



User

OUTDOOR LBS

**RELATIONSHIP
USERS, PROVIDERS, AND PLACE**

Provider

Place

**Hélène Draux, Søren Præstholt, Anton Stahl Olafsson,
Niels Ejbye-Ernst, Lasse Møller-Jensen, Thomas Theis
Nielsen, Carsten Nielsen**

LOCATION SERVICES USED OUTDOOR

location

easy to display;
can browse for **locations**

navigation

guiding the **user** to a specific **location**;
locations are easy to reach even without knowing
the area.

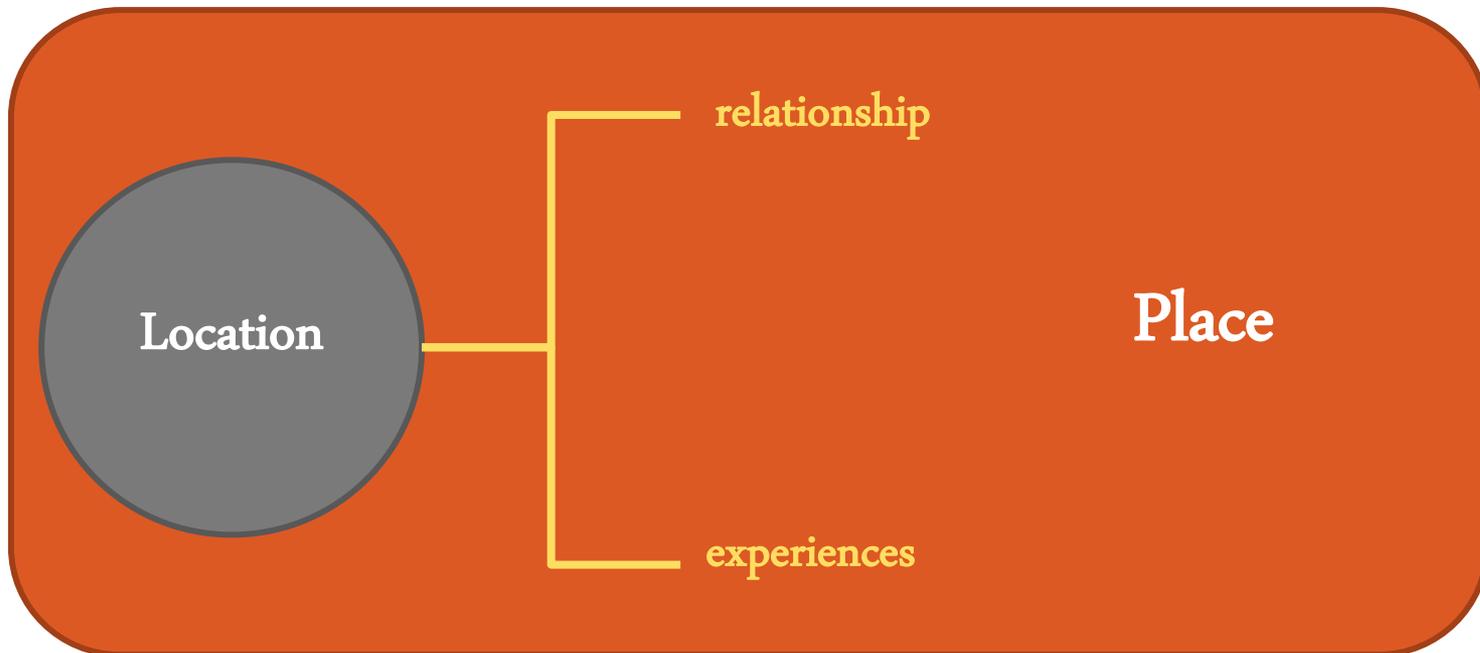
distance

measure distances
enhances decisions and experience

PLACE

Place is a **location** with a **meaning**.

Place are formed by **relationships** and **experiences** to a **location** (Kruger 2006).



PLACE-MAKING

construction and negotiation of **knowledge** of a place
(Kruger 2006)

includes **expert** and **local** knowledge,

and **beliefs** or **ideas** about a place,

as well as deeper, more **emotional**, and **symbolic**
relationships between a person or group and a place
(Williams 2014).

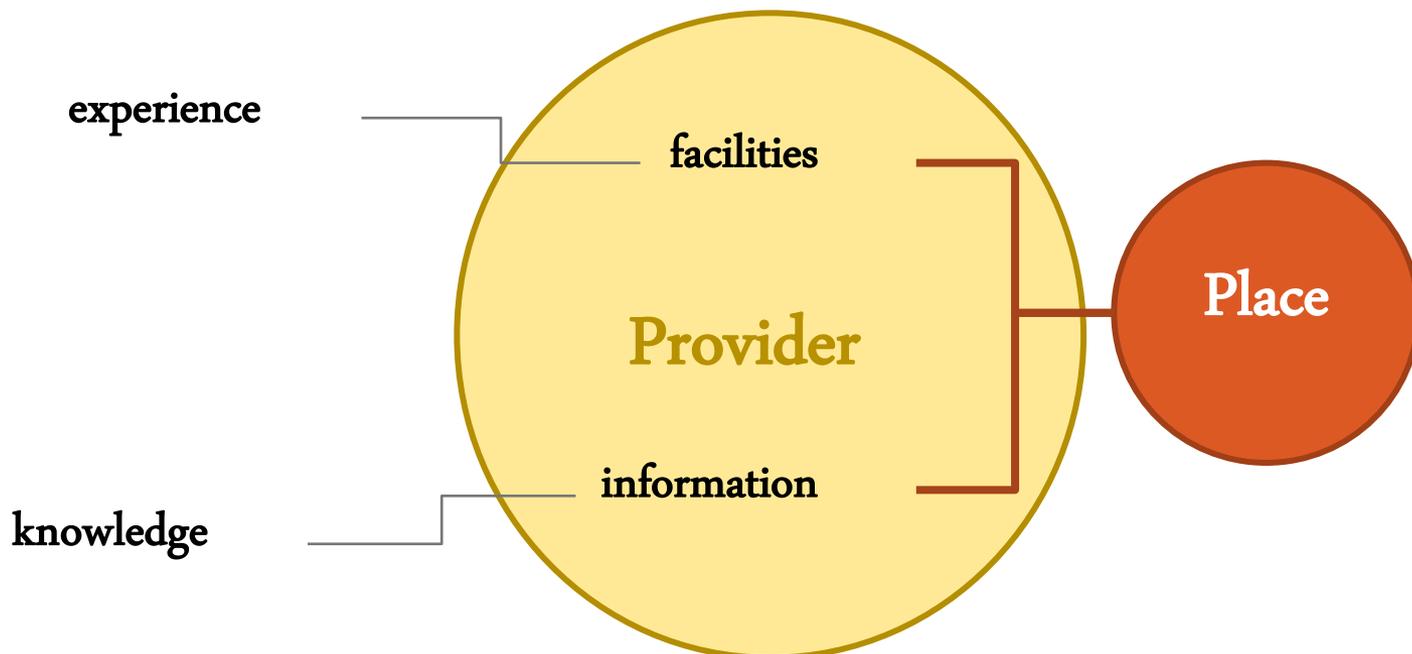


PLACE-MAKING

Providers: Planners and managers of outdoor recreational

**Provide facilities (trails, tourist infrastructures, ..)
that participates in experiencing places**

Provide information that creates place knowledge



PLACE-MAKING

Place-making is '*branding*' of the outdoor
(tourism or recreation)

Adding *information* to *location* creates 'place'

Actors

user

place/location

provider

THIS RESEARCH

Context

Smartphone with a GPS

Provider as a stakeholder (planner, managers and community)

Outdoor: Recreation and tourism

Research questions

What are the **possible interactions** between the provider, users, and the place/location?

How does this affect place-making?

INFORMATION



INFORMATION - Shelter

The screenshot shows the SHEL-ER app interface. At the top, there's a header with a dropdown arrow, the text 'SHEL-ER', and a sad face icon. Below that, an orange bar displays a location pin icon, '2 km', 'Viby J', and a star icon. A map below shows a location near 'ÅRHUS' with a red pin and the word 'Legal' at the bottom left. Below the map, there are four icons with text: a location pin for 'Irisvej', a phone for 'Intet telefonnu...', an envelope for 'teltpladser@friefug...', and a globe for 'http://www.oid...'. The main text describes the property: 'Ejendommen er beliggende i naturskønne omgivelser tæt på Brabrand søen direkte ned til Brabrandstien ca. 6 km fra Århus Centrum. Underlaget er græs omgivet af høje træer. Indkøb: 2 km. - Fra Århus: Nordlige Brabrandsti: hvor åen møder Brabrand sø drejes til venstre over broen, fortsæt lige ud langs kolonihaverne, drej til venstre hvor stien deler sig. Henv. på B&B Constantia II. Sydlige Brabrandsti: efter kolonihaverområdet og bueet'. To the right of the text is a grid of icons: a house with trees, a tent, a fire, a trash can, a shower, a picnic table, a stroller, a wheelchair, a dog, and a horse.

SHEL-ER

2 km Viby J

ÅRHUS

Legal

Irisvej Intet telefonnu...

teltpladser@friefug... http://www.oid...

Ejendommen er beliggende i naturskønne omgivelser tæt på Brabrand søen direkte ned til Brabrandstien ca. 6 km fra Århus Centrum. Underlaget er græs omgivet af høje træer. Indkøb: 2 km. - Fra Århus: Nordlige Brabrandsti: hvor åen møder Brabrand sø drejes til venstre over broen, fortsæt lige ud langs kolonihaverne, drej til venstre hvor stien deler sig. Henv. på B&B Constantia II. Sydlige Brabrandsti: efter kolonihaverområdet og bueet

FEEDBACK



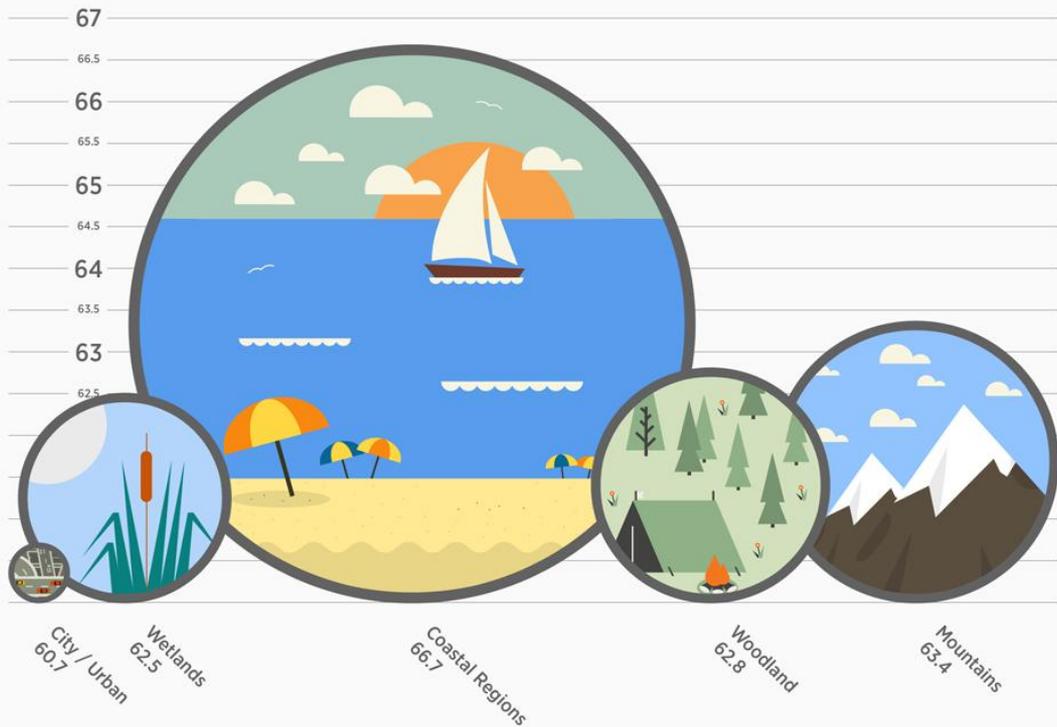
FEEDBACK - Mappiness



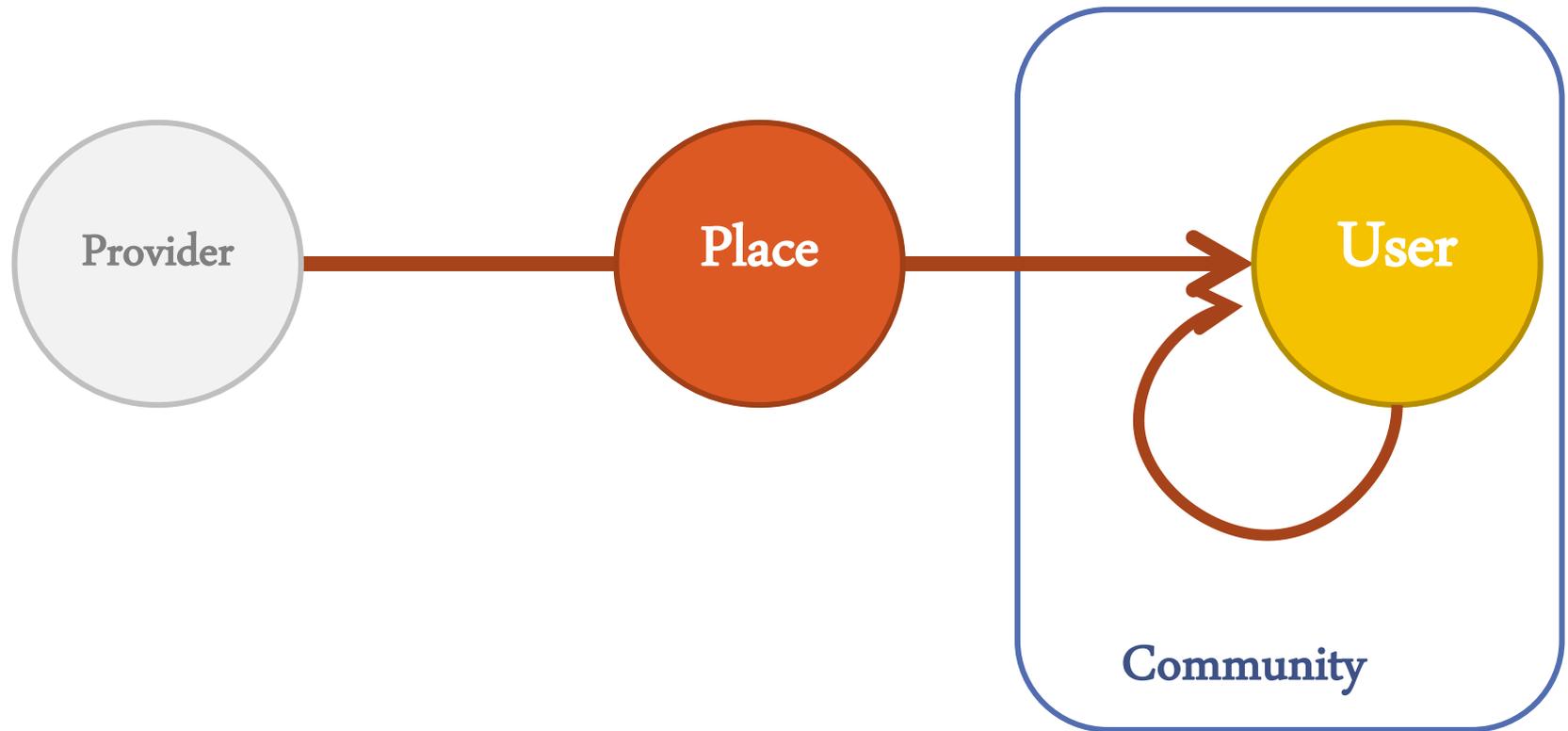
FEEDBACK - Mappiness

VISUALISING MAPPINESS

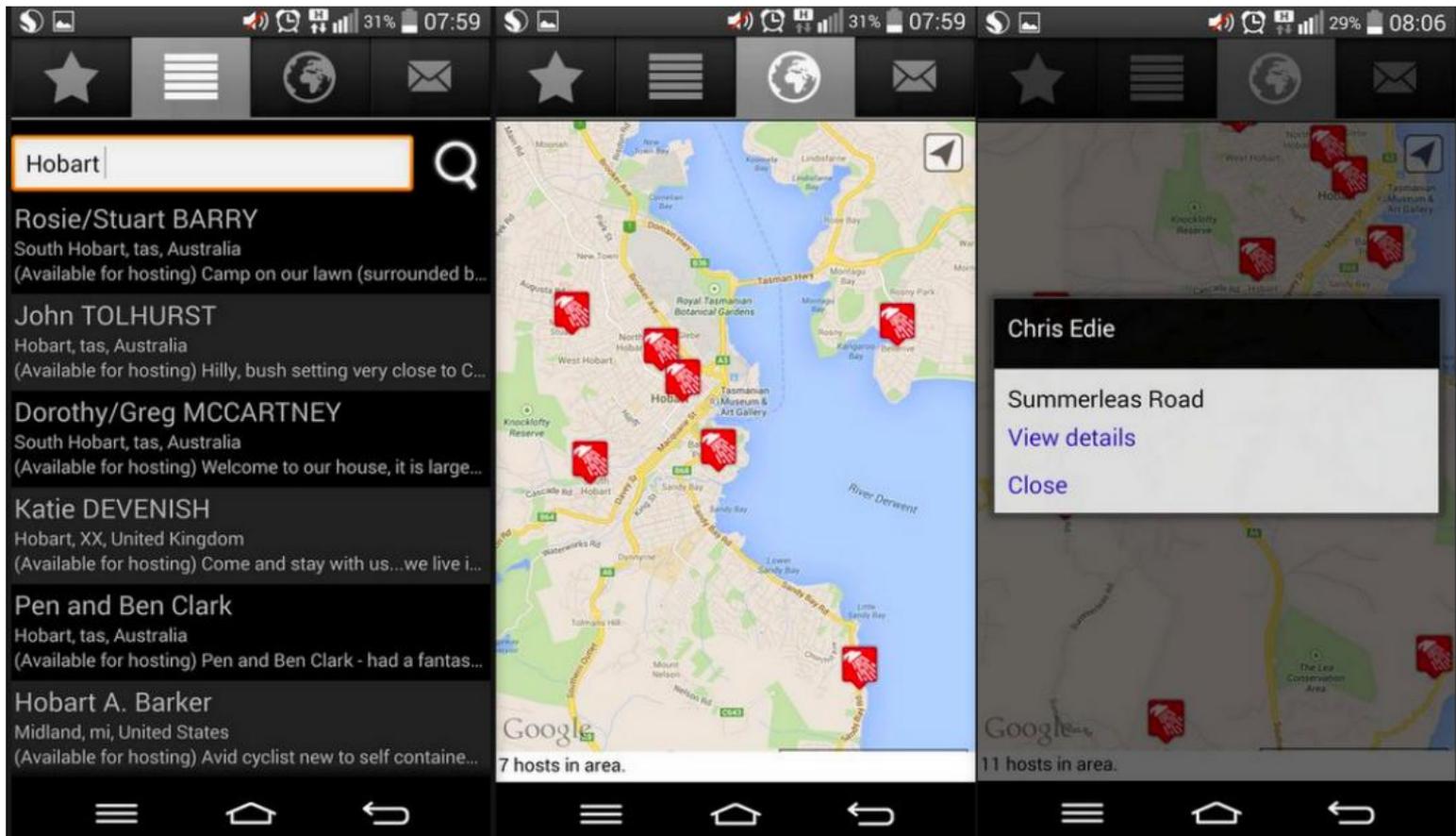
PART ONE: WHERE ARE WE HAPPIEST?



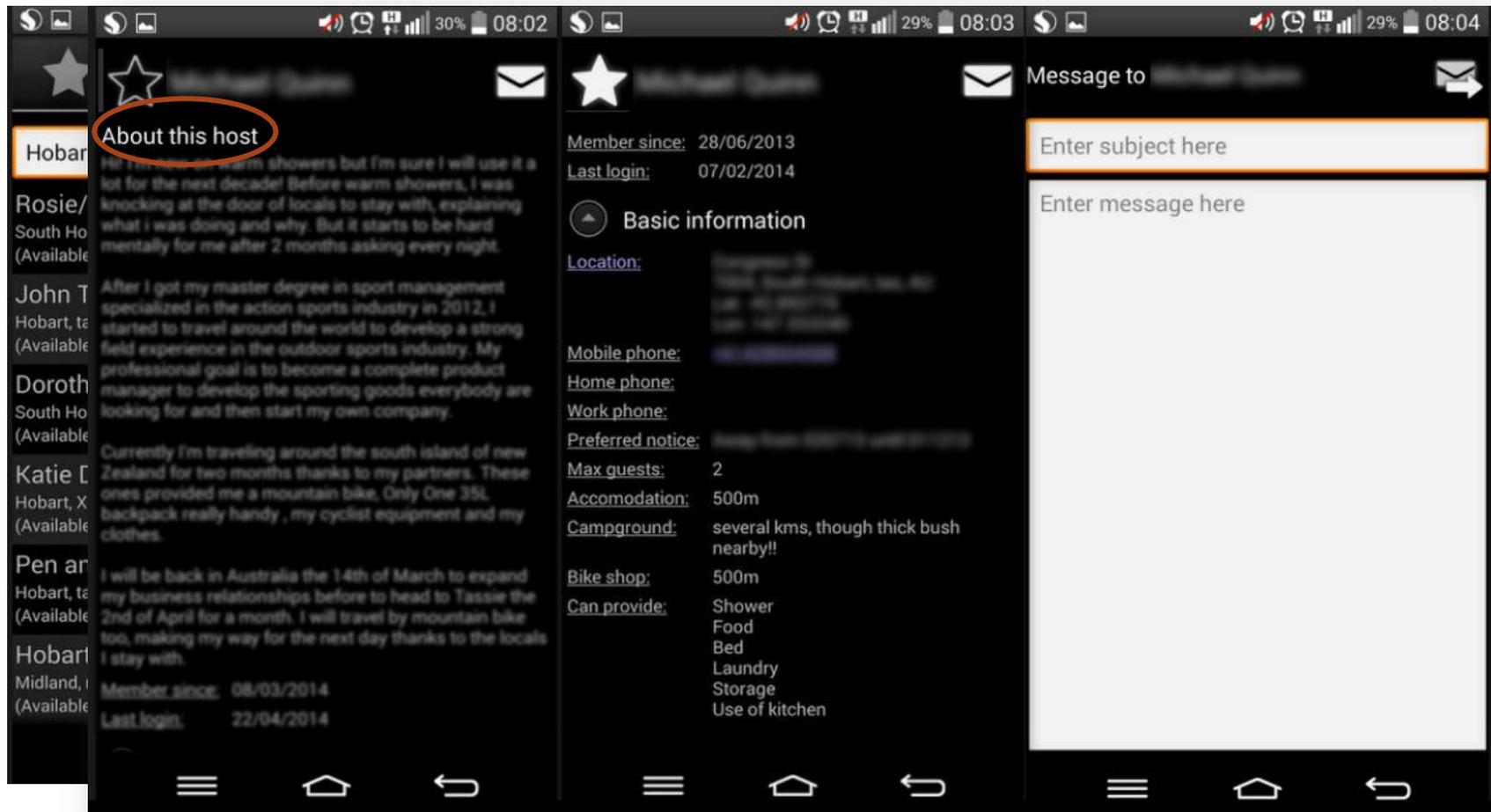
INTERACTION



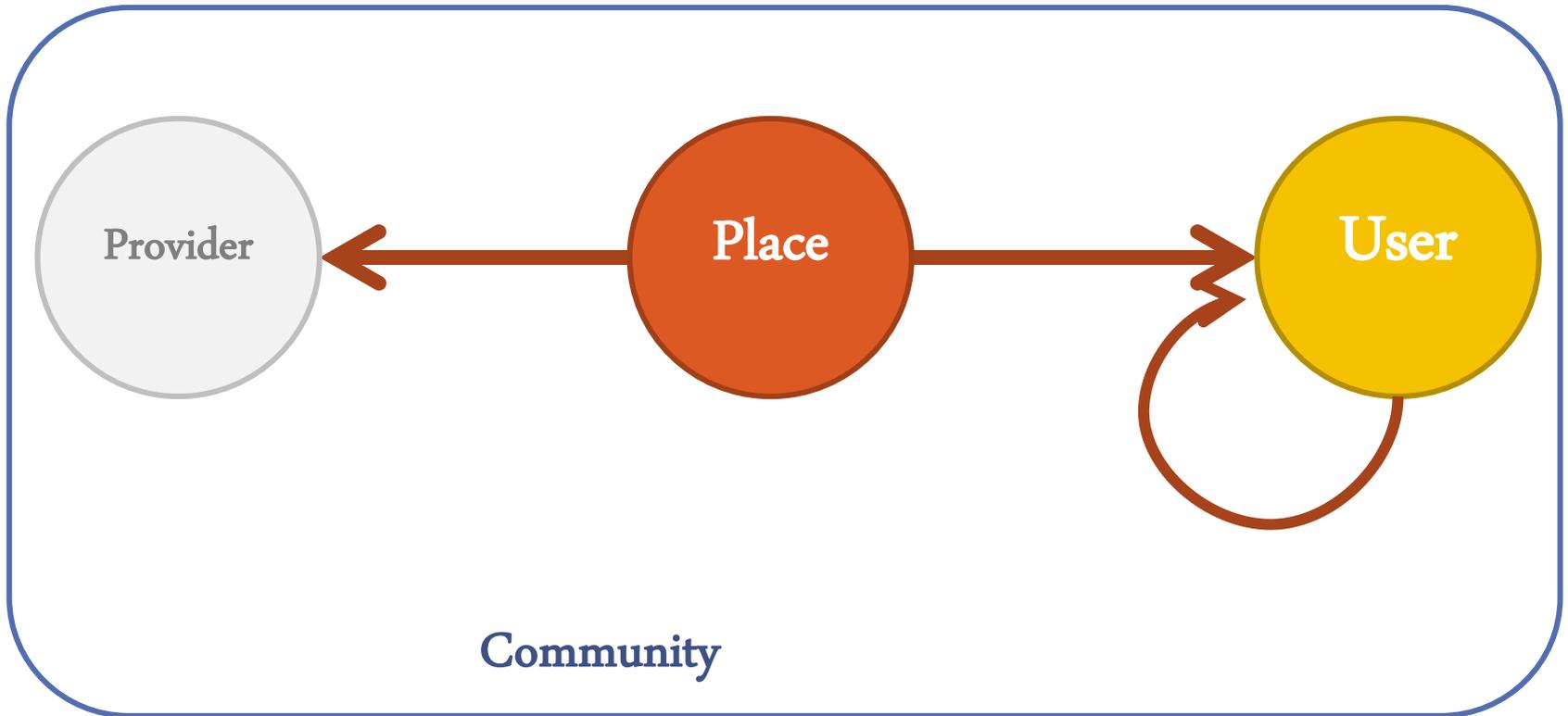
INTERACTION – Warm Showers



INTERACTION – Warm Showers



PARTICIPATION



PARTICIPATION - Commons

The image displays two screenshots of the Commons mobile application interface. The left screenshot shows a map of New York City with various districts highlighted in different colors. The right screenshot shows a task card for 'Stellan' with a question about bringing NYC pride to the City Hall area, a suggested answer, and a photo of a person at a table.

Left Screenshot:

- Carrier: Telenor DK, Signal strength: 22.54
- Header: Help, COMMONS
- Instruction: Tap a colored district to find City Tasks
- Map: Shows districts including Battery Park City, Lower Tribeca, West Financial District, East Financial District, East River, Lower Tip, Civic Center, and Bklyn Bridge.
- Bottom Bar: City Tasks (wrench icon), Scores (trophy icon), Activity (people icon)

Right Screenshot:

- Carrier: Telenor DK, Signal strength: 22.53
- Header: Scores, COMMONS
- User: Stellan (with profile picture)
- Task Question: How could we bring more NYC pride to the City Hall area?
- Suggested Answer: *We can bring more games and social activities around the city hall.*
- Votes: 8 vote(s)
- Image: A person sitting at a table outdoors.
- Map: A map of New York City with a green pin on City Hall.
- Bottom Bar: City Tasks (wrench icon), Scores (trophy icon), Activity (people icon)

CONCLUSION

Location Based Services

Create 4 types of interactions between provider, user and place.

information

feedback

interaction

participation

Contribute to knowledge creation about places and enhance place-making



User

OUTDOOR LRS

Thanks!

Place

Provider

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Information is a mode of interaction where the user receives localised data from a provider regarding a place.

Considering the mirroring communication, from user to provider, **Feedback**, is corresponds to users giving information to a provider about a place.

Adding the possibility of users to communicate with each other, **interaction**, is when the users share information with each other about a place.

Finally, applications where provider and users exchange information, consist of **participation**.