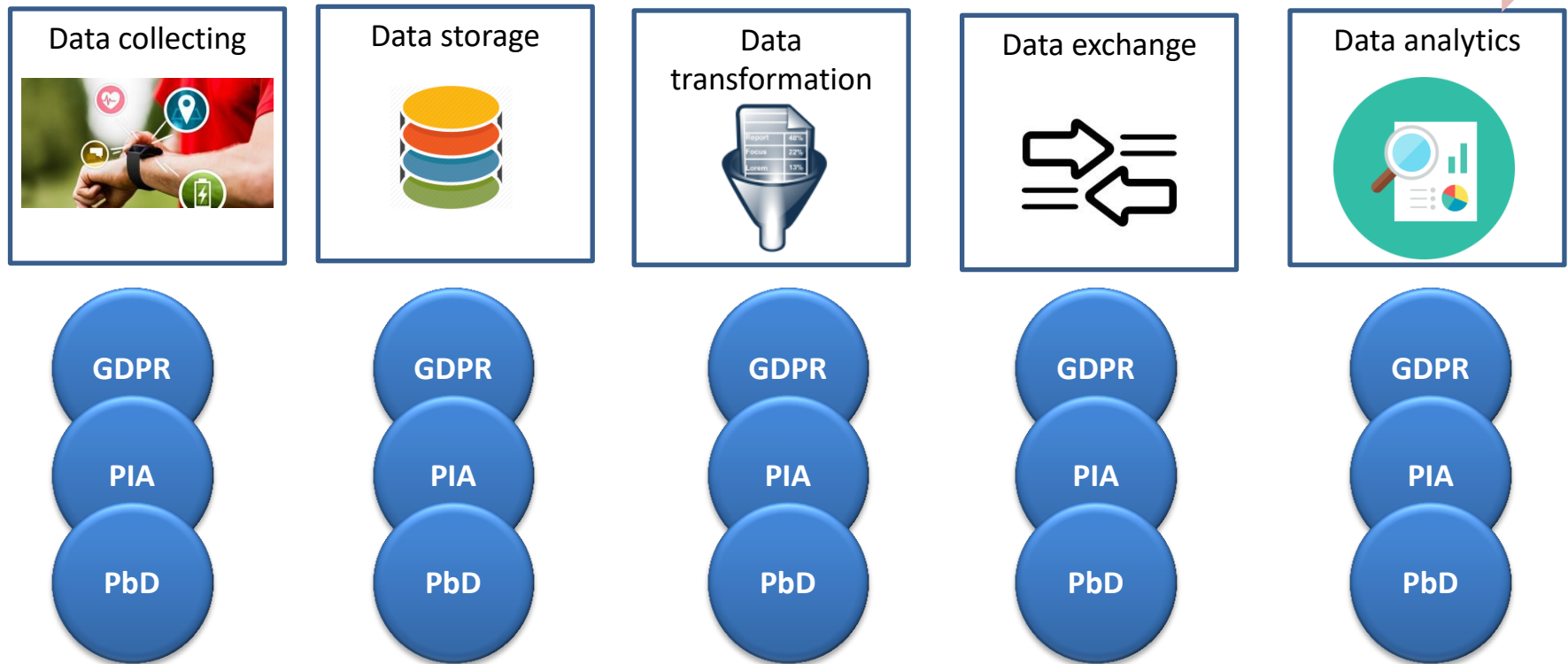
Stakeholder Concerns on Privacy

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			



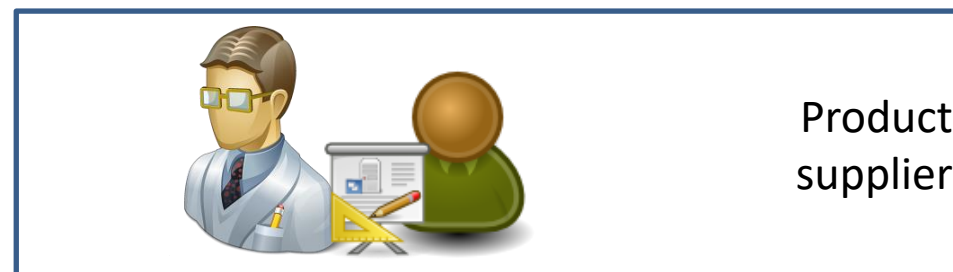
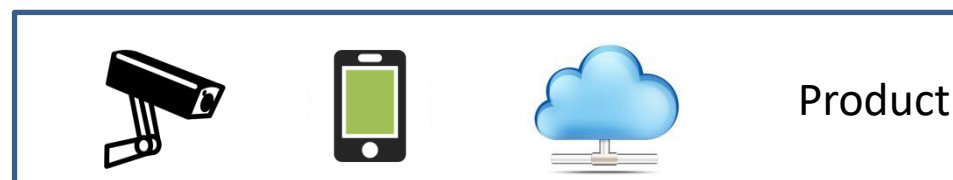
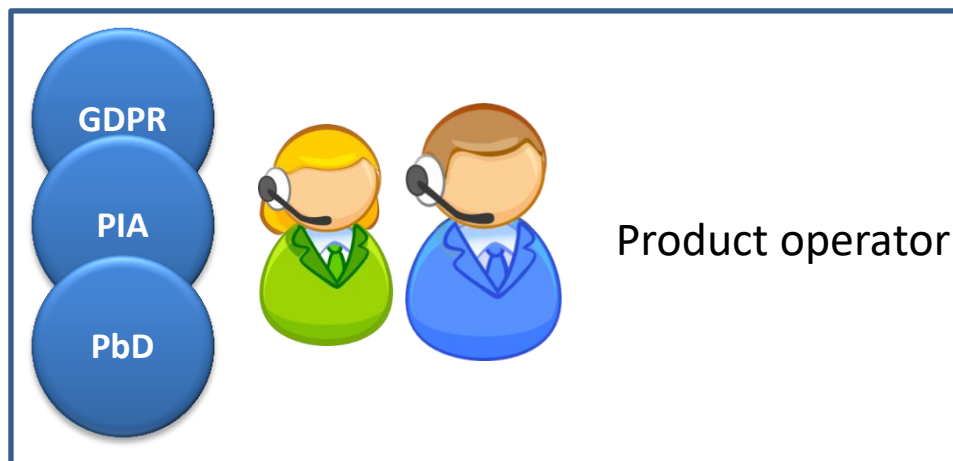
Example Big Data: City Viewpoint

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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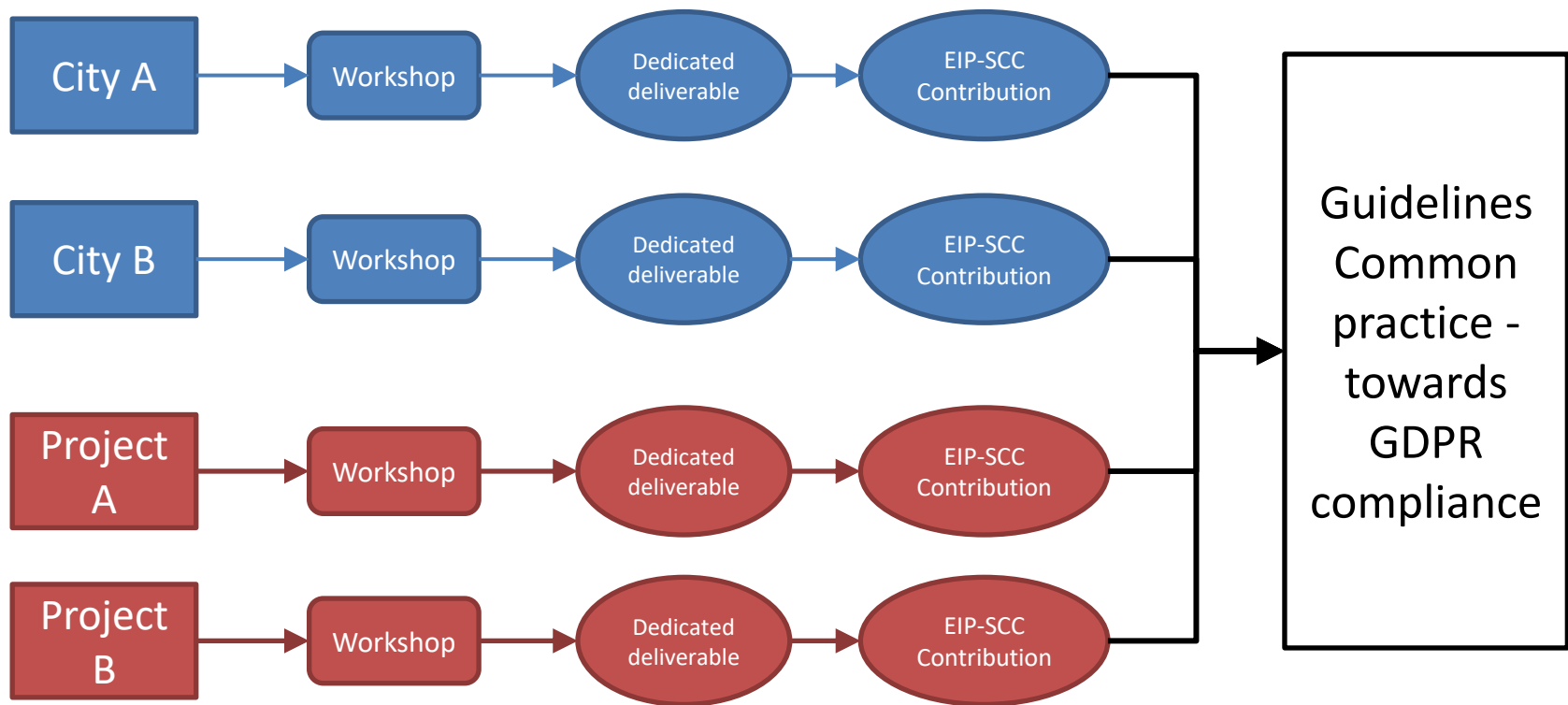
Recommendations

- 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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