

Pocobo!

collecting air pollution data
with a bicycle mounted device

Lukas Pichlhöfer, BSc

Gerfried Mikusch, MSc

Assoc. Prof. Dr. Dipl.-Ing. Hilda Tellioğlu



funded by
 Bundesministerium
Verkehr, Innovation
und Technologie

processed by
 **FFG**
Forschung verbirgt



Getty Images / Photofusion / Contributor



●● PROBLEM

Velo-City 2019, Dublin, Ireland (2)

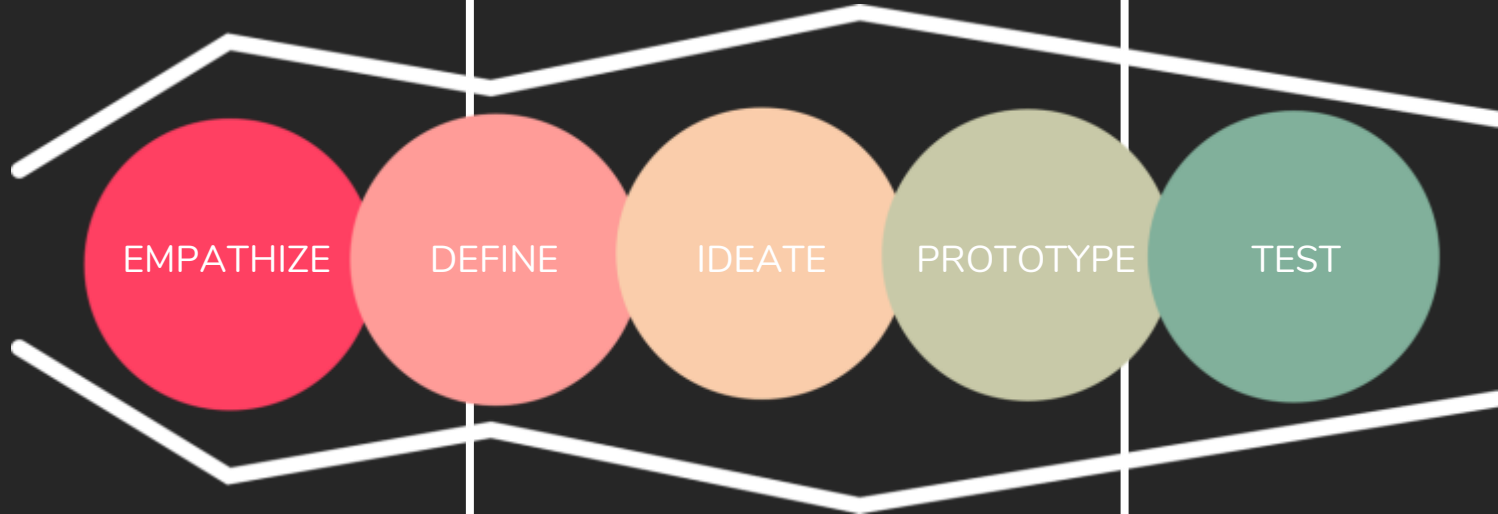
funded by
Bundesministerium
Verkehr, Innovation
und Technologie

processed by
FFG
Forschung wirts.

INSPIRATION

IDEATION

IMPLEMENTATION



“

It's important that there's no rattling noise. It makes me go nuts!

”

“

Could you calculate a route based on the air pollution situation?

”

“

Removing it can't be fiddly. I don't want to take much extra time.

”

“

You can't leave it on the bike. They basically take everything.

”



DESIGN

Velo-City 2019, Dublin, Ireland (4)

funded by

Bundesministerium
Verkehr, Innovation
und Technologie

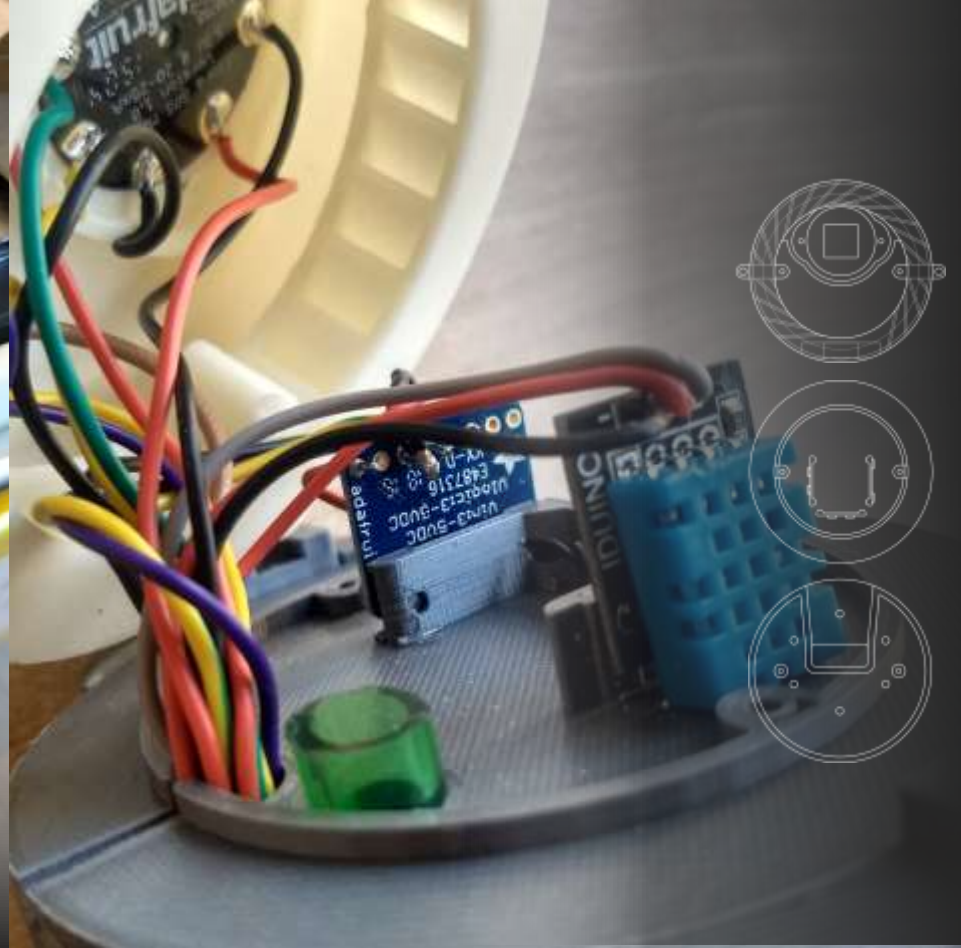
processed by

FFG
Forschung wirt.



Pocobo 

AIR POLLUTION DATA COLLECTION CYCLING BOTTLE



 IMPLEMENTATION

Velo-City 2019, Dublin, Ireland (5)

funded by
 Bundesministerium
Verkehr, Innovation
und Technologie

processed by
 **FFG**
Forschung
wird.



Pocoboi

AIR POLLUTION DATA COLLECTION CYCLING BOTTLE



IMPLEMENTATION

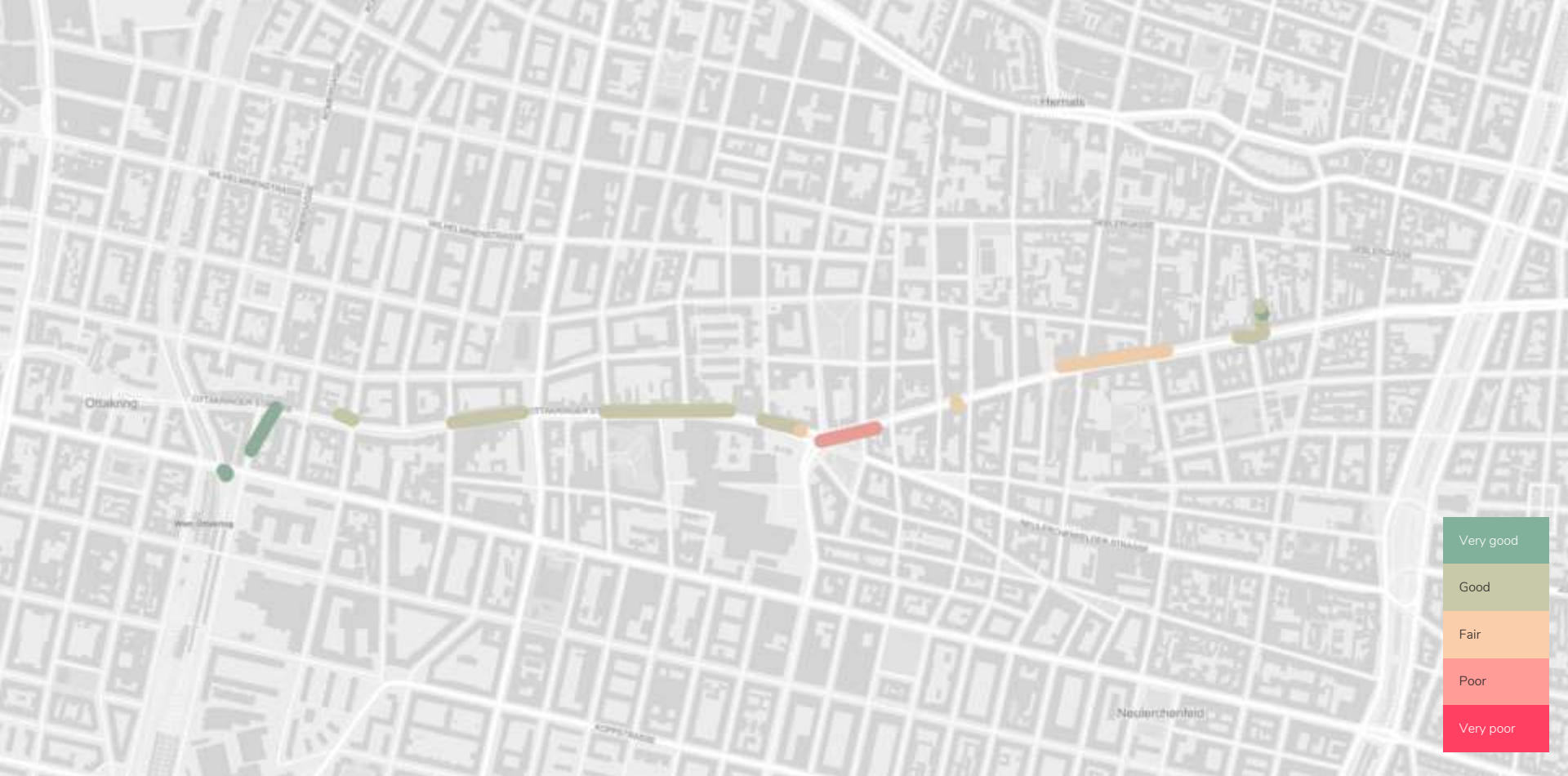
Velo-City 2019, Dublin, Ireland (6)

funded by

Bundesministerium
Verkehr, Innovation
und Technologie

processed by





●●● IMPLEMENTATION
 Velo-City 2019, Dublin, Ireland (7)

funded by
 Bundesministerium
 Verkehr, Innovation
 und Technologie

processed by
 FFG
 Forschung.wirkt

Pocobo!

AIR POLLUTION DATA COLLECTION CYCLING BOTTLE



WWW.MOBILLAB.WIEN



funded by



processed by

