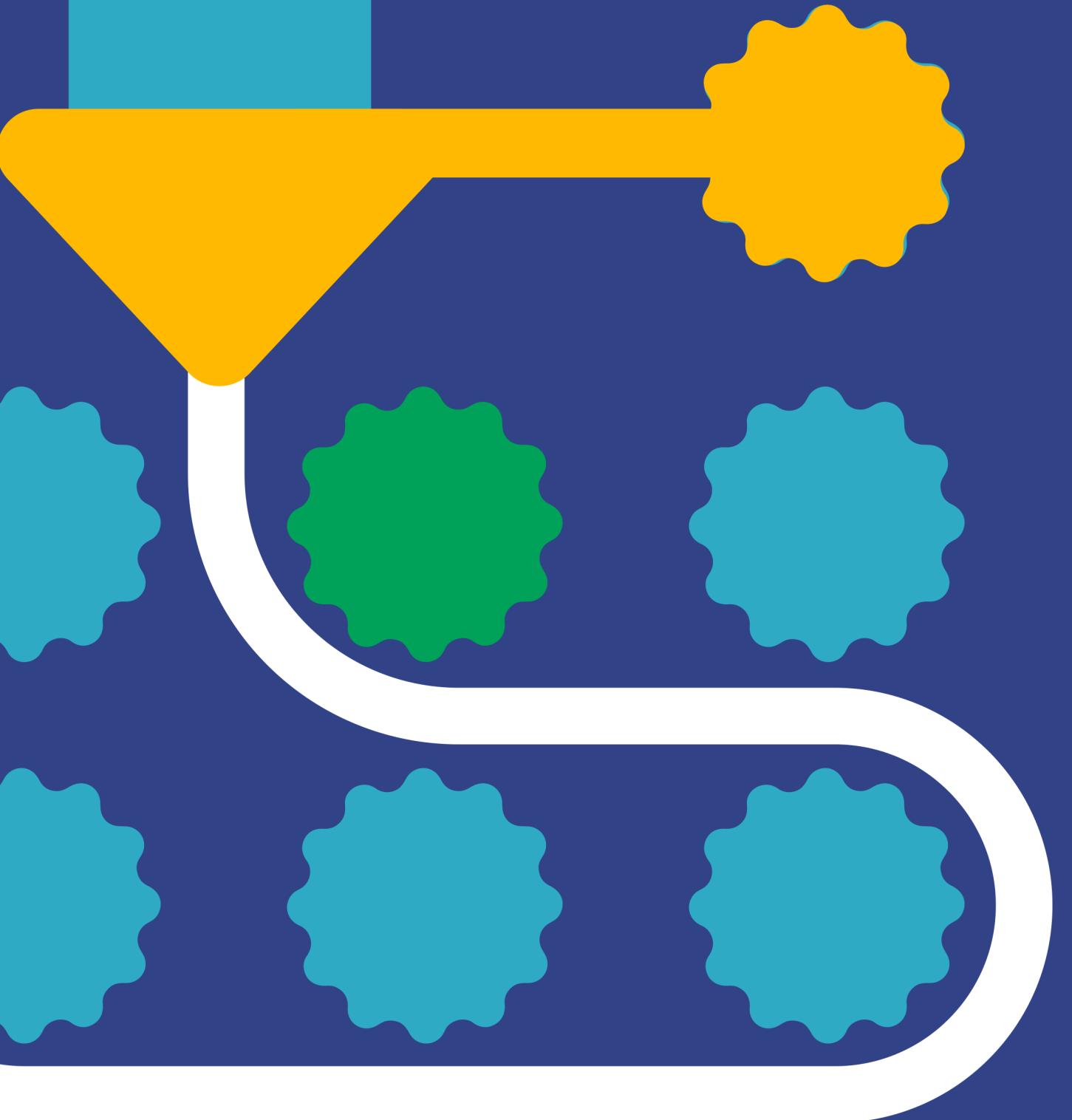
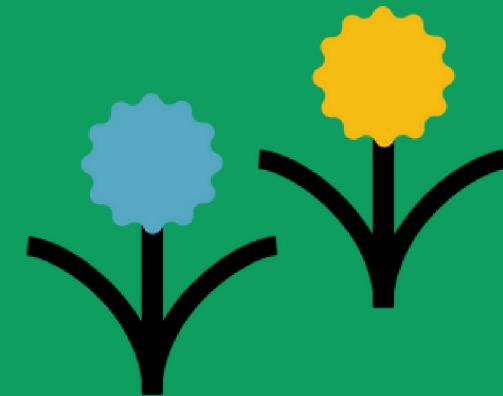


GOTA HUB

WATER HARVESTING





Muriel Reza Sánchez
GEDI - Exchange
Student

MEXICO



Hanna Skeidsvoll
GEDI - Exchange
Student

NORWAY



Andrea Somenzi
GEDI - Exchange
Student

ITALY

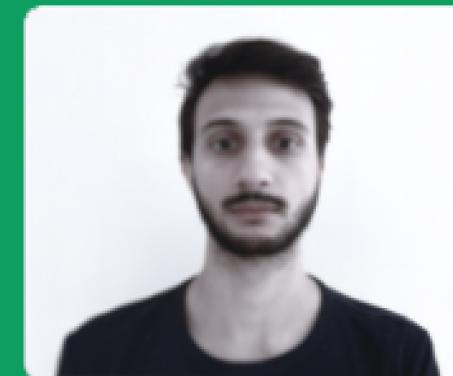
SOUL + SYSTEM

**"IT'S (STILL) TOO LATE TO BE
PESSIMISTIC**



Mungo Moje-O'Brien
GEDI - Exchange
Student

AUSTRALIA



Andrea Fiocca
GEDI - Exchange
Student

ITALY

GOTAHUB

“ We create a link between hotels and community gardens around the city to provide water for irrigation... ”

+ GOTAKIT

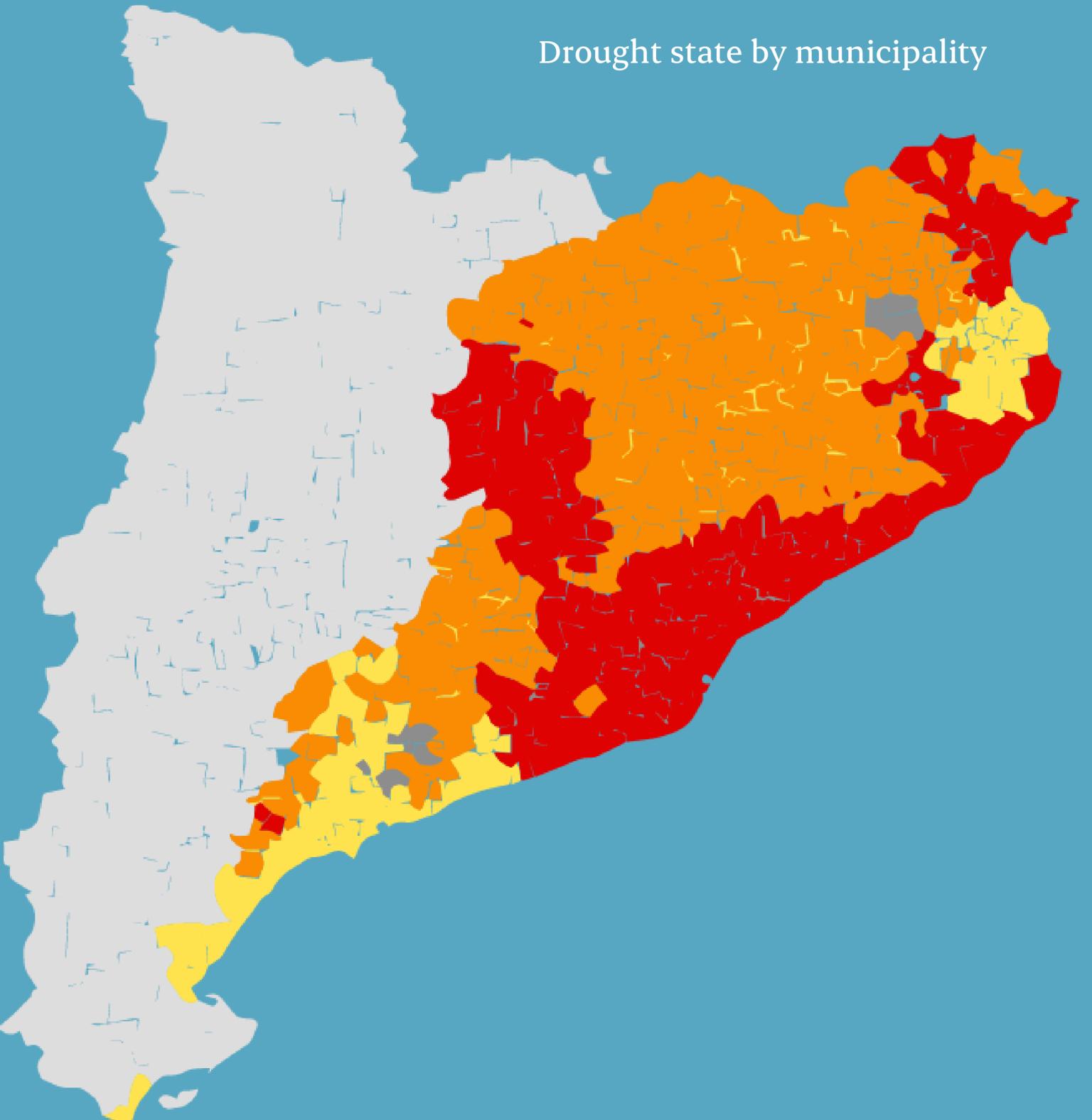
“...by engaging hotel guests to learn about Catalonia’s drought and save shower water with the GotaKit.”



WATER CONSUMPTION IN BARCELONA

In 2007 and 2008, Catalonia faced its worst drought in 75 years, with another emergency declared in 2020.

Barcelona residents consume an average of 108 liters per day (2023), one of the lowest urban consumptions globally.





IMPACTS OF TOURISM

- Catalonia, particularly Barcelona, faces water stress due to urbanization and tourism.
- 90% of Catalonia's population resides in Barcelona, with 70% of tourists visiting the region coming to Barcelona.
- The tourism sector, especially luxury hotels, significantly contributes to high water consumption, with luxury hotels generating 80 liters of waste-water per person per day, compared to 50 liters in private households.
- High tourist numbers and their water consumption behaviors exacerbate water stress in Catalonia.

STAKEHOLDERS



COMMUNITY GARDENS

- Greywater recycling already implemented
- Improvement of water collection methods
- Alternative sources to households
- Bottle-Hacking Opportunity



VALUE PROPOSAL

“We propose an intervention to facilitate waste-water collection in hotels and a plan of distribution to urban community gardens.

Through an engagement kit, tourists will be informed of the local drought and enabled to collect waste-water for community benefit.”



SDGS OF GOTAHUB



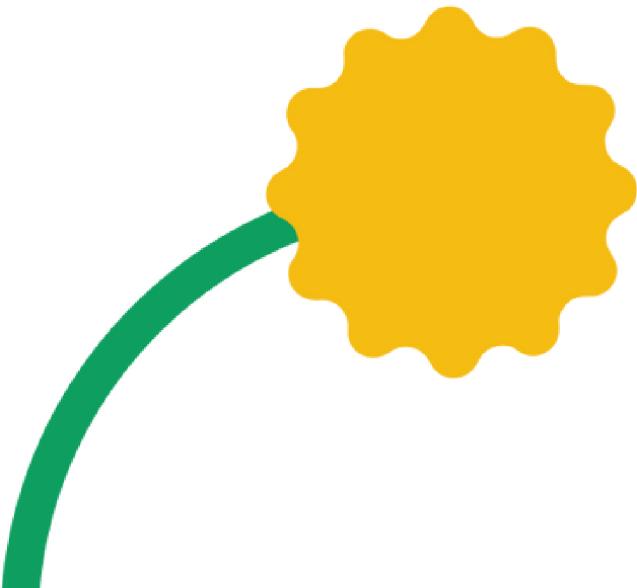
**Ensure availability
and sustainable
management of water
and sanitation for all**



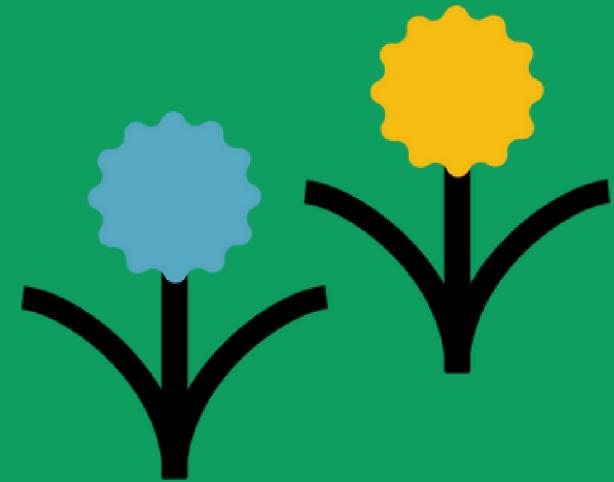
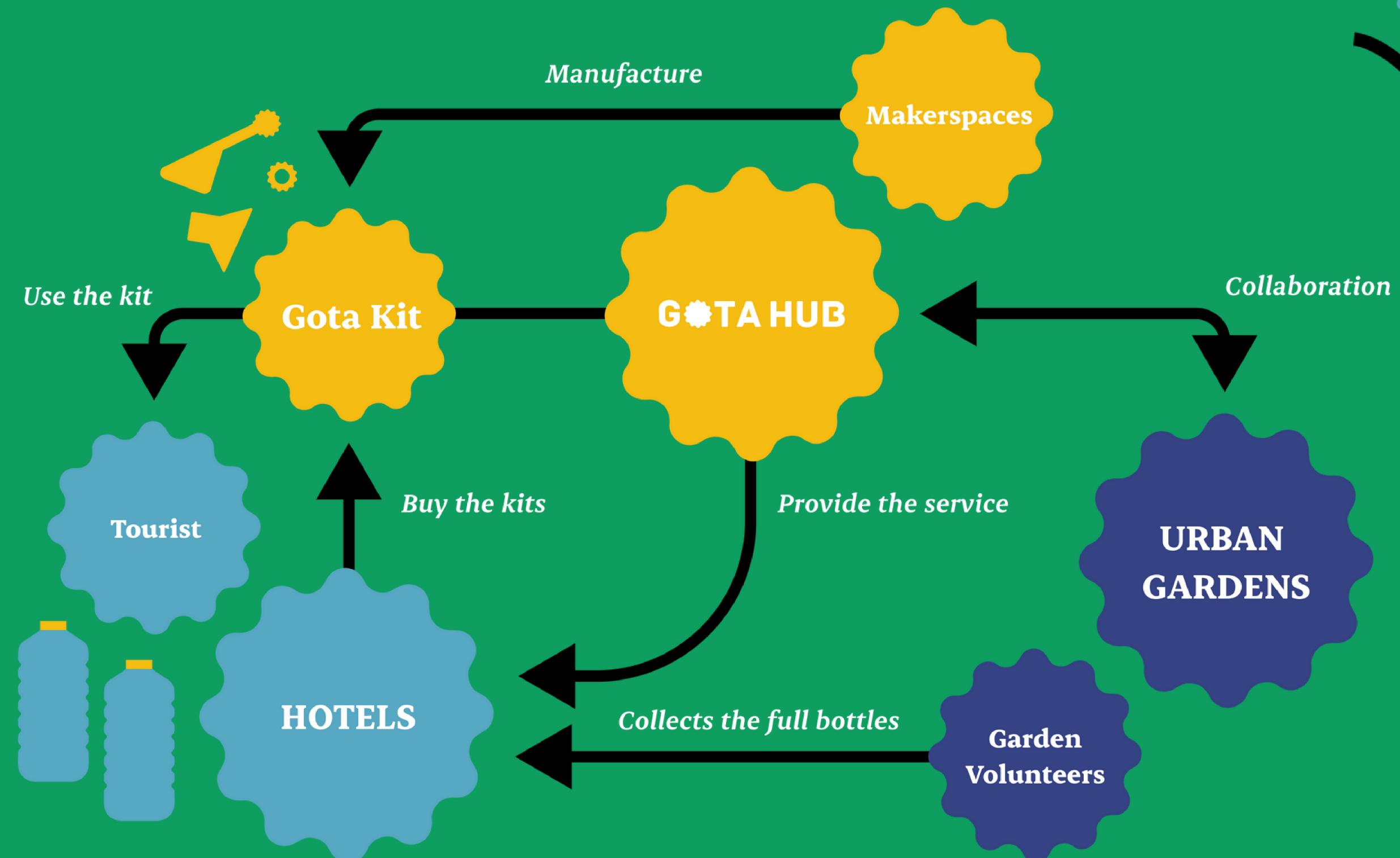
**Make cities and
human settlements
inclusive, safe,
resilient and
sustainable**



**Ensure sustainable
consumption
and production
patterns**



SYSTEM SERVICE OUTLINE



GOTA KIT

3D printed shower attachment with hose, to catch cold shower water at the beginning of showers.

Recycled 8L water bottles with attachment for shower-hose and cap sticker for service identification.

Hotel room brochure for tourist awareness of product and context of system.



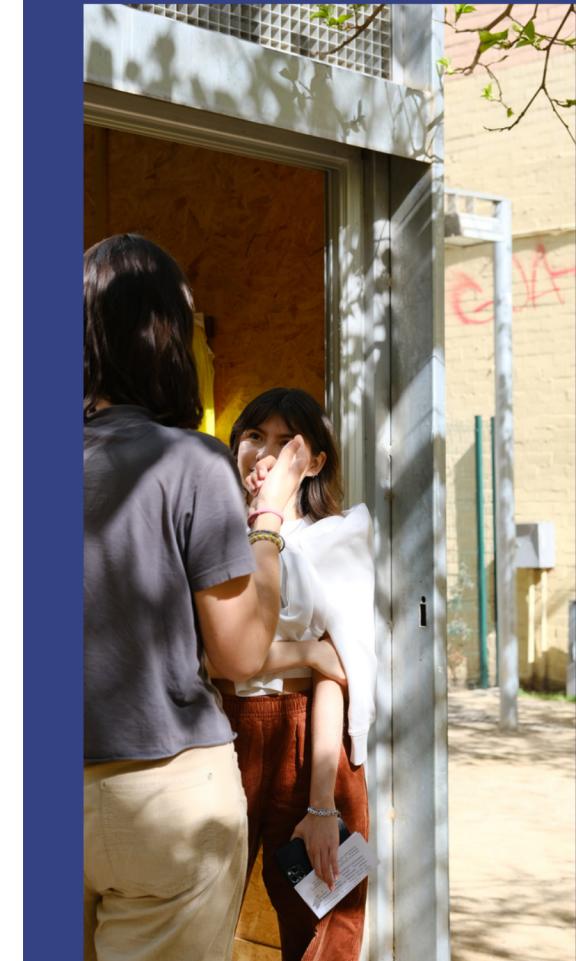
CONCLUSIONS

AIMS OF THE PROJECT:

- Systems-thinking concept
- Holistic and Sustainable Community
- Resource awareness, and
- Symbiotic relationships between local industry and people

LIMITED PRIMARY DATA

- Research and Validation
- Further research required



THANK YOU QUESTIONS?

