



CityLab@Inria

Smart cities multi-disciplinary research at Inria

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Citylab: Transitions², 22 janvier 2016

Why cities must become smarter ?

- 7 out of 10 people in cities by 2050



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- Cities should evolve with evolving technologies for **citizens' well-being**



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- Cities should evolve with evolving technologies for **citizens' well-being**
- ⚠ **Isolated** technocratic institutions to solve urban problems
- ⚠ **No holistic view** of the problems and their solutions

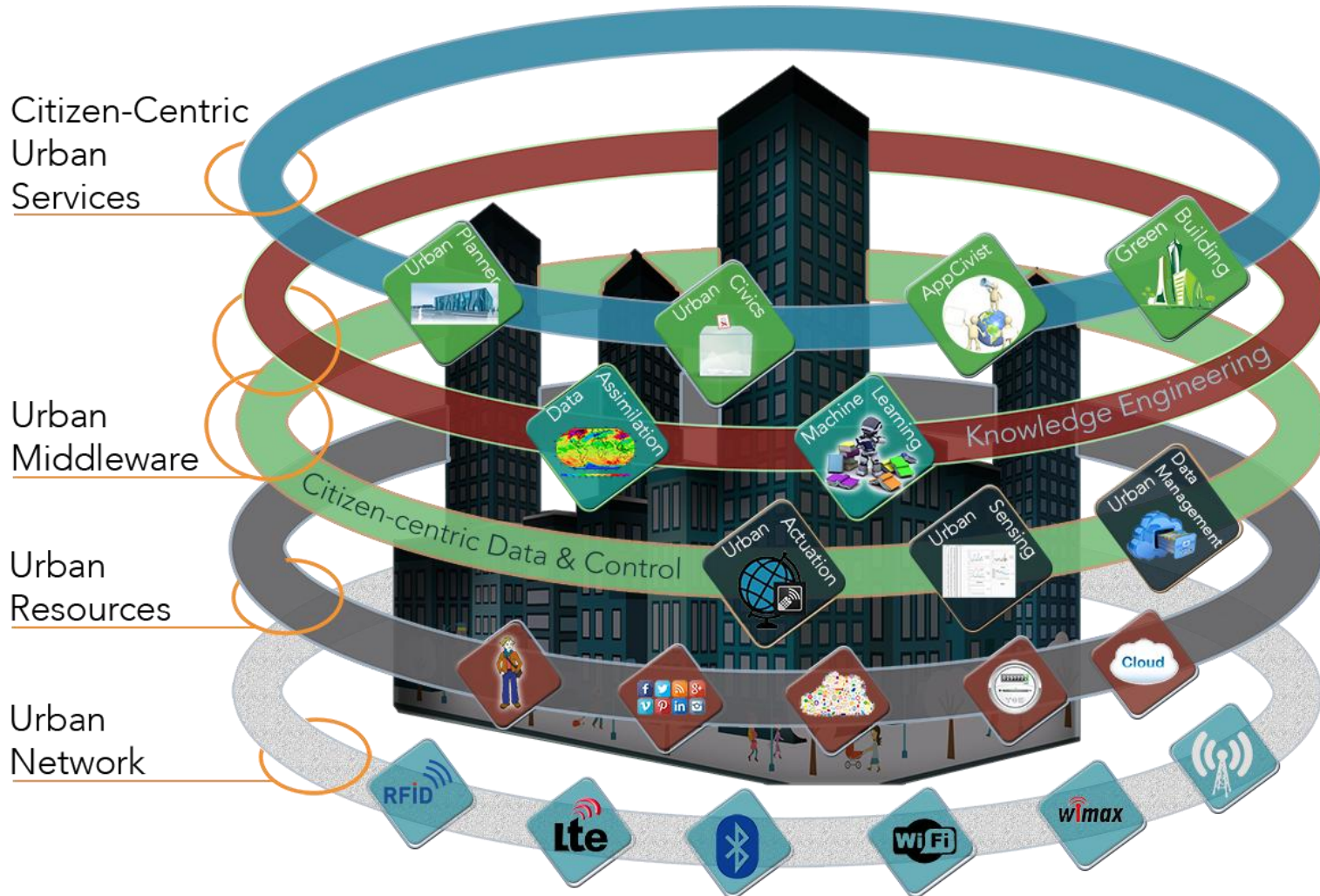
We Need Social & Environmental Sustainability

- 7 out of 10 people in cities by 2050
- Cities should evolve with evolving technologies for **citizens' well-being**
- **Isolated** technocratic institutions to solve urban problems
- **No holistic view** of the problems and their solutions
- **Citizens** may have better insight

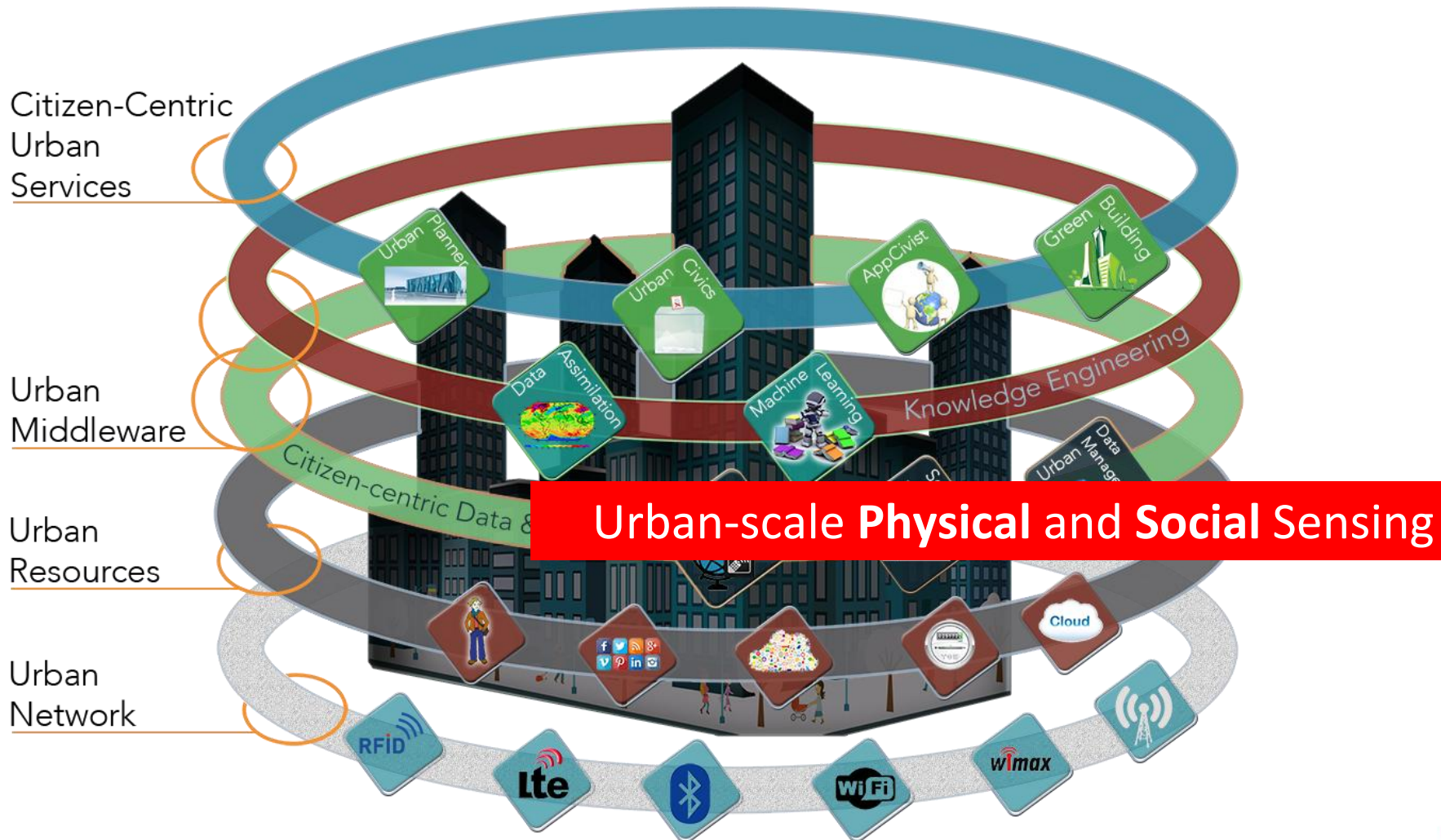


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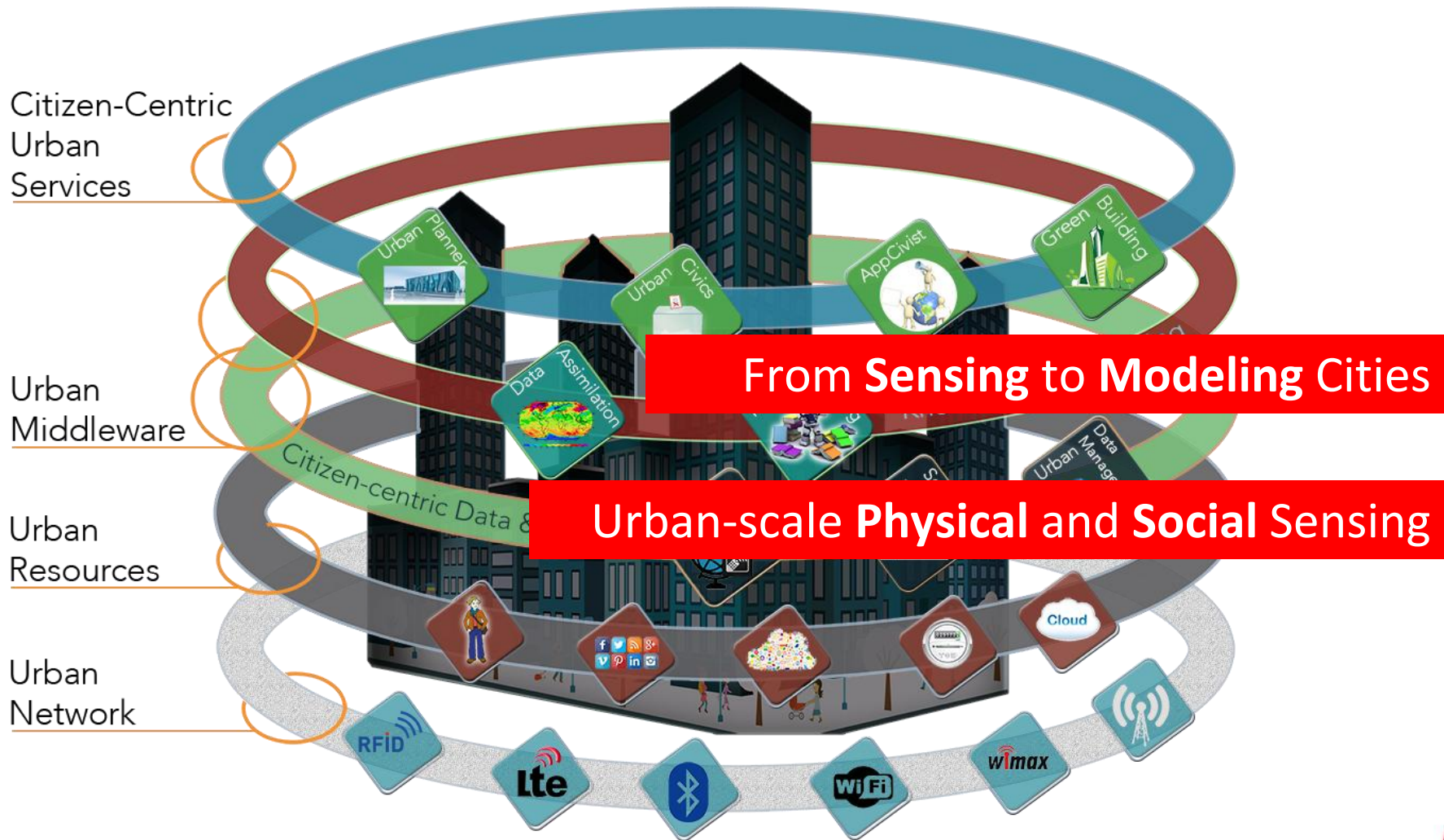
Smart Connected Cities



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Smart Connected Cities

Citizen-Centric
Urban
Services

Next Generation City Services: Smart parking, energy-efficiency, utility management, smart lighting, ITS, ...

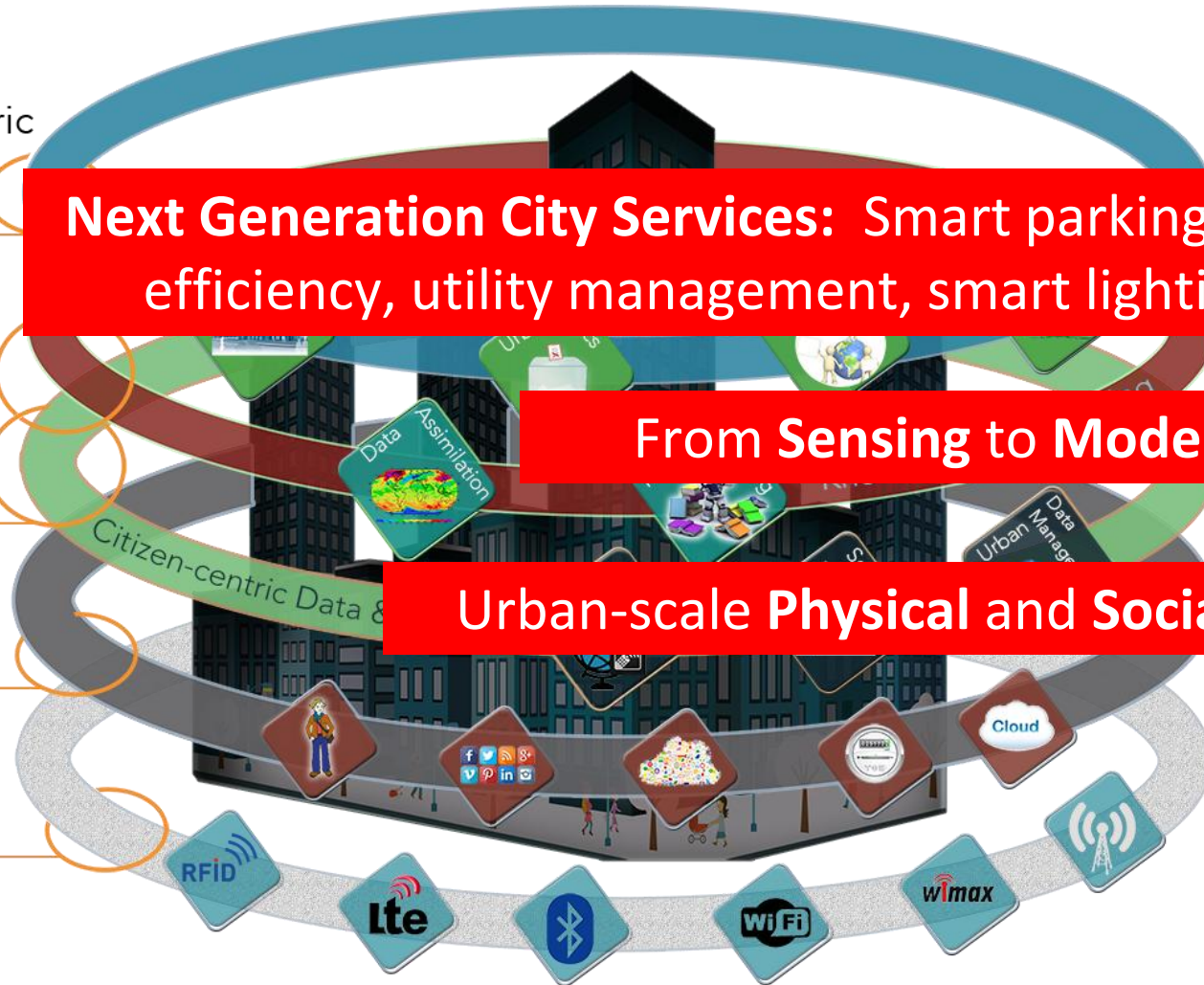
Urban
Middleware

From Sensing to Modeling Cities

Urban
Resources

Urban-scale Physical and Social Sensing

Urban
Network



Inria Perspective on Smart Cities: Social & Environmental Sustainability

8 teams to address these challenges

-From infrastructure deployment to data collection and processing going through energy and privacy issues.

Example of first results :

- soundcity
- Automatic tools for large scale quantitative analysis
- Study on sensor deployment on bikes, light posts or for concrete monitoring.
- Improve transportation
- ...

And a MOOC which starts on Monday 25 on smart cities challenges !

Thank you

To know more

- Inria@Silicon Valley - <https://project.inria.fr/siliconvalley/>
- CityLab@Inria - <https://citylab.inria.fr/>
- <https://www.france-universite-numerique-mooc.fr/courses/inria/41009/session01/about>
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