CityLab@Inria
Smart cities multi-disciplinary research at Inria

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Why cities must become smarter?

- 7 out of 10 people in cities by 2050
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⚠️ 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
Smart Connected Cities
Smart Connected Cities

Urban-scale Physical and Social Sensing

- Citizen-Centric Urban Services
- Urban Middleware
- Urban Resources
- Urban Network

Citizen-centric Data & Knowledge Engineering
Smart Connected Cities

From Sensing to Modeling Cities

Urban-scale Physical and Social Sensing
Smart Connected Cities

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

From Sensing to Modeling Cities

Urban-scale Physical and Social Sensing
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/](https://project.inria.fr/siliconvalley/)
- CityLab@Inria - [https://citylab.inria.fr/](https://citylab.inria.fr/)
- [https://www.france-universite-numerique-mooc.fr/courses/inria/41009/session01/about](https://www.france-universite-numerique-mooc.fr/courses/inria/41009/session01/about)
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