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Oliver Rolle, 5.12.2014

UrbanPulse
Smart City solutions

sustainable solutions.

[Outline]

- **Who is The Urban Institue?**
- **Libelium Sensoren**
- **Darmstäfter Verkehrsdaten**
- **Hackathon Thema**

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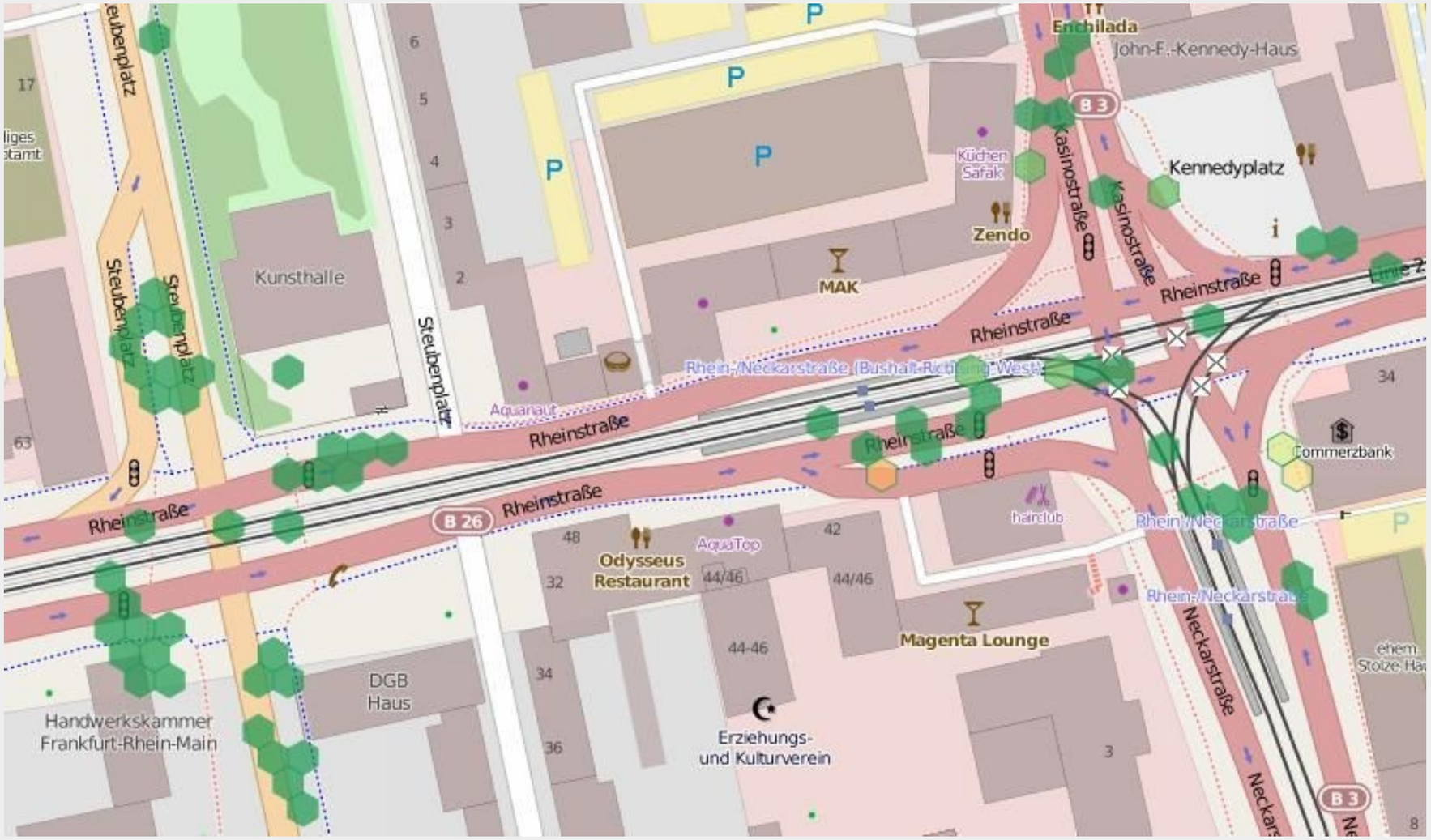
[About the urban institute®]

[ui!] the urban institute® - is a leading software and consulting firm for solutions in the field „Smart City“, based in Chemnitz, Saxony, and operates subsidiaries in Walldorf, Baden, Berlin and New York City. Founded with the charter to closely assist the European Innovation partnership, **[ui!]** serves cities in Germany, in other European countries and in Australia in their efforts to use innovative concepts and solutions for the implementation of ambitious climate protection goals. Climate protection, benefits for the citizenry, and economically successful services and solutions are not mutually exclusive but complement each other in a sustainable unit for the future of the urban space. Therefore, **[ui!]** focuses on cloud-based services in the areas:

- ✓ **mobility,**
- ✓ **traffic,**
- ✓ **energy management,**
- ✓ **building automation.**

[Darmstädter Verkehrsdaten]



Demo: file:///home/muhaaa/tmp/Hackaton Daten/Datenvisualisierung/

[Umweltsensoren]

Libelium Plug and Sense: http://www.libelium.com/products/plug-sense/

Waspmote IDE: http://www.libelium.com/development/waspmote/sdk_applications/
* Download IDE: Waspmote Pro v04 for your system
* Contains everything to programm our SmartCity waspmote

Waspmote braucht **jeweilige Firmware** für Kommunikation!

* WLAN Version: /waspmote/SmartCityWIFI4_HTTP/
** Sensor sendet an Mac; Mac pusht auf websocket
** websocket: 192.168.0.101:8282

* 3G Version: /waspmote/SmartCity3G3_HTTP/
** PIN: steht auf Gerät

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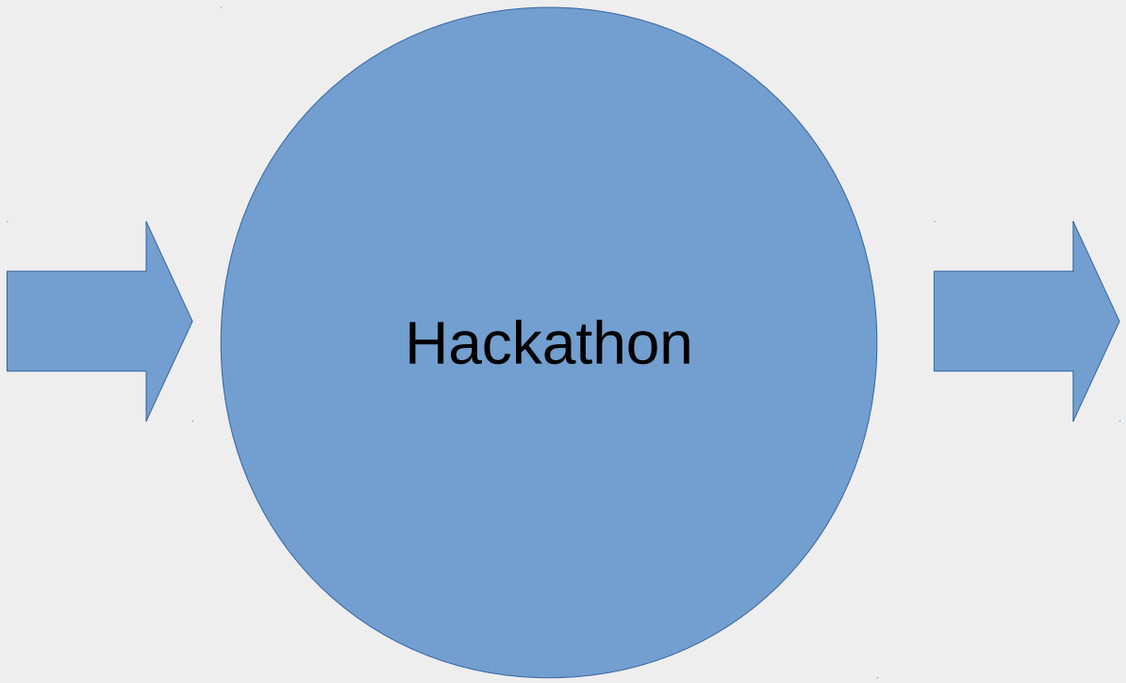
[Thema: How do you feel?]

18:00 23:00

Was haben wir?
Sensoren
* CO2
* Alkohole
* Luftfeuchtigkeit
* Schallpegel
* Helligkeit

Euch
* Müdigkeit
* ???



Wo wollen wir hin?
Müdigkeit im Raum
* Anzeigen der Daten
* Korrelation von Müdigkeit mit Sensordaten

WLAN für Sensordaten
SSID: SmartCityHackathon
Key: 20326494

Websocket-Service: 192.168.0.101:8282

Präsentation:
https://github.com/orolle/SmartCityHackathon1
git clone https://github.com/orolle/SmartCityHackathon1.git

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[Thank you for your attention]

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