

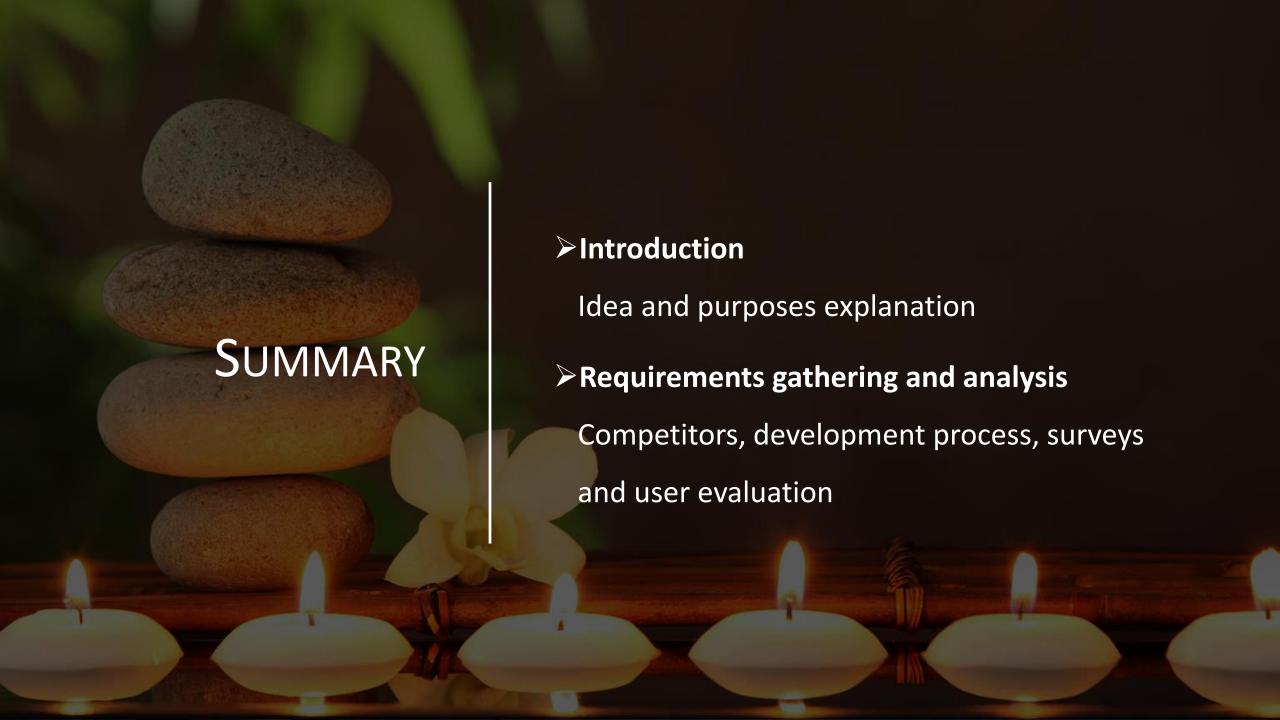
Initial concept & User evaluation

SUOMI IoT project

Pervasive Systems, AY 2017/18

Roberto Falconi Federico Guidi Salvatore Licitra

MSc in Engineering in Computer Science Sapienza University of Rome

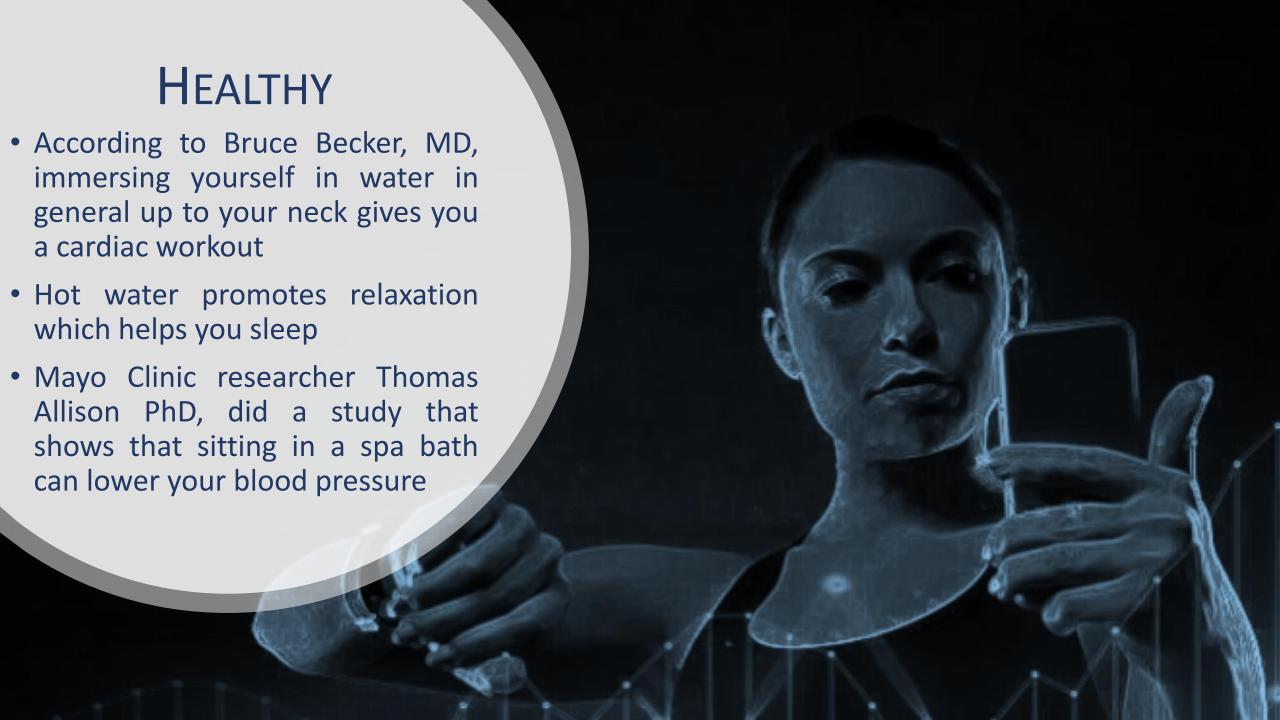




## PROBLEM AND SOLUTION

• 7 people die from stress every 2 seconds. What do anxiety, panic attacks, depression, coronary heart disease, high blood pressure, fears, phobias, irritable bowel, fibromyalgia, ulcers, self-destructive habits like overeating, and others all have in common?

 They are all either caused by or made worse by STRESS! Our idea is to reduce stress level. What is the best way to do this if not with a spa?



# SUOMI POWERED

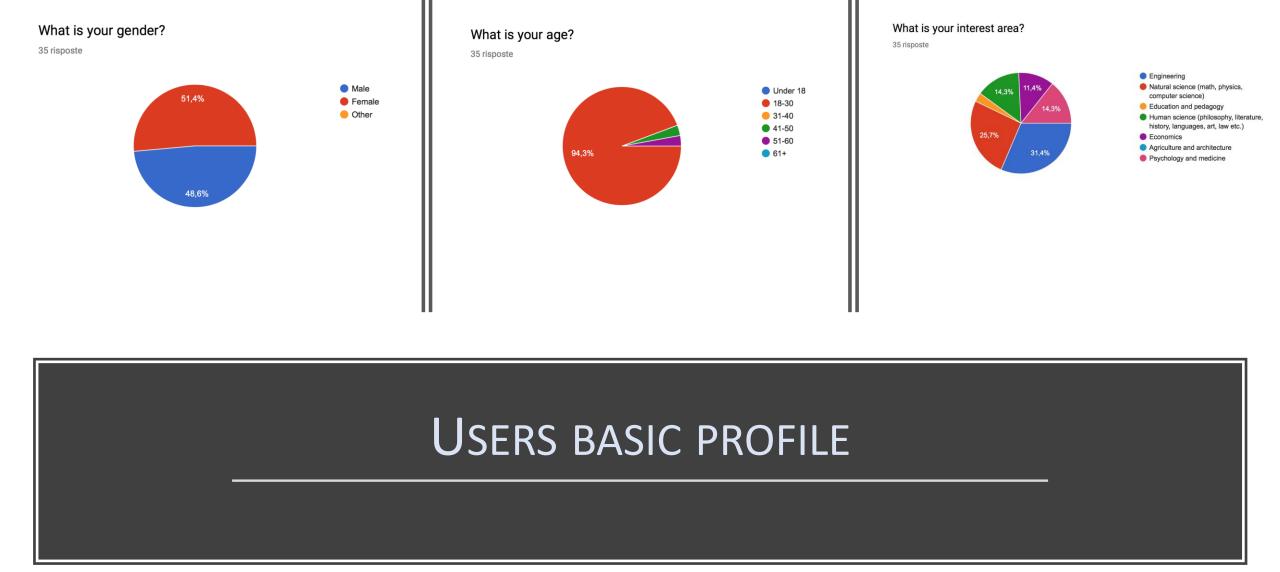
- Many people in the spas and wellness centers do wrong journey and are afraid to use some room
- SUOMI lets a spa owner to turn a spa into a smart one for BETTER results, thanks to microcontrollers connected to a machine learning software that will help spa's users to make for them decisions about wellness journey
- In order to understand that SUOMI was what people wanted, we made a lot of questions to users



# **EXISTING SOLUTIONS AND COMPETITORS**

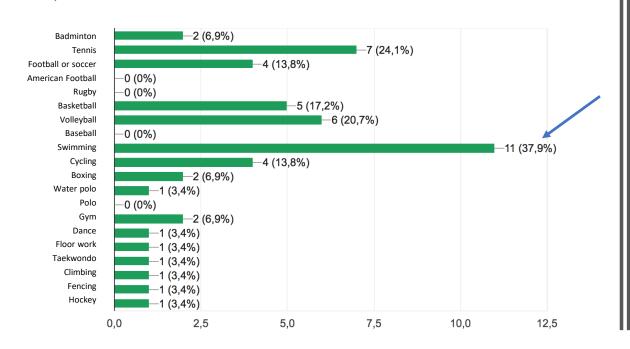
Competitors	Reliability	Competence	Availability in spa	Non invasiveness
Spa staffers	X	X	✓	X
Medical doctors	✓	✓	X	X
Wellness advisors	X	✓	✓	X
Practice	✓	X	✓	<b>✓</b>
SUOMI	<b>√</b>	✓	✓	<b>✓</b>





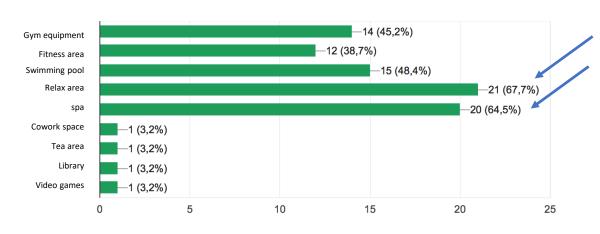
#### If you practice sports, what are your favorites?

29 risposte



#### What do you want in an entertainment center?

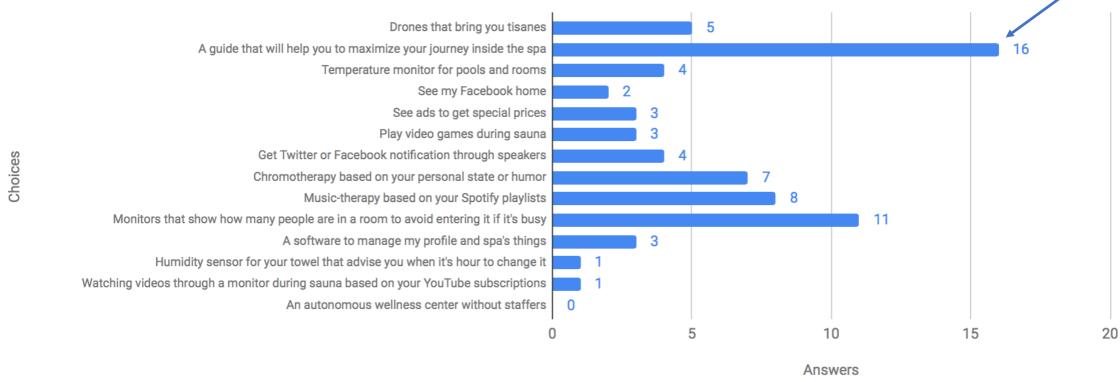
31 risposte



### Users thought about sport and entertainment

### What users want from a spa

#### What would you like to find in a smart spa?



### INTERVIEWS TO REAL USERS

We asked to friends, family members and others what do they think about a "smart guide" that will help a spa customers to maximize its benefit and to avoid dangerous practices

**Giulia**: "I think it is an awesome idea. When I go to a spa I never know what to do and in what order, so I get annoyed by these decision, while what I would like to do is simply relax".

**Chiara**: "What scares me about the wellness centers is facing paths or journeys that could be harmful to my health. I think someone should improve spas from this point of view".

**Tina**: "I never saw spa staffers helping customers with their experience from the start to the end. They usually do a briefing to everyone at the entrance, but after that they don't say to anybody what is recommended to do after some experience".

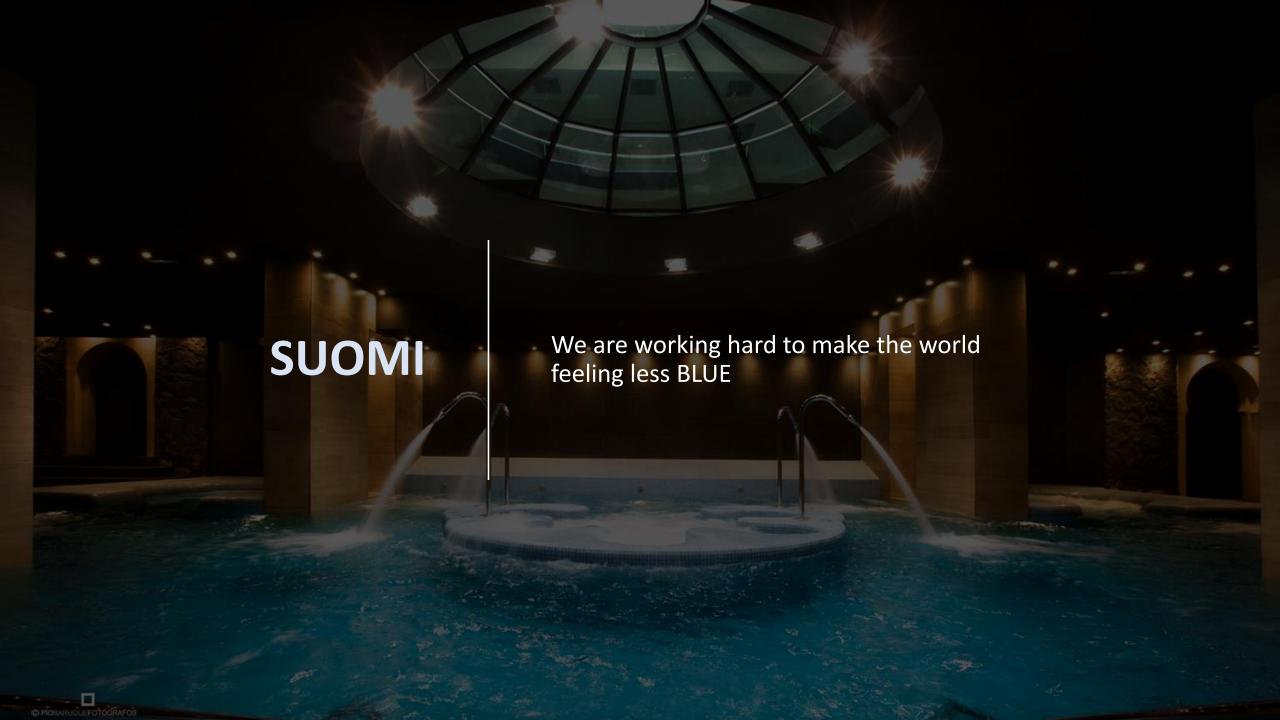
### SURVEYS RESULTS

#### **SUOMI** IDEAL USERS...

- Want spa and relax area services
- Don't use often smart devices in a spa
- Want a guide that will help them to maximize the spa experience and to avoid bad practices

#### **SUOMI** SHOULD OFFER...

- Spa and relax area services
- Usability for those who don't use smartphone in a spa
- A smart and "hidden" guide that help customers to enjoy the spa and to avoid a dangerous experience



# THANK YOU!

### **Useful links**





Check for more amazing projects and ideas by Roberto Falconi, Federico Guidi and Salvatore Licitra

• LinkedIn: <a href="https://www.linkedin.com/in/roberto-falconi/">https://www.linkedin.com/in/roberto-falconi/</a>

https://www.linkedin.com/in/federico-guidi/

https://www.linkedin.com/in/salvatorelicitra/

• SlideShare:

https://www.slideshare.net/RobertoFalconi4/

https://www.slideshare.net/FedericoGuidi5/

https://www.slideshare.net/SalvatoreLicitra2/

• **GitHub**: <a href="https://github.com/RobertoFalconi/SUOMI/">https://github.com/RobertoFalconi/SUOMI/</a>