The SocioPatterns setup

- RFID sensors
- Close range detection (1,5 m)
- High time resolution (20 s)

www.sociopatterns.org
Uses of the setup

Temporal network

Each 20 seconds, we have a picture of who is in contact with whom.
Uses of the setup

Temporal network

Each 20 seconds, we have a picture of who is in contact with whom.
Uses of the setup

Temporal network

Each 20 seconds, we have a picture of who is in contact with whom
## Previous studies

<table>
<thead>
<tr>
<th>Location</th>
<th>Year</th>
<th>N</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>French Health Observatory</td>
<td>2015</td>
<td>232</td>
<td></td>
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<tr>
<td>Hospital</td>
<td>2010</td>
<td>81</td>
<td>Vanhems, Barrat, Cattuto et al, PLoS ONE 8(9):e73970, 09 2013</td>
</tr>
<tr>
<td>Rural household</td>
<td>2016</td>
<td>75</td>
<td>Kiti, Tizzoni, Kinyanjui et al EPJ Data Science 5:21, 2016</td>
</tr>
</tbody>
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The study

Data

Contact data
Temporal contact network

Survey data
- Sociodemographic information
- Personality test

Problematics
- What are the mechanism of social interactions in a scientific conference?
- How do personality traits correlate with social behaviour?
- How do personality traits correlate with each other?

In collaboration with:
- The Survey Design & Methodology Dept. at GESIS
- The Centre de Physique Théorique in Marseille
- The ISI Foundation in Turin
Anonymity

Participation is voluntary
- Everyone is free to join or to opt out

Data is anonymous
- One 4-digit ID number for both the contact data and the survey data
- No record of the real identities
- No record of any other signal (GPS, sound, etc)

Opt out is possible at any moment
- Opt out at any time by coming at the registration desk
- After the Symposium, opting out is possible with your anonymous ID
Join in!

Don't forget to return your sensor at the end of the Symposium