

Smart & Sustainable Cities



GSC
MONTREUX, SWITZERLAND

22

All documents later at:

www.itu.int/en/ITU-T/gsc/Pages/meetings.aspx



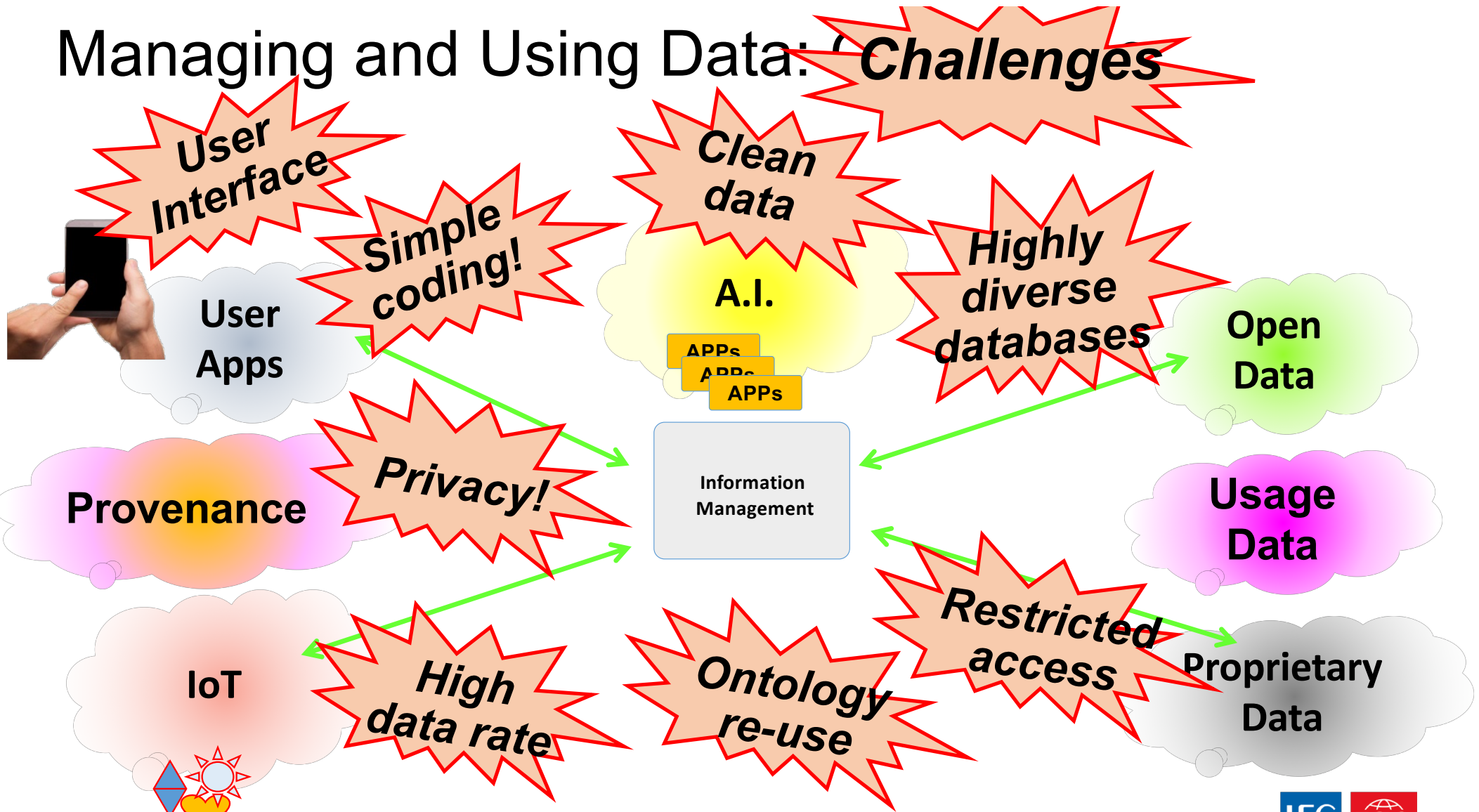
Theme 1: Delivering Data (Chair = Rudi Schubert)

13:40 13:55	Sustainability Frameworks for Smart Buildings	David Bain	TIA
13:55 14:10	ETSI Standards for Smart & Sustainable Cities and Communities	Lindsay Frost	ETSI
14:10 14:25	ITU-T Interoperability Frameworks for E2E Data Delivery: Systems, Devices, and Platforms	Ramy A. Fathy	ITU
14:25 14:40	Smart Cities Data Exchange Cities and Industry Partnering for the Future	Michael Nawrocki	ATIS
14:40 15:10	Panel discussion	All speakers	All

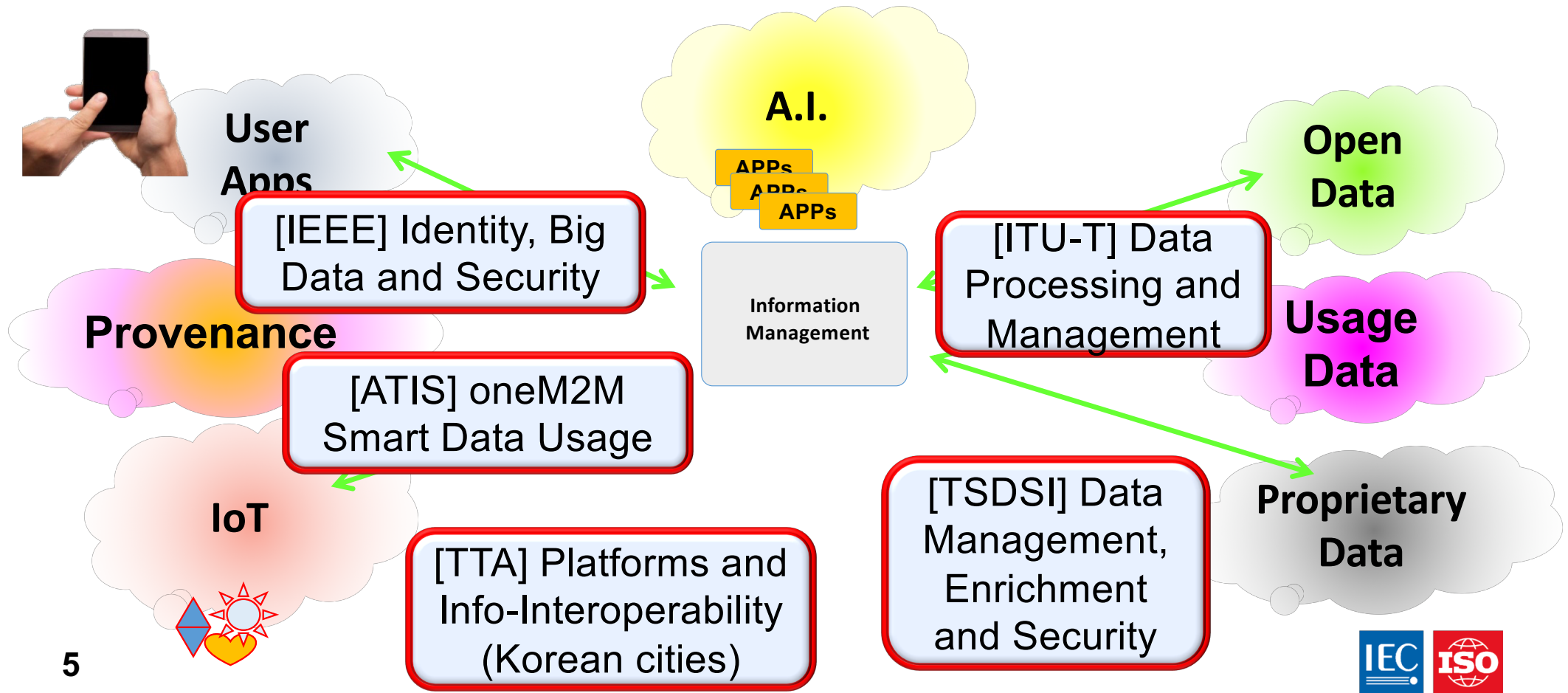
Theme 2: Managing & Using Data (Chair = Lindsay Frost)

15:50 16:05	Urban Data Management and Modeling in Korea Smart City	Dae Yeon Cho	TTA
16:05 16:20	ITU-T Data Processing and Management Framework	Gyu Myoung Lee	ITU
16:20 16:35	Indian Smart Cities- Approach to address Data Management, Enrichment and Security Challenges	Mr Jeganathan Ramachandran	TSDSI
16:35 16:50	oneM2M Smart Data Usage in Smart Cities	Rouzbeh Farhoumand	ATIS (oneM2M)
16:50 17:05	Smart Cities - Big Data: IEEE Initiatives Enabling Smart and Secure Data Management	Srikanth Chandrasekaran	IEEE
17:05 17:35	Panel discussion → 18:30 Gala Dinner	All speakers	All

Managing and Using Data: Challenges



Managing and Using Data: Solutions



Turning solutions into Global Solutions !

Transparency

- Sources and discussions are open
- Specifications and abstracts are online and IPR-rules are clear

Interoperability

- Interfaces are open and interworking-gateways promoted
- Definitions, Ontologies, Notations are clear (preferably re-used!)

Flexibility and Scalability

- Additional parameters & functions can be added
- Architectures flexible for load-balancing, cloud-based & federation

Inclusiveness

- Users can help define User Interfaces, KPIs, adjust privacy, set confidentiality
- Stakeholders all get value from the ecosystem !

Improve our transparency towards Smart Cities

Databases exist (but not easily sorted/filtered)

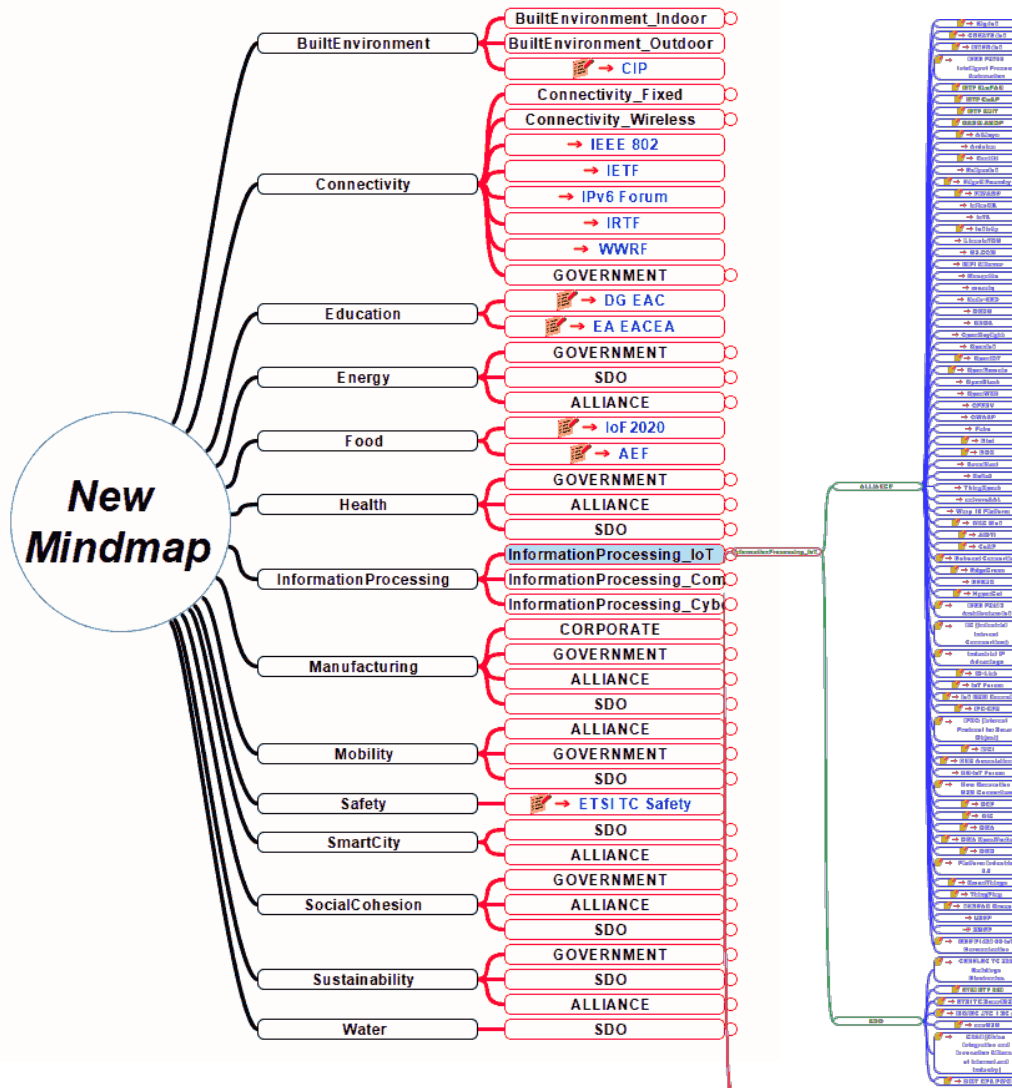
... please !!

- ❑ ETSI <https://www.etsi.org/standards-search>
- ❑ ITU <https://www.itu.int/net4/ITU-T/roadmap> (2909 items)
- ❑ IEC <https://webstore.iec.ch/advsearchform>
- ❑ CENELEC <https://www.cenelec.eu/dyn/www/f?p=104:103>
- ❑ CEN <https://standards.cen.eu/dyn/www/f?p=CENWEB:105>
- ❑ and others

Summaries exist, but not “sustainable” i.e. one-off efforts

- ❑ e.g. PICASSO project: '[Panorama of ICT landscape in EU and US: ICT, Policies, regulations, programmes and networks in the EU and US with Updates for Latest US Announcements on 5G Initiative](#)'
- ❑ [AIOTI WG03 Reports on IoT Standards](#)

Mindmap of Standards relevant to Smart Cities ?



ETSI/CEN/CENELEC SF-SSCC is attempting this “mindmap” but cannot continue alone

ITU-T FG DPM is creating a taxonomy and framework, but focus is finite

ETSI is setting surveys to get City viewpoints:
<https://standards4citizens.etsi.org/Survey/CDP Value of Standards Survey>

Adhoc Team of Experts starting a “Help Desk for Smart Cities”

