

ENSCI

UN NOUVEAU MONDE DE DONNÉES

FABIEN GIRARDIN, 18.05.2011, PARIS

PARTIE I

PARTIE II

PARTIE III

PARTIE IV

Les données

Leur exploitation

Les nouvelles pratiques des données

Quelques implications



Réseaux sans-fil GSM,
WiFi, Bluetooth, RFID,...



Capteurs de mobilité,
pollution, présence, ...

Interfaces mobiles, écrans,
murs, objets, ...

PROCESSANT
NOVA INFORMACIÓ



Stockage mobile, centres,
“nuage”, ...









Bloomberg

03:09 PM ET 13 JUL

Dow	Nasdaq
10,842.69	2,057.82
▼ 170.49	▼ 1.55%

Nasdaq Movers

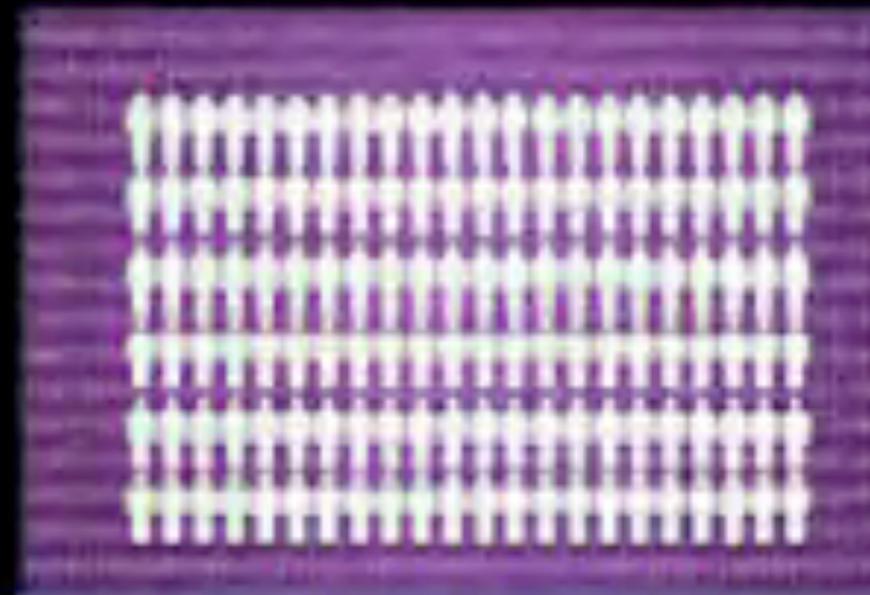
Colgene
46.57 ▼ 1.68

Comcast Corp.
31.49 ▼ 0.57

NYSE *with international* 44.49 ▼ 0.72 Snap-on 31
Nasdaq Star 38.57 ▲ 0.08 Electronic Arts 43.87 ▲

NEWS
FLASH

FED'S STERN SAYS HIGHER DEFICITS WILL
MEAN HIGHER RATES IN LONG TERM



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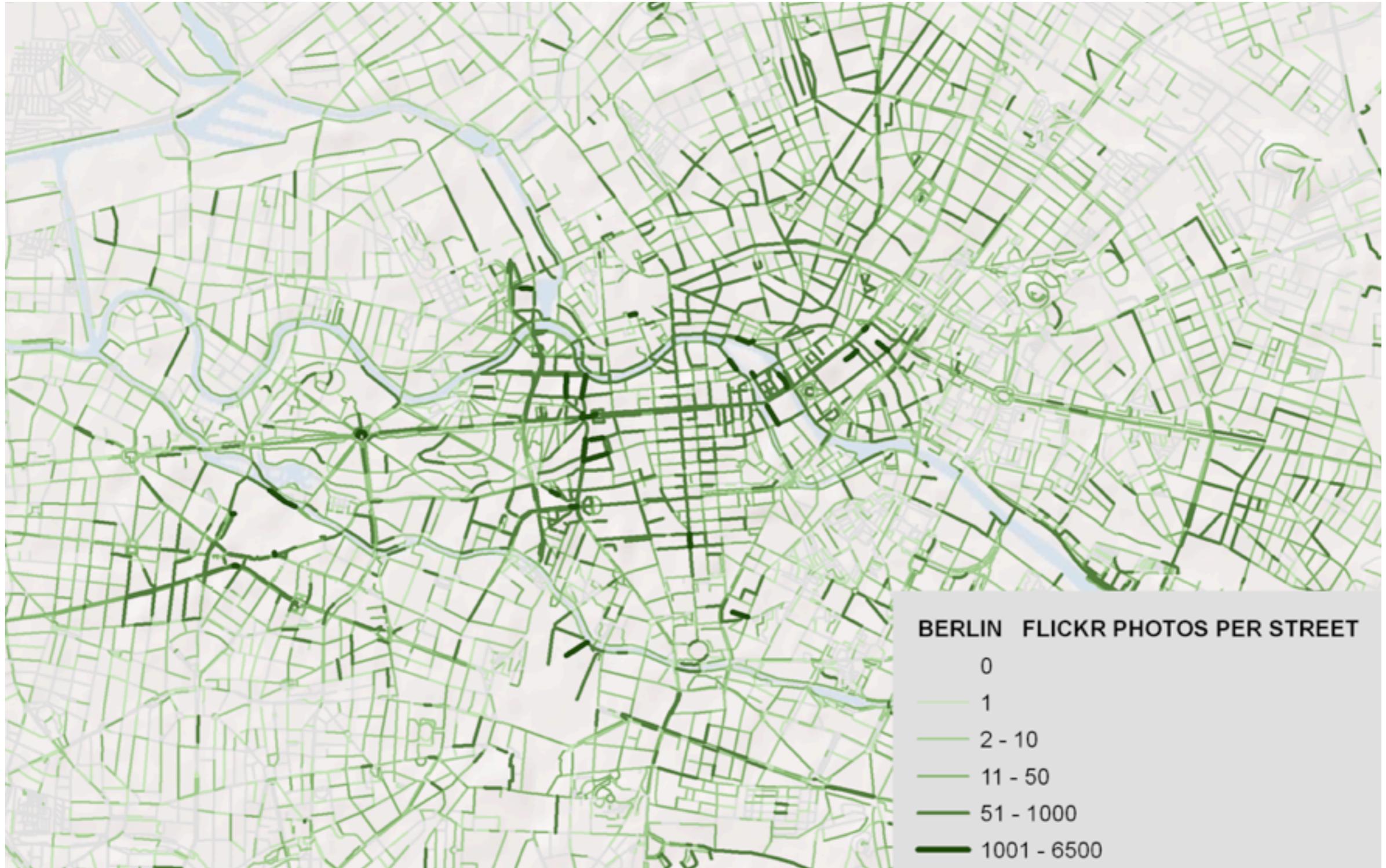


que si, en su día lo comentamos (Montpellier) y ~~volvemos~~ a hacerlo , no lo dudes ;) Mañana mismo lo po
12:25 - calderon_ana: RT @Sc0b: La semilla de la revolución es la represión. #~~acampadasol~~ #acampadasol
12:24 - Aeariel_: RT @GabrielaMuroMur: RT @kicoes La junta electoral suspende las elecciones y se reparte la
12:24 - CORRFACE: @nurianrvz #Estanochevamos todos, #acampadasol. #yeswecamp#nonosvamos ,
12:24 - Fyahbwoy: RT @nacho_oncina: RT @glztt: Si os preguntan, no es una acampada, es una cola para la fu
12:26 - _txillo_: RT @devilfvc: #acampadagranada se traslada a la Playa del Ayuntamiento a las 20 h. #
12:26 - OFornet: #spanishrevolution Aquí los fenómenos de la junta provincial (a 2-4-11) Al final la van
12:24 - radioklara: RT @asier_vazquez: En Málaga han prohibido de urgencia reuniones de más de 10 perso
12:26 - saratustra78: La verdad es que es emocionante #yeswecamp
12:27 - Aritzof: Parece ser que la Junta Electoral de Granada también ha prohibido la concentración...
12:26 - Nataliamt17: RT @girado: Los que usen el hashtag #seunaopcion, incluid propuestas CONCRETAS d
12:25 - Sarya_Crazy: RT @TuristaEnTuPelo: Intereconomía está grabando ahora mismo falsas entrevistas
12:27 - Pata_Ookami: RT @javimargon: Sol a las 17:15 #spanishrevolution #acampadasol http://twitpic
12:27 - Patriciustc: RT @revolutioniscom: RT @Estaminoide http://twitpic.com/4z8q3y Los antisistem
12:27 - EduSanzMurillo: RT @olgarodriguezfr: somos ciudadanos, no pasivos espectadores de los des
12:27 - MiStERiK0: RT @zhuge_liang_: @MiStERiK0 @dbravo Responsable de la Junta Electoral Central
12:27 - M_Ferrara: RT @blaenca: ¿Que desautorizan la convocatoria a las 20h de la #acampadasol?
12:27 - Lobap: RT @acampadasol: La Junta Electoral piensa que los ciudadanos podemos influir en
12:27 - genenain: #europeanrevolution
12:28 - fransanjurjo: RT @el_pais: Consulta el documento con la decisión de la Junta Electoral
12:28 - psandez: RT @amarcos_ortega: Están intentando violentarnos, hay que ir a Sol, pero co
12:28 - we_are_zombies: RT @jpanort: POLITICOS, prohibir las acampadas no arregla la situaci
12:29 -
violencia es posible. Resistencia

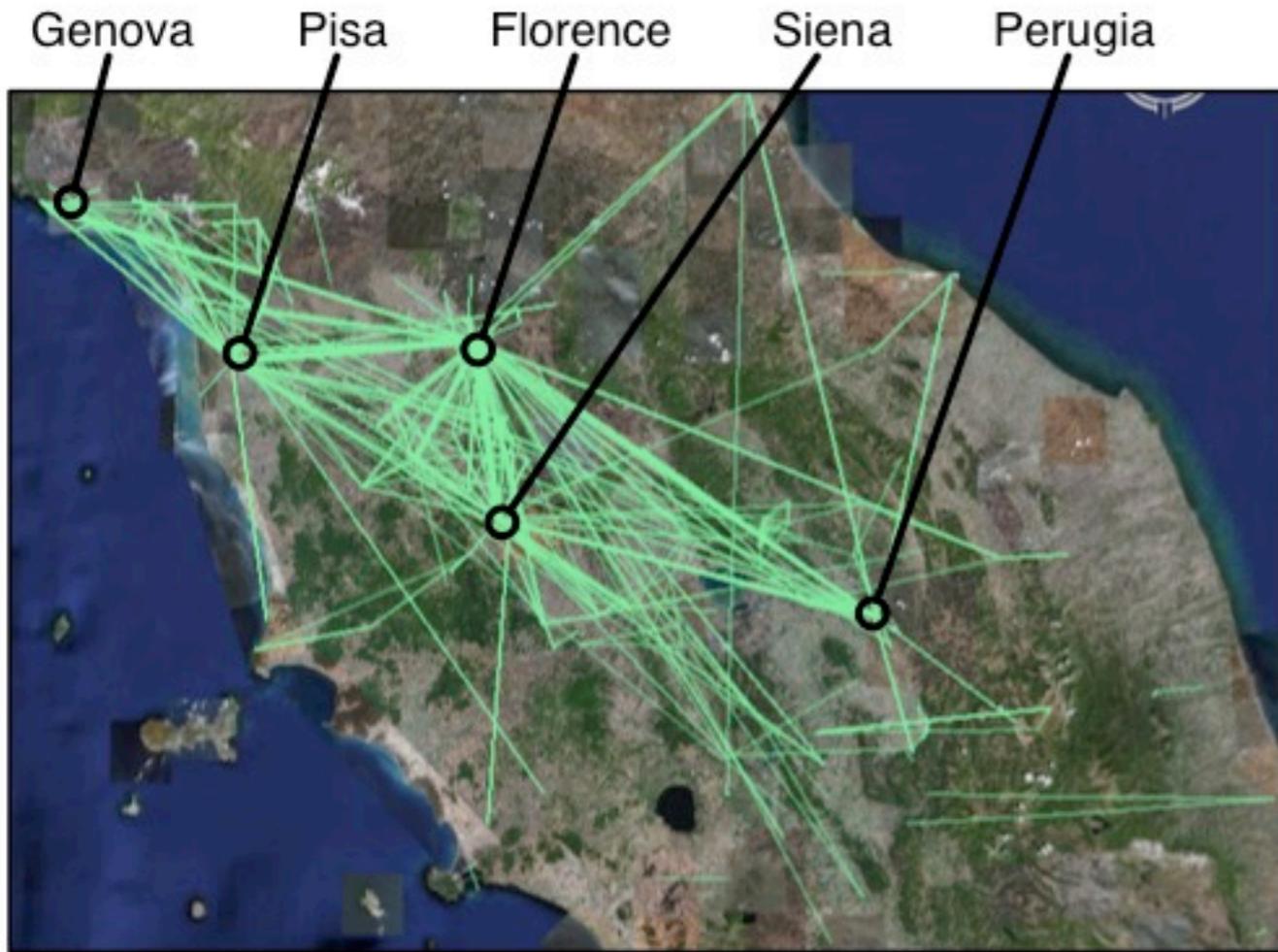




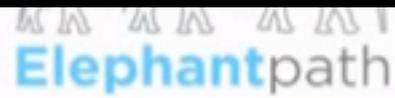












processing thousands of pieces of information people share publicly online.

discover the photogenic attractions and figure out when to go.

copying the code and the data into your [Impure](#) workspace.

Paris / Champs Elysees

The Avenue des Champs-Élysées () is a prestigious avenue in Paris, France. [More in Wikipedia](#)

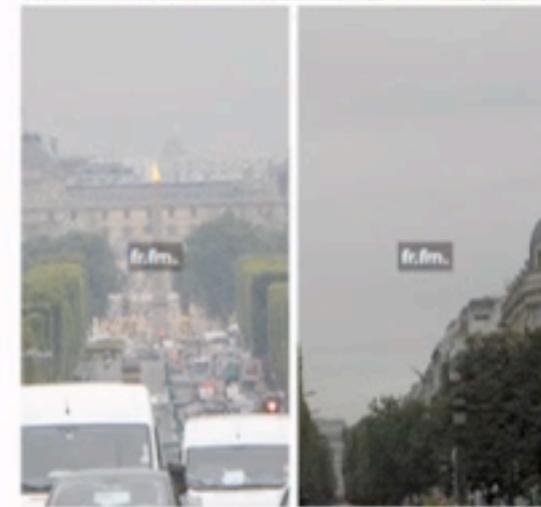
Where do people go

7 photographers moved from Place de la Concorde to Eiffel Tower

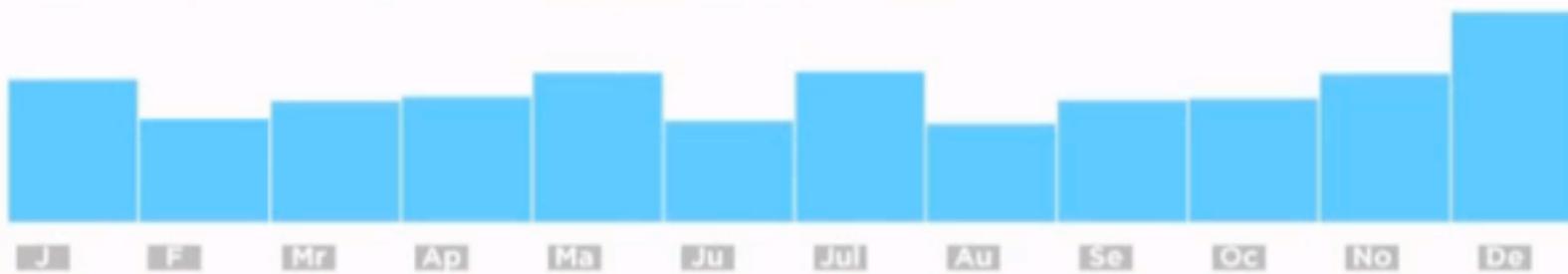


What do photographs capture in July at

[Goldorak? Non, Citroën!](#). Source: [Flickr](#).



When is Champs Elysees photogenic? (Select a month to view photos)



Photogenic comparison between Champs Elysees and Paris



”

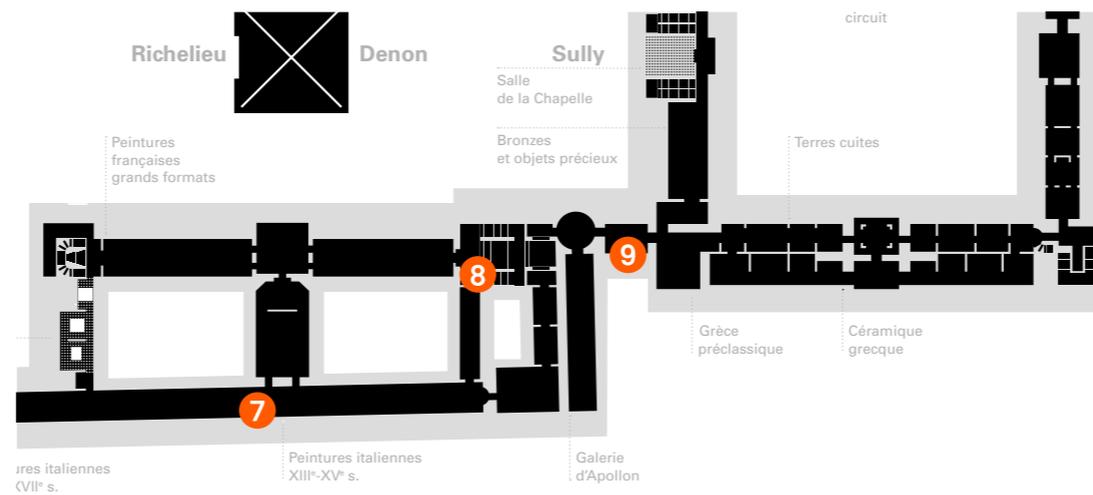
Les indicateurs ne sont pas des données, se sont des modèles qui simplifient un thème complexe en quelques chiffres pour qu'il soit compréhensible.

“



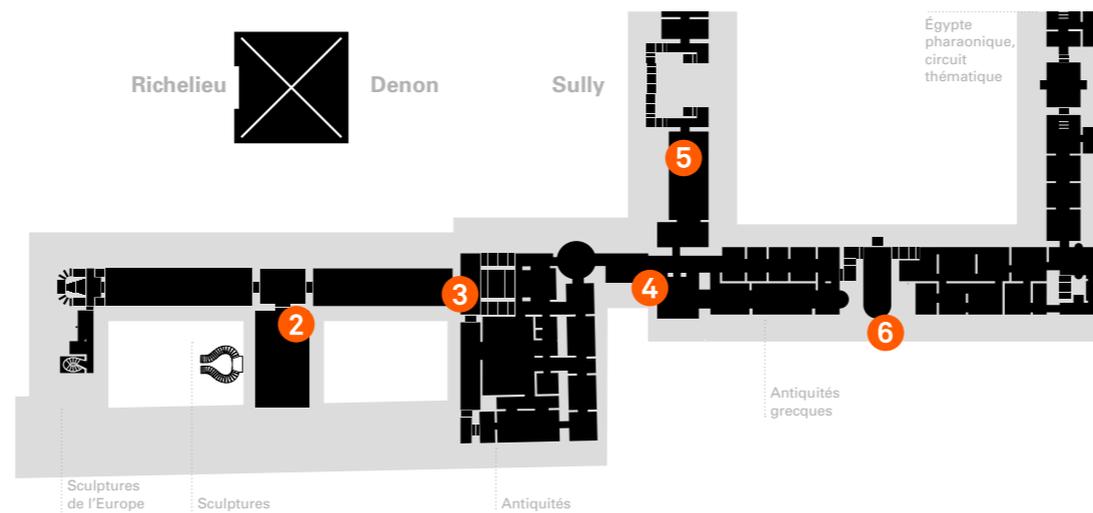
1^{ER} ÉTAGE

- 9 Salle des verres ou salle 34 entre la Galerie d'Apollon et la salle des Sept cheminées, dite « Salle des verres »
- 8 Palier de la Victoire de Samothrace, côté comptoir audioguide Antenna-Audio, dit « Palier Samothrace »
- 7 Grande Galerie



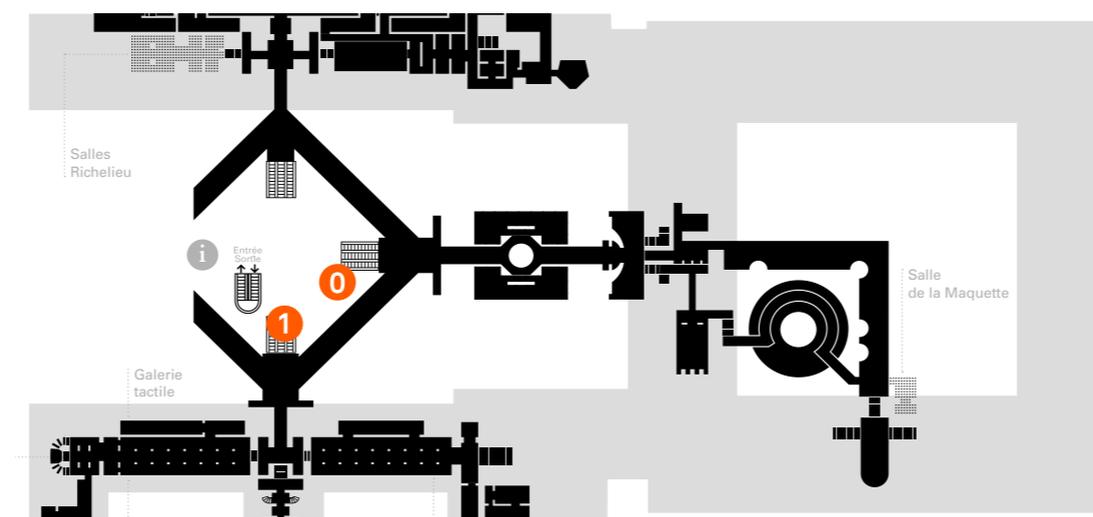
0 REZ-DE-CHAUSSÉE

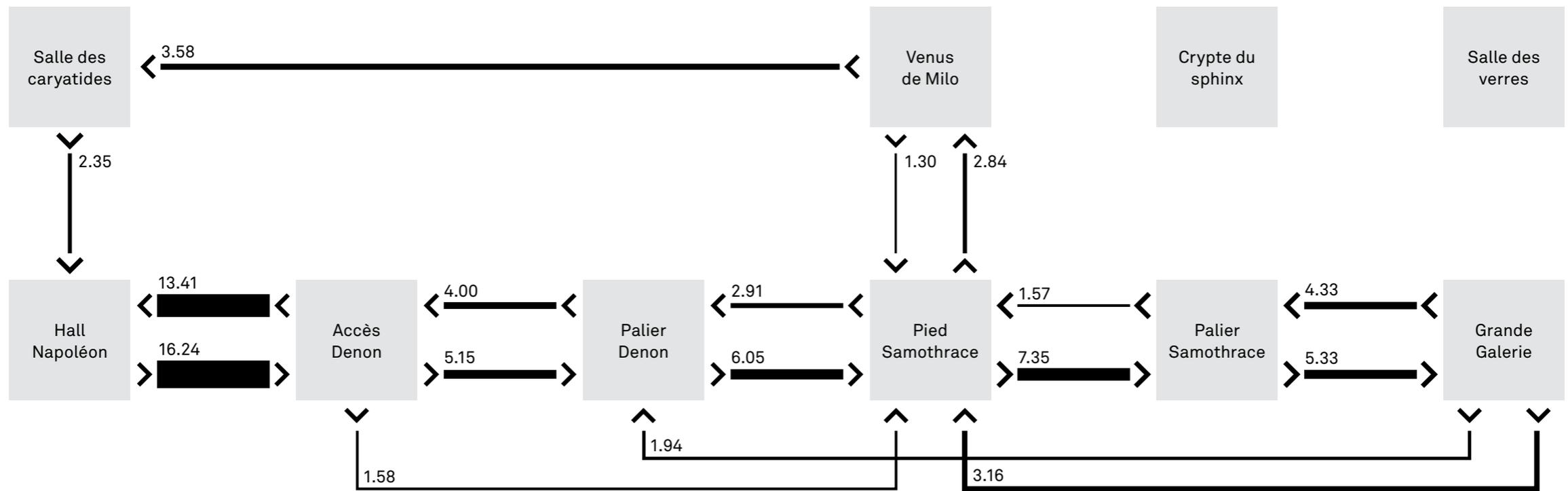
- 6 Crypte du sphinx
- 5 Salle des caryatides
- 4 Venus de Milo
- 3 Pied de l'escalier de la Victoire de Samothrace dit « Pied Samothrace »
- 2 Palier Denon ou « rez-de-chaussée Denon », galerie Daru



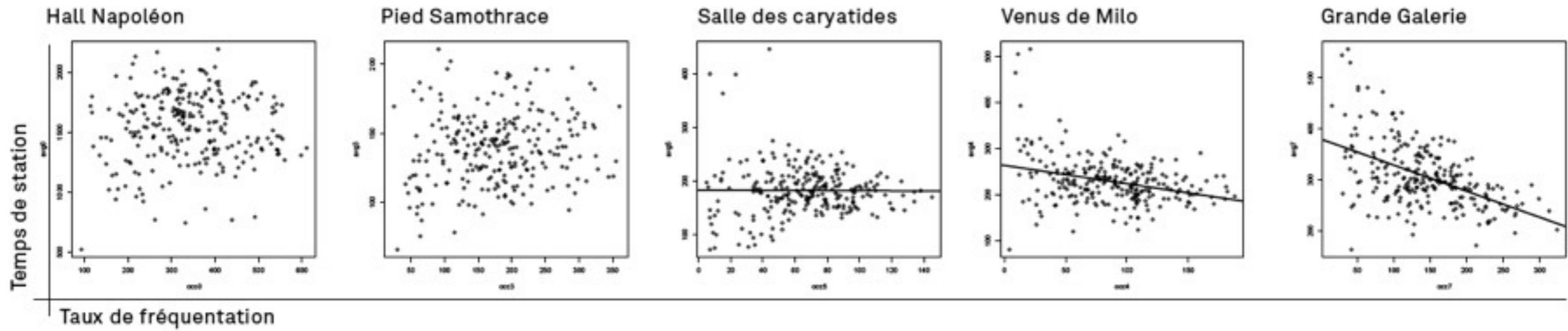
-1 ENTRESOL

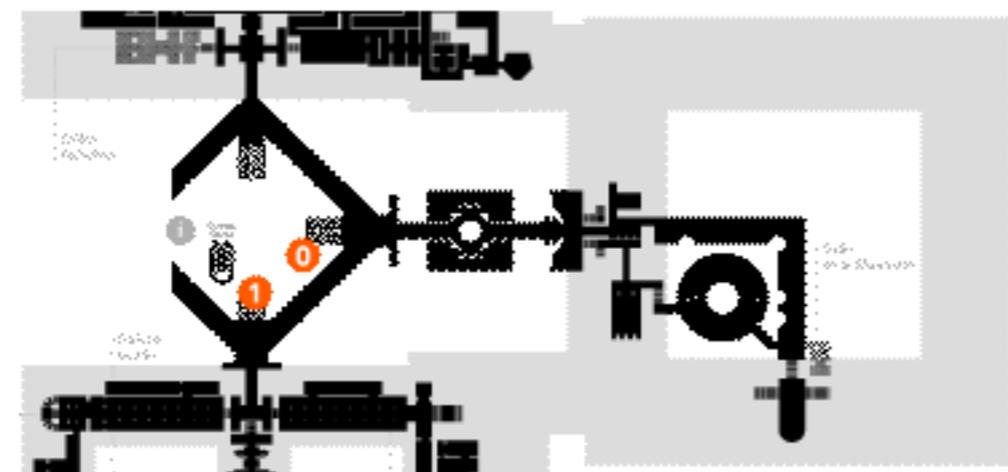
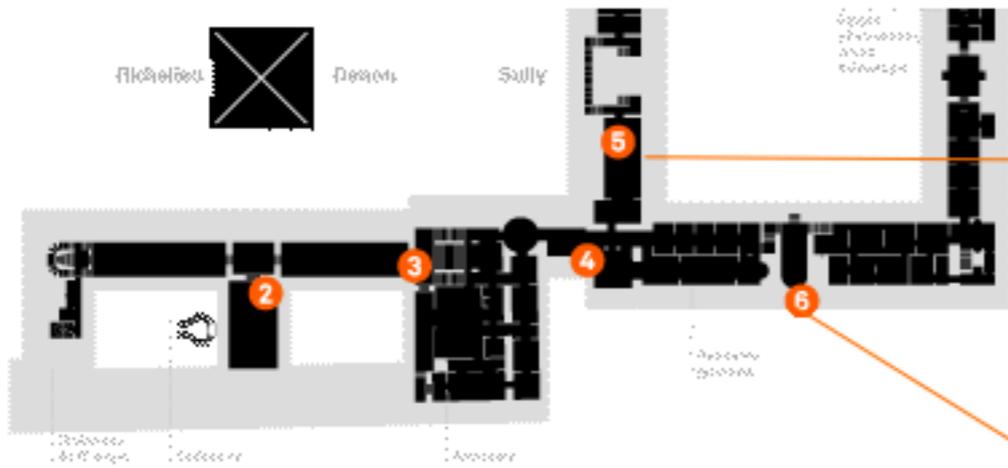
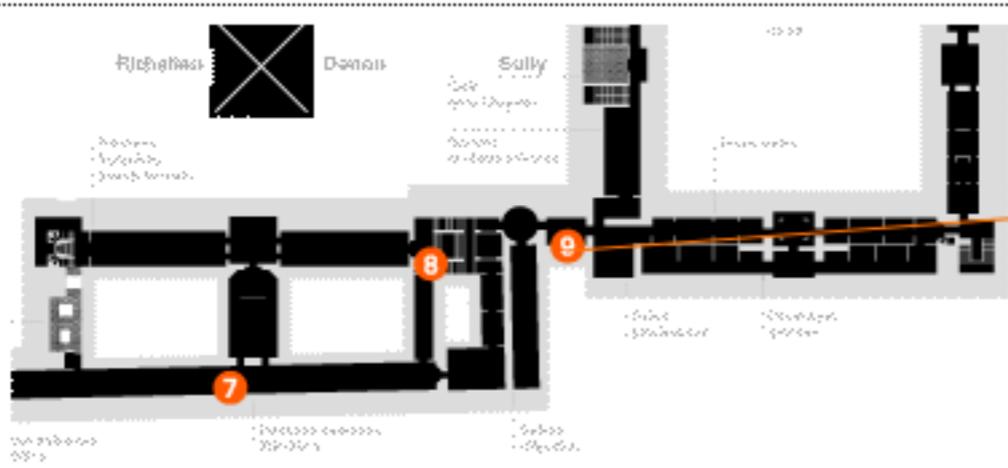
- 1 Accès Denon
- 0 Hall Napoléon



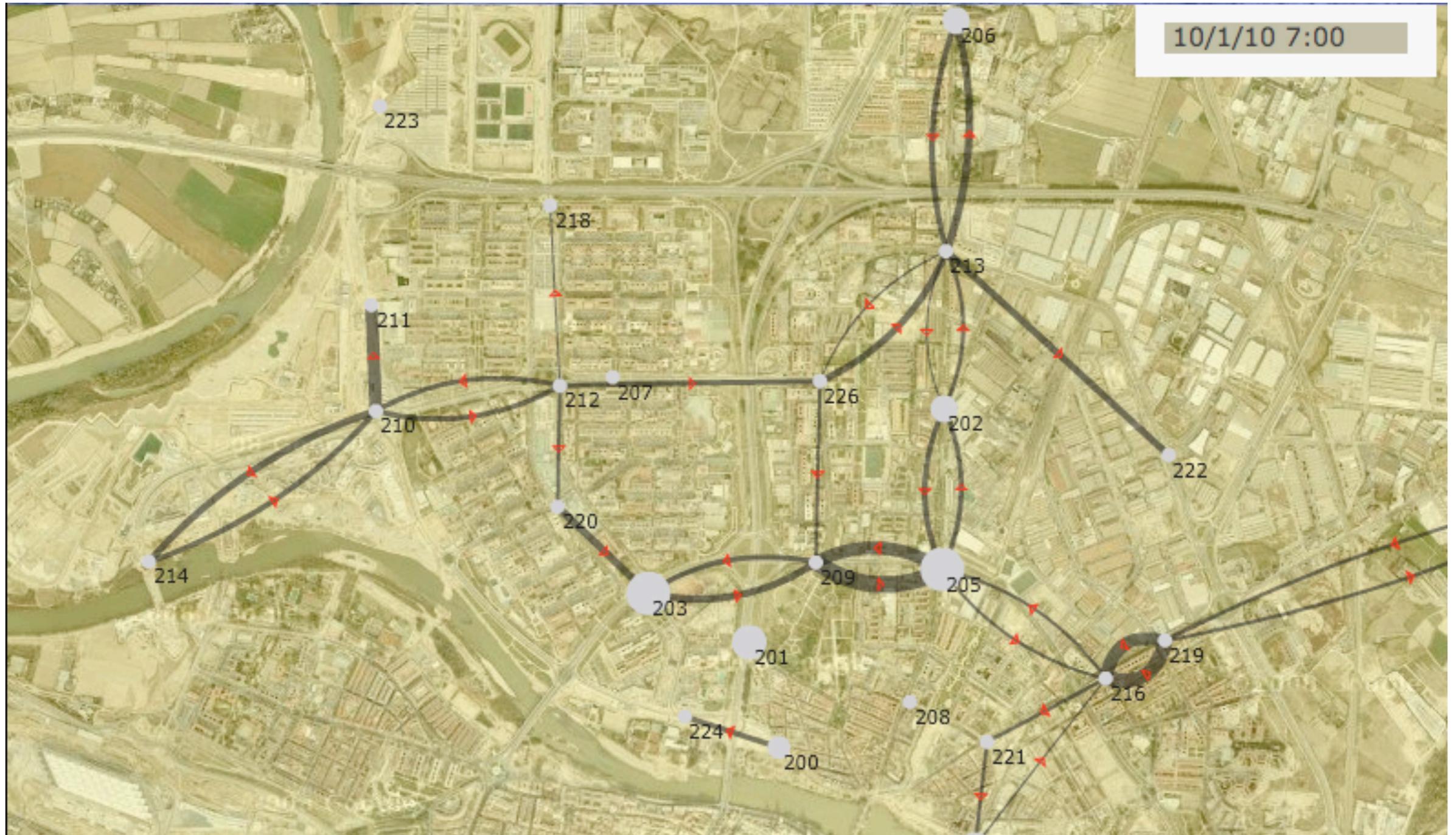


AUDIT 2: MOUVEMENTS MAJEURS DE VISITEURS ENTRE CHAQUE LIEU. UNITÉ: % DES MOUVEMENTS TOTAUX. VOIR ANNEXE 5 POUR DONNÉES COMPLÈTES.







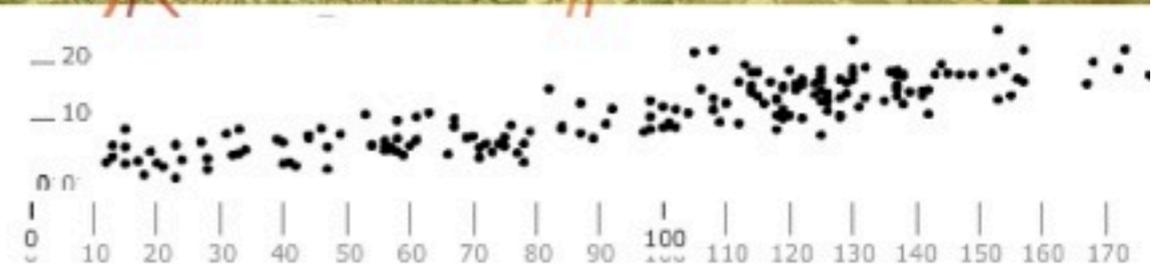
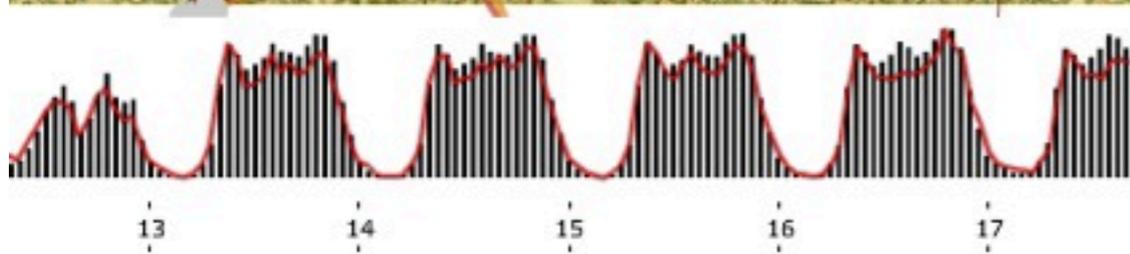


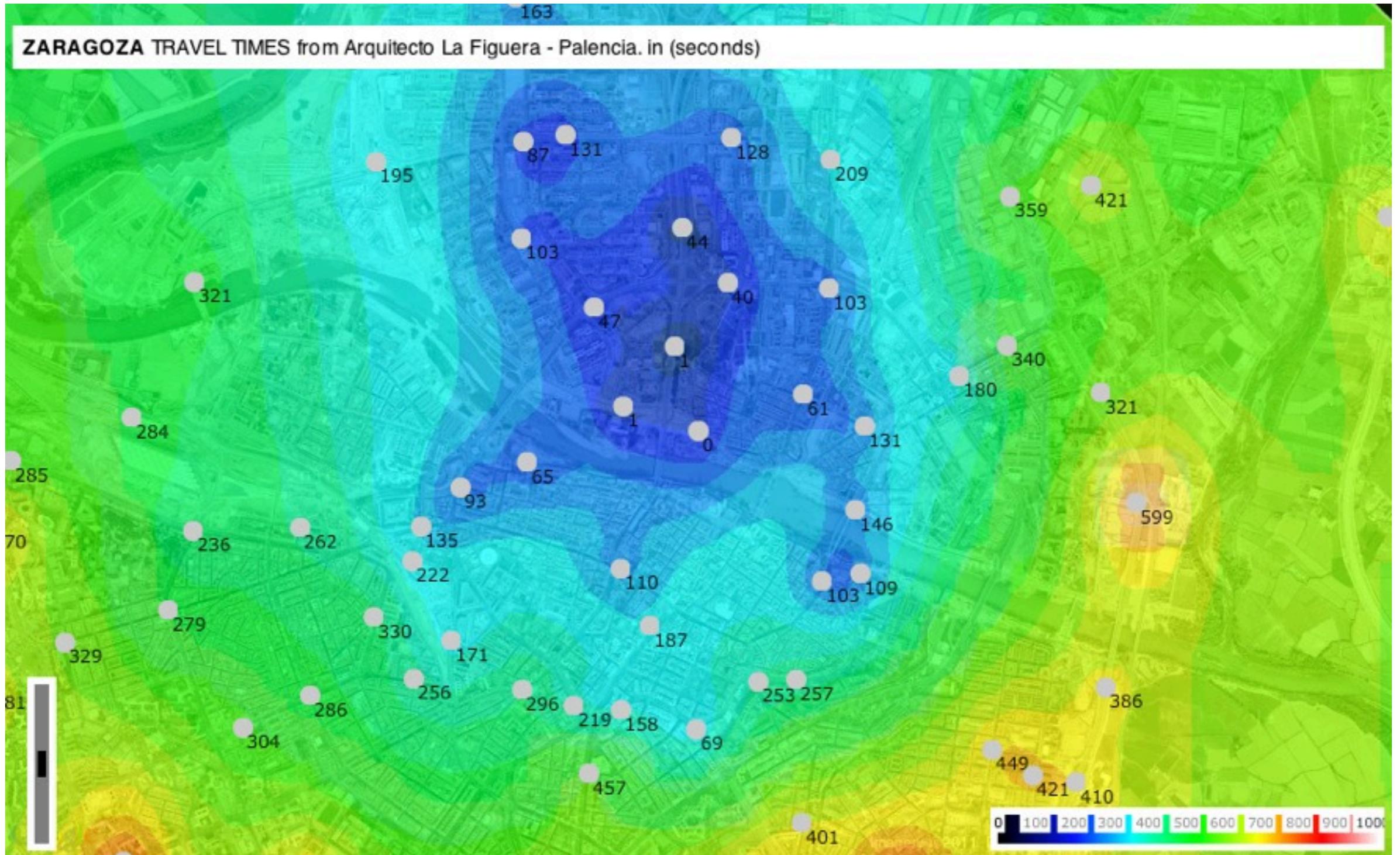
→ Time based evolution

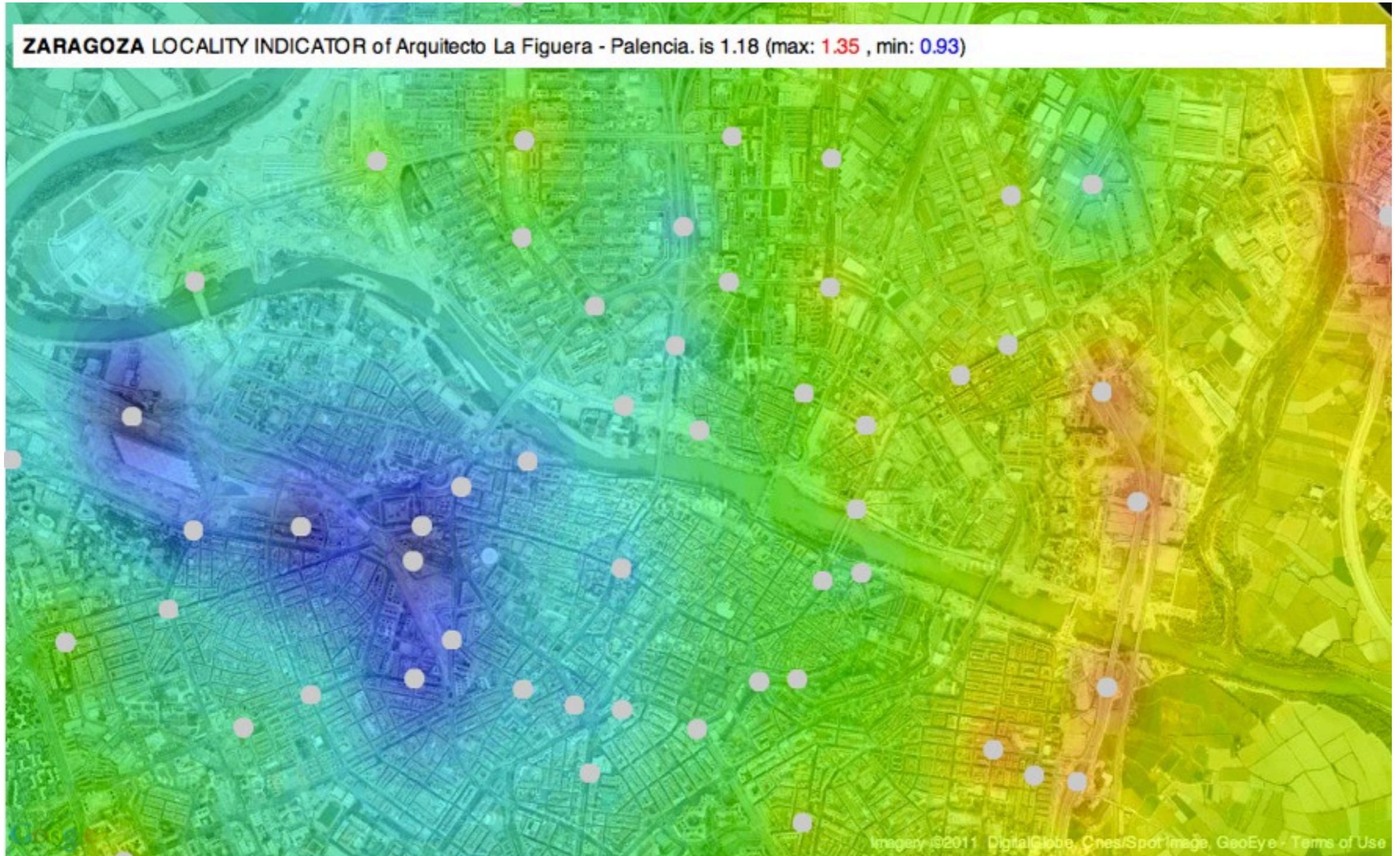
204

bitcarrier



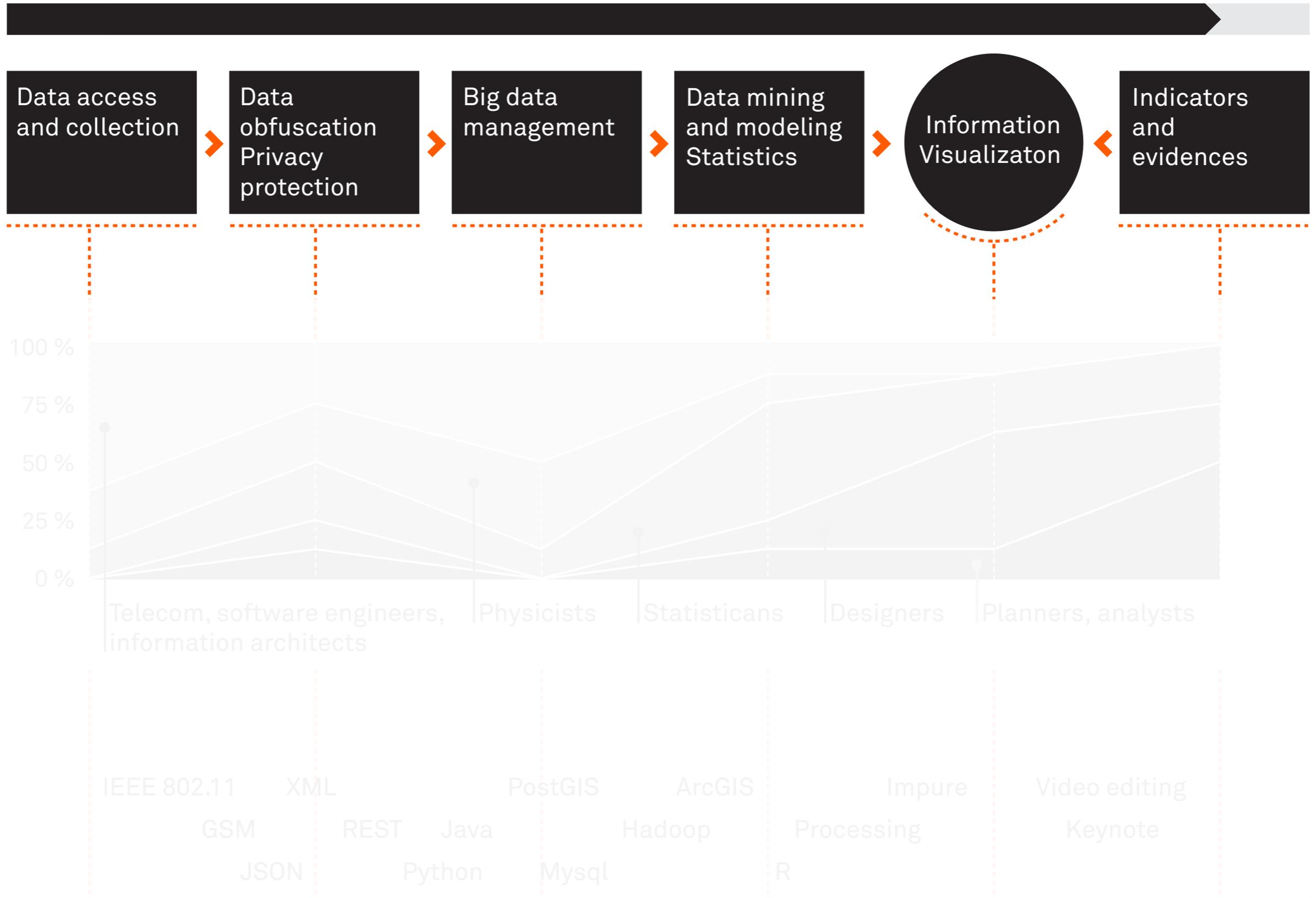


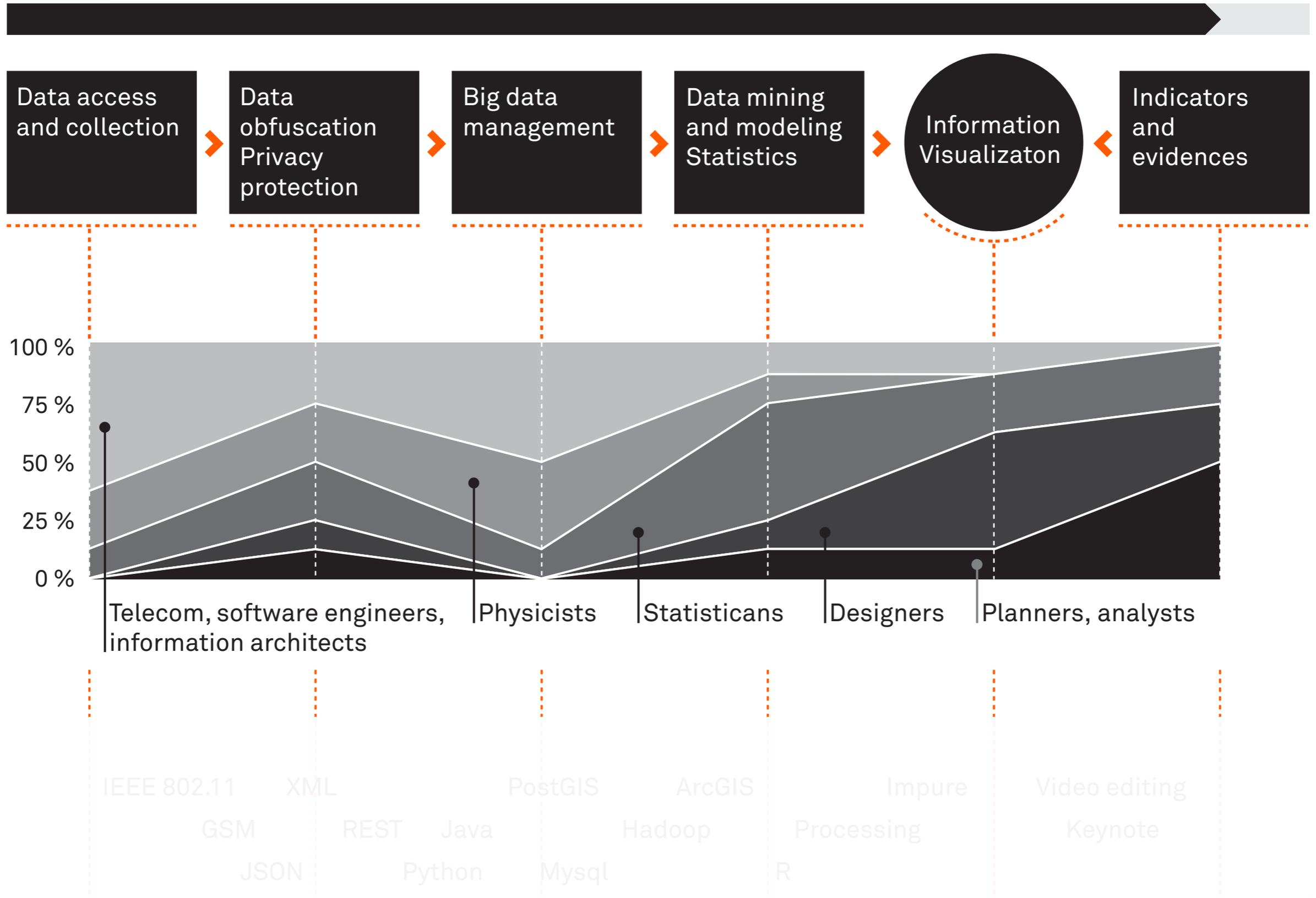


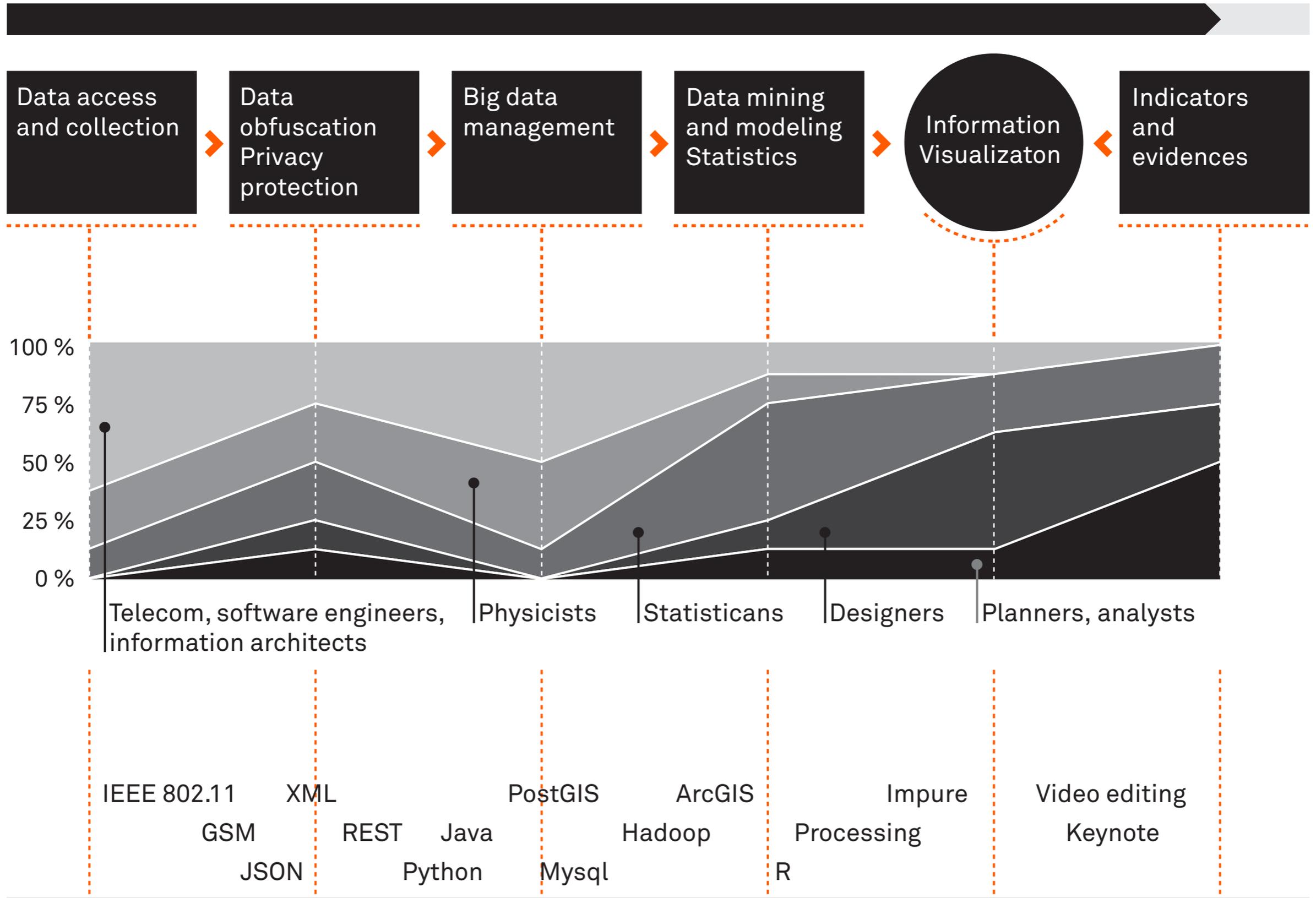


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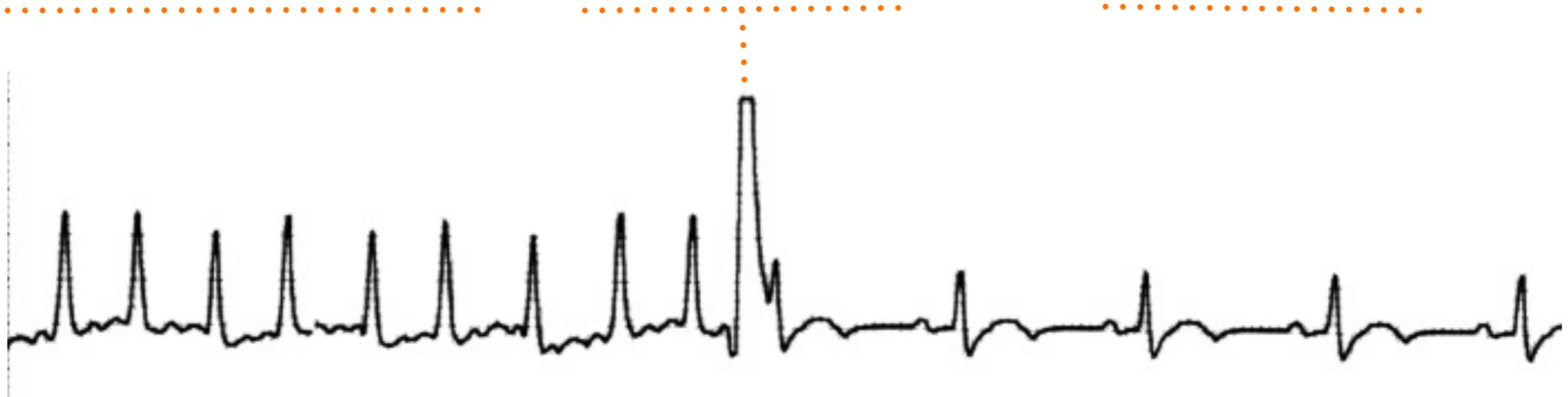




Heart Rythm in Atrial Fibrillation

Cardioversion (Shock)

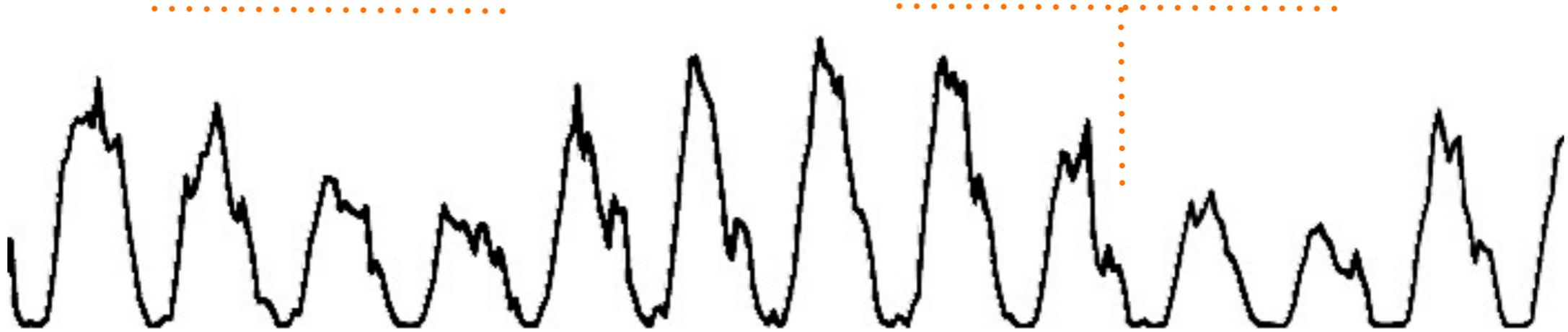
Normal Heart Rythm



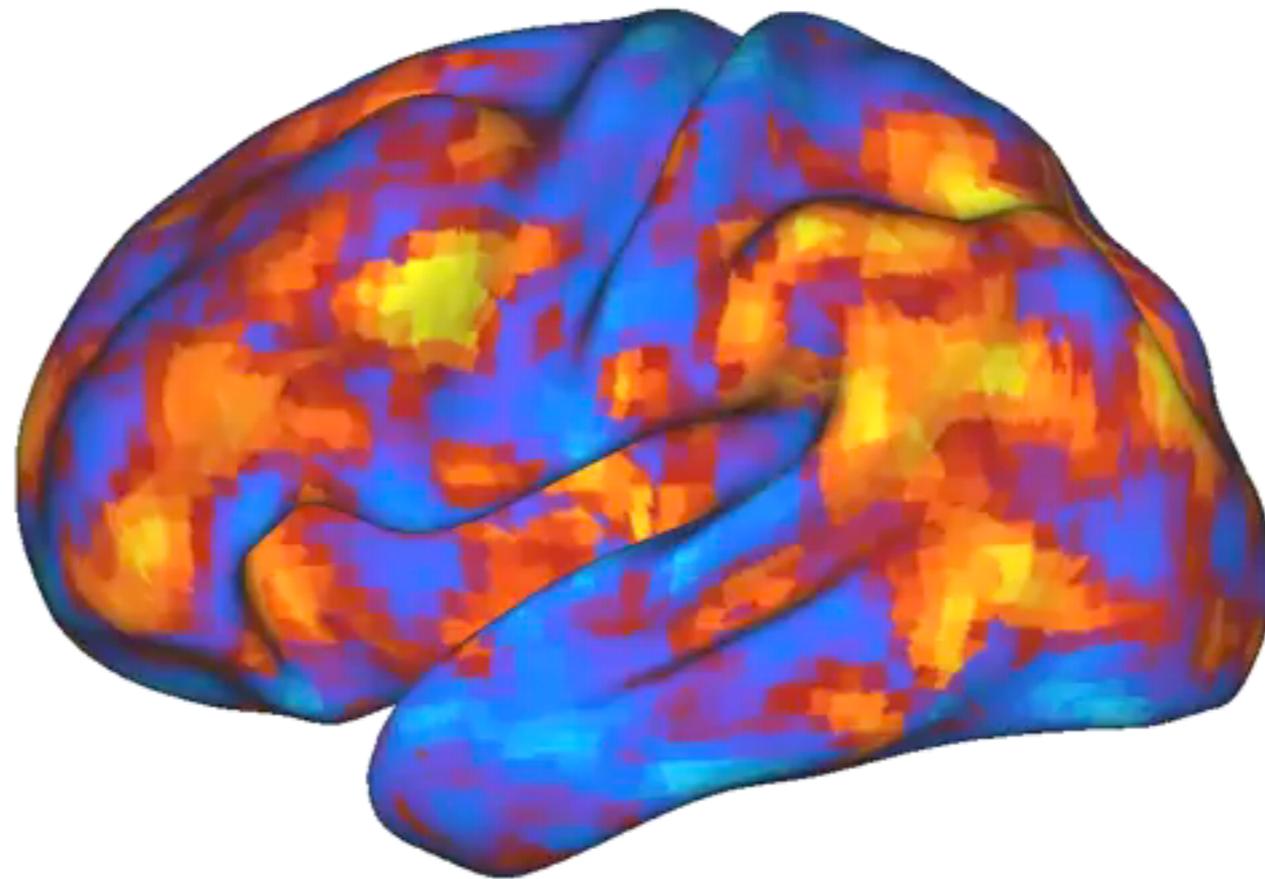
Coeur

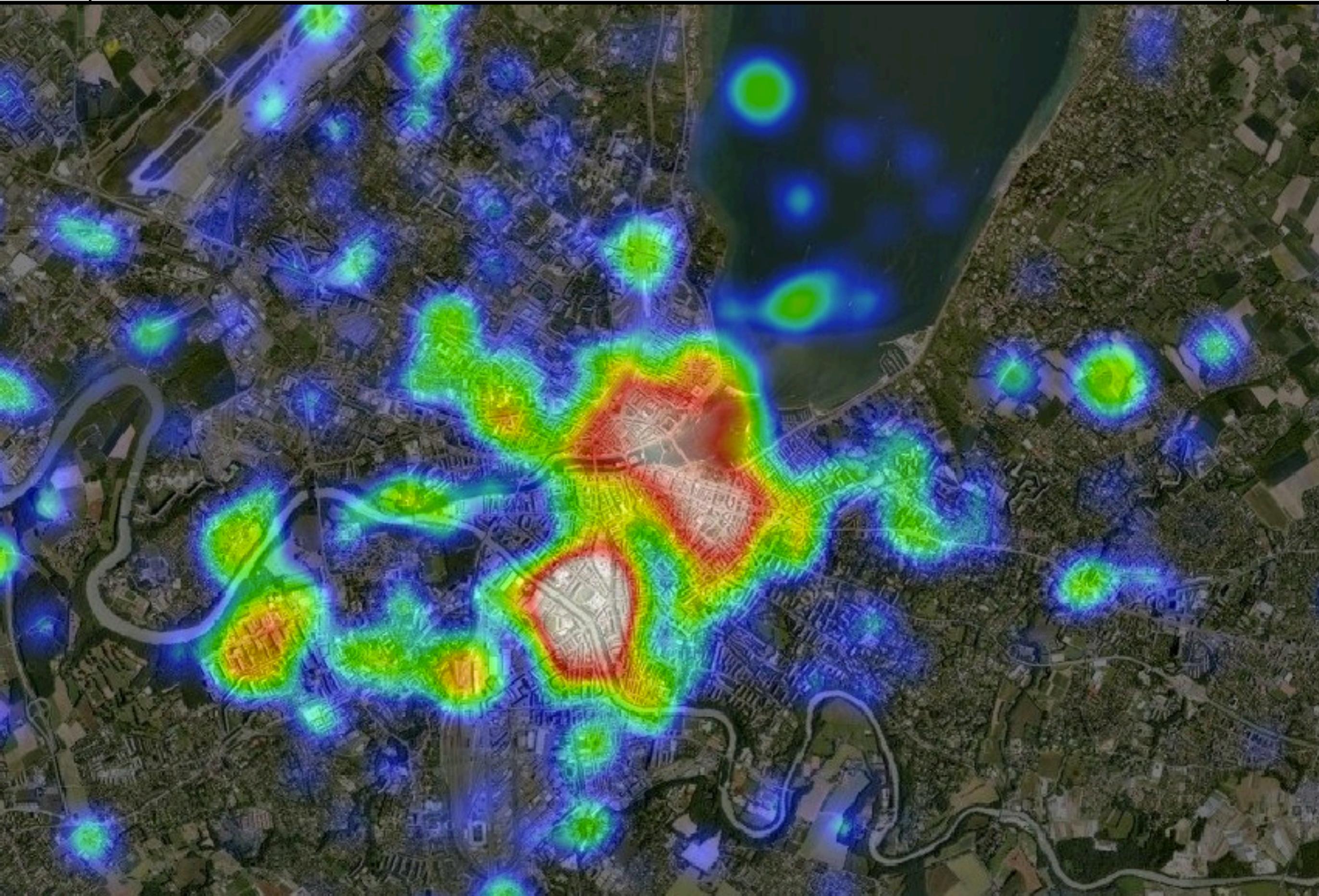
Normal Weekend Rythm

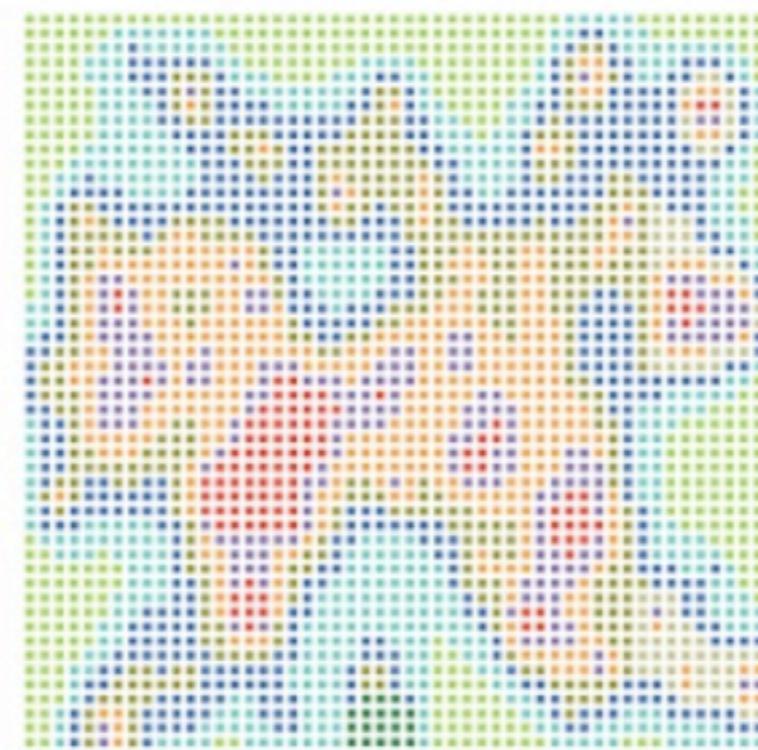
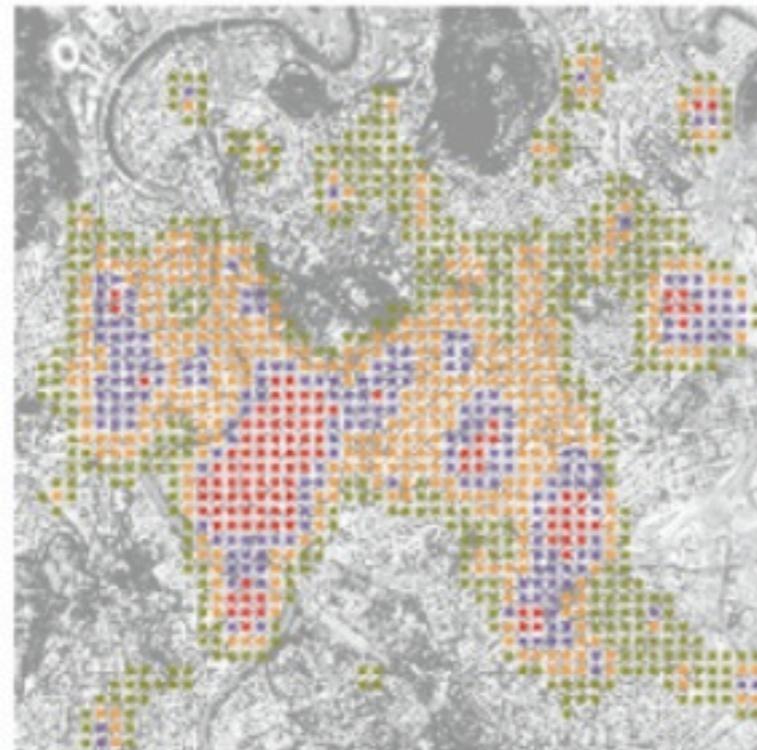
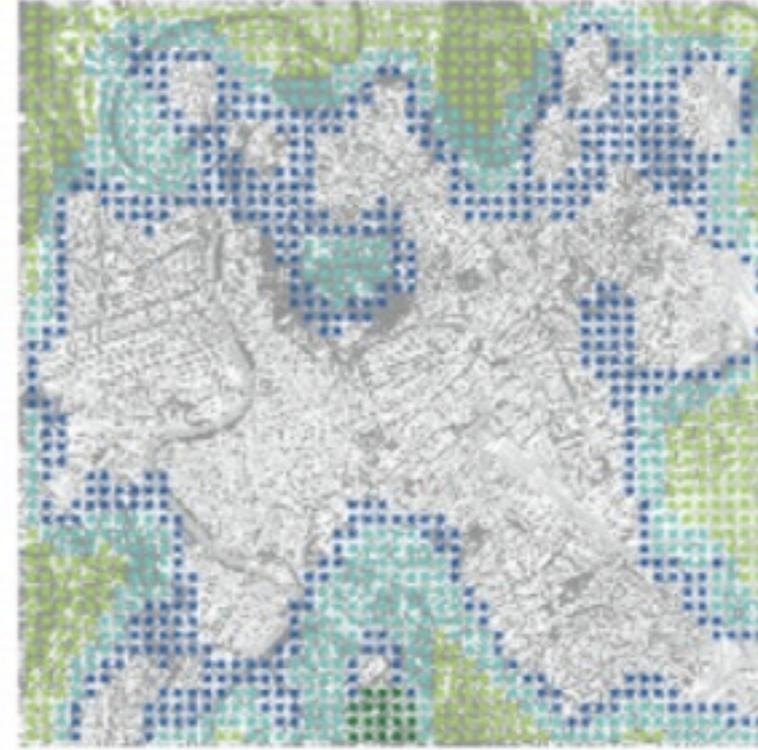
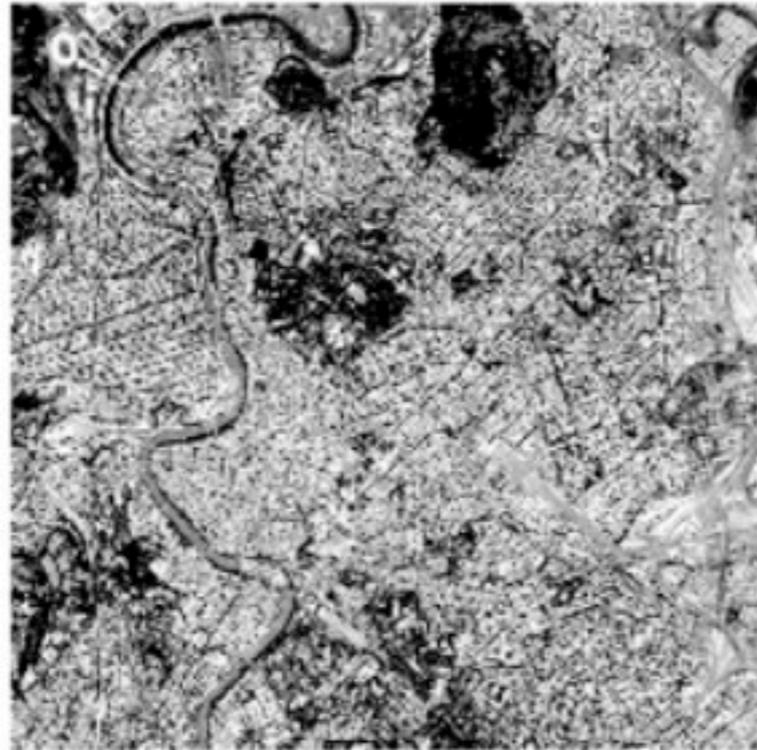
Evening events (Disturbance)



Antenne de réseau GSM



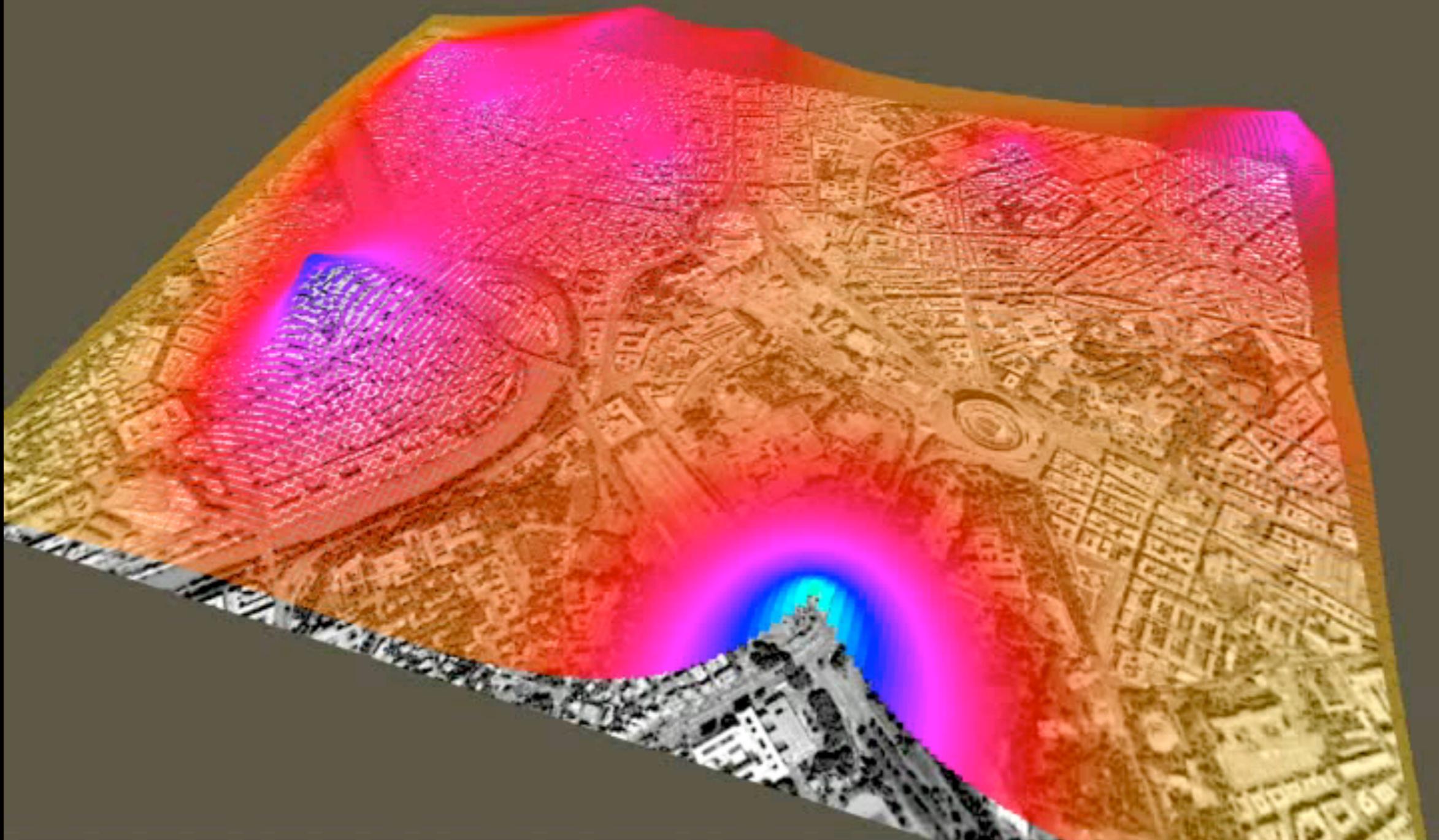




• Cluster 1 • Cluster 2 • Cluster 3 • Cluster 4 • Cluster 5 • Cluster 6 • Cluster 7 • Cluster 8

World Cup Final
Cellphone activity in Circo Massimo, Rome
2006-07-09

23:00
Penalty kicks begin
World Cup match ends. Italy 5-3 France
Italy captain Fabio Cannavaro holds up World Cup





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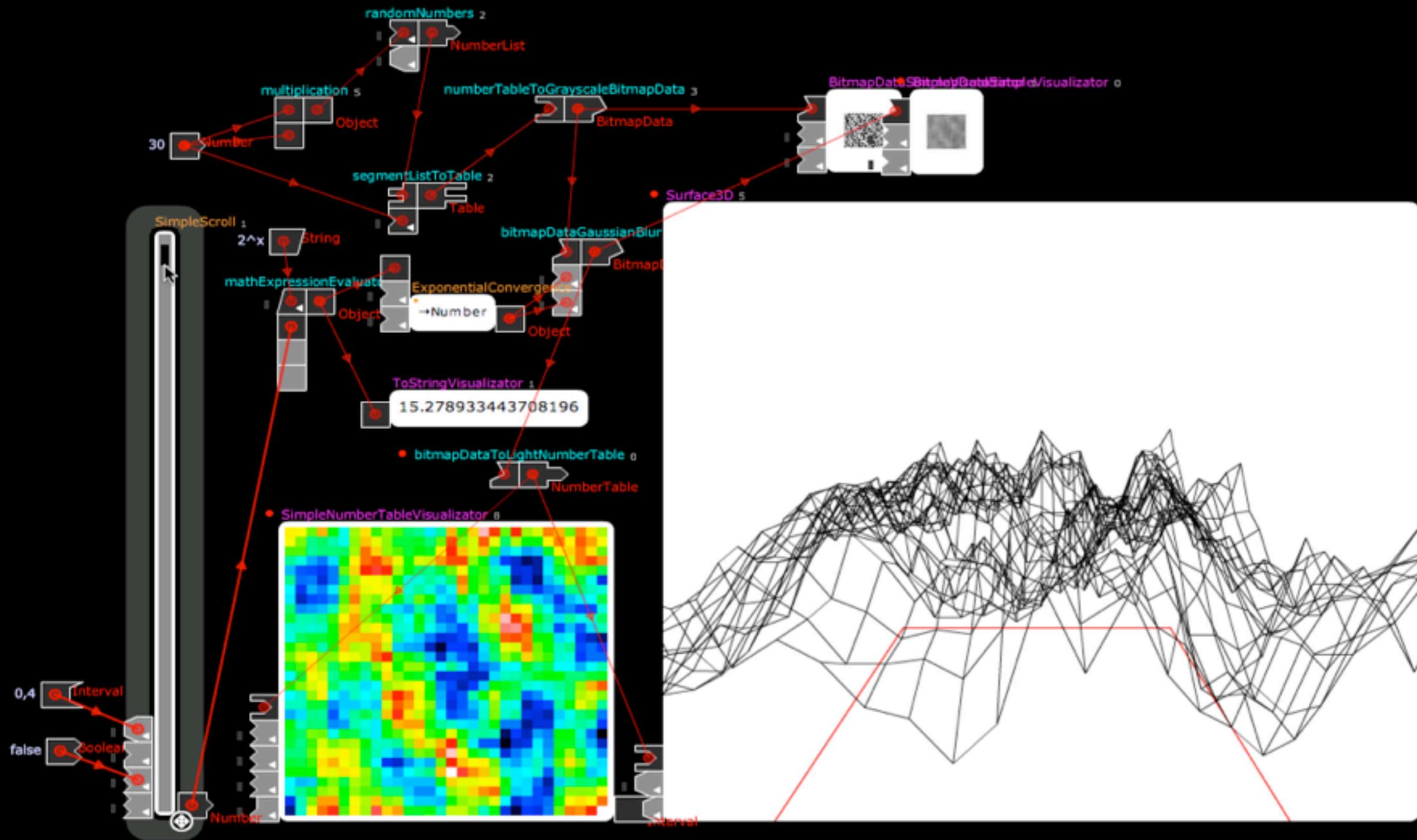
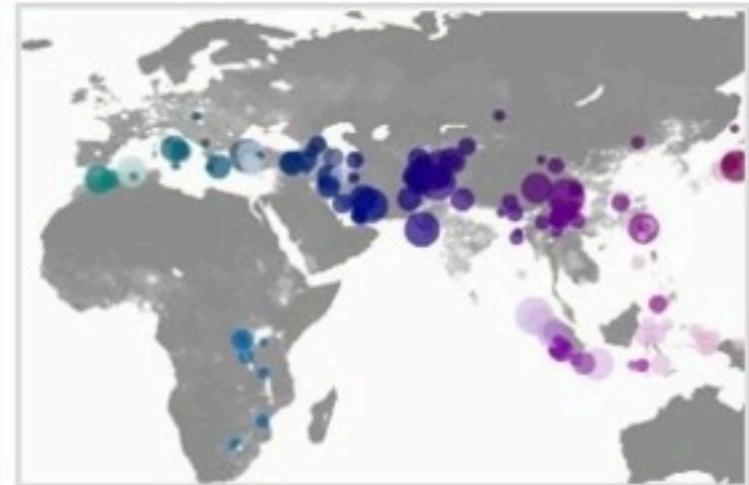
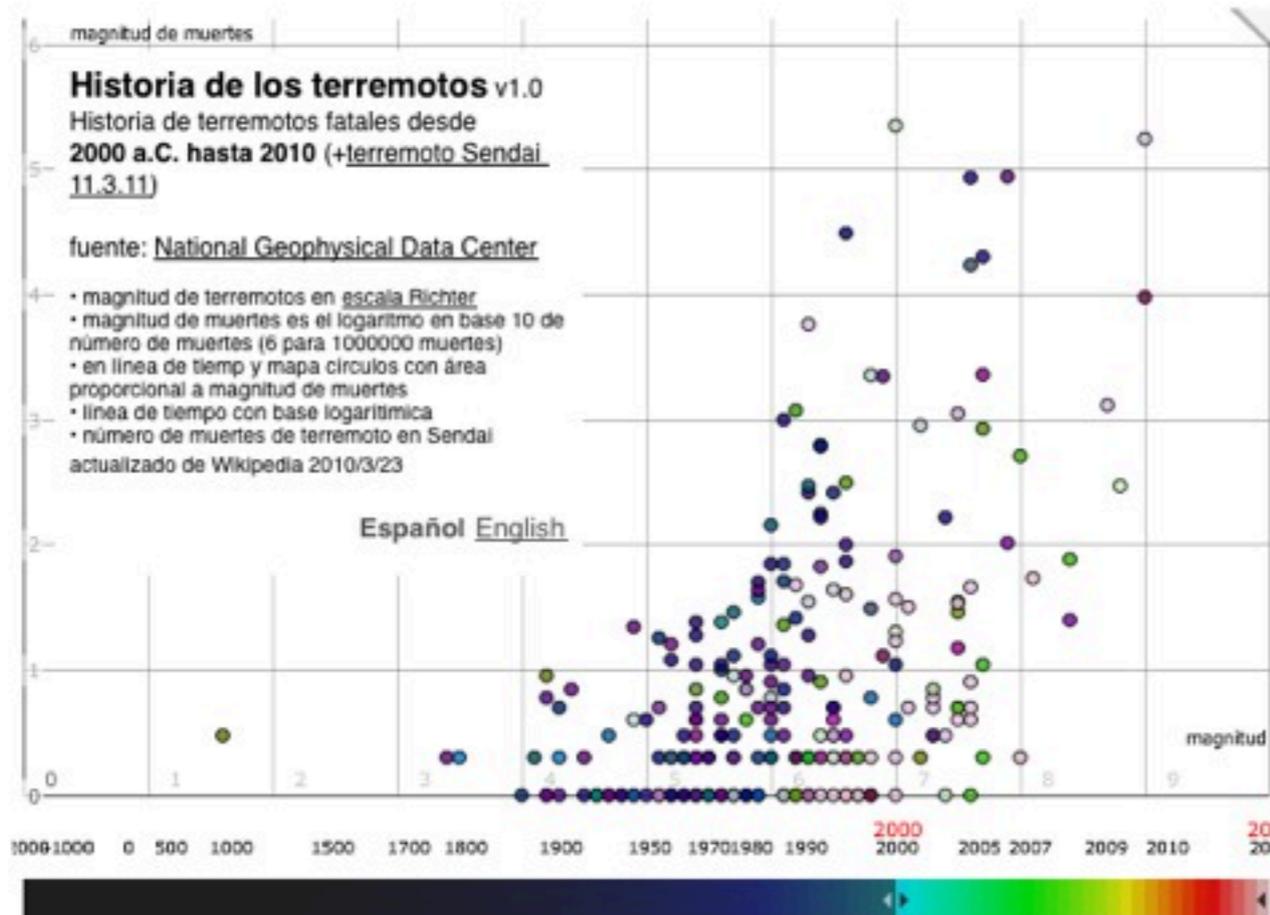


GRÁFICO INTERACTIVO

Gráfico interactivo: terremotos con víctimas mortales a lo largo de la historia

Sucesos | 15/03/2011 - 10:00h



Captura del gráfico interactivo elaborado por Bestiario en el que se muestran todos los terremotos con víctimas mortales a lo largo de la historia. LaVanguardia.es

Publicidad

Nuevo Opel Corsa desde 9.600€

Legal [Pruébalo](#)

Publicidad





A qui appartient quoi?

Une évolution de la notion de vie privée?





Les données racontent une
histoire et non l'histoire

Les limitations des modèles



Bloomberg
03:09 PM ET 13 JUL

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NYSE *with international* 44.49 ▼ 0.72 *Snap-on* 31.49 ▼ 0.57
Nasdaq *Star* 38.57 ▲ 0.08 *Electronic Arts* 43.87 ▲ 0.12

NEWS FLASH FED'S STERN SAYS HIGHER DEFICITS WILL MEAN HIGHER RATES IN LONG TERM

REFERENCES

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- 8: 2009: [Sprint ad: The Now Network](#)
- 10: 2009: [IBM Smarter Planet: Data Analysis and Optimization add.](#)
- 13: 2011: [Democracia Real Ya Real Time Twitter Stream](#) by Daniel Aguilar
- 30: 2010: [Impure Zaragoza Flow](#)
- 39: 2007: [Spontaneous brain activity](#)

PUBLICATIONS

- Reades, J., Calabrese, F., Sevtsuk, A., and Ratti, C. (2007). Cellular census: Explorations in urban data collection. *IEEE Pervasive Computing*, 6(3):30–38.

WEB SITES

- 16: [Tracing the Visitor's Eye](#)
- 21: [Elephant Path](#)
- 22: [Britain From Above](#)
- 42: [Real-time Rome](#)
- 43: [WikiCity Rome](#)
- 45: [Impure](#)
- 46: La Vanguardia: [Gráfico interactivo: terremotos con víctimas mortales a lo largo de la historia](#)

THANK YOU GRACIAS **MERCI** DANKE GRAZIE



FABIEN GIRARDIN

fabien@liftlab.com

www.liftlab.com