

# First ITU Workshop on Data Processing and Management for IoT and Smart Cities & Communities

Brussels, Belgium, 19 February 2018



# Session 1: Main Challenges



## Takeaways and Conclusions

- Data is essential for the world's economy, both global and local
- Catering for a diversity of situations on a simple common ground remains non-trivial, because of the fragmented situation
- Close collaboration with SDOs and other stakeholders essential
- Partnerships and practical validation is needed
- Large Scale Pilots can close a gap in the market between strategic and practical
- Some convergence is already being seen

## Suggestions to FG-DPM

- Invite many input sources
- Encourage broad communication and promotion
- Support open events
- Propose a revised action plan to ITU-T SG20 to reflect the emerging convergence

# Session 2: Beyond state of the art



## Takeaways and Conclusions

- ❑ Cities are finely calibrated over many years, so do not change over night.  
*Transition management* is essential
- ❑ In order to have a marketplace, interoperability needs to be complemented by *licensing, governance and legislation*
- ❑ Requirements should come from existing sources, informing existing solutions
- ❑ IoT proposes fundamental new legal questions, including how to treat non-use (passive use), non-subjects (objects) and protecy (data protection + privacy)

## Suggestions to FG-DPM

- ❑ Ensure rapport with cities and communities when establishing requirements
- ❑ Ensure linking technical aspects with governance aspects in the framework development
- ❑ Remain open and proactively inclusive towards existing work, within ITU and other SDOs as well as research and innovation projects, when establishing the FG-DPM baselines
- ❑ Recognize the legal complexities surrounding IoT for Smart Cities and Communities
- ❑ Ensure use cases from big data value chain

# Session 3: Joint steps towards a common ground



## Takeaways and Conclusions

- A need to conduct real standards-based procurement
- Rationate. Collaborate
- Map relevant organizations and specifications
- Alignment reduces risk
- Not just technical issues to be addressed but also societal and ethical

## Suggestions to FG-DPM

- Provide practical guides for procurement
- Contribute to the mapping of organizations and specifications
- Link with other pre-standardization orgs
- Keep the framework simple
- Join the efforts to align efforts

# Takeaways and Conclusions



1. There are important standardization issues to be addressed:
  - interoperability: pivotal points, minimal mechanism
  - governance: data protection, licensing, market mechanisms
2. Identification of and close collaboration with related entities is essential
3. Concrete steps to achieve practical results:
  - events
  - concrete implementation, pilots and procurement
  - joint fora, joint documents