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FH KIELTZ 4 Interface Design - Research.



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HOSPIBOT

TZ 4 Research

FH Kiel

www.hospibot.eu
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Text hinzufügen

Research in UKSH

[UKSH
Check-in]

[Cliniserve.de]



Patient Information in Clinic

- a) **Entry:** Orientation – Check-in Process, Wayfinding
- b) **Patient room:** Communication needs via „cliniserve“ tablet

Activities : Observations and Interviews

- Interview with care Person
- Interview with Care Management: Owner of communication Data

Where are the painpoints

Hall: Patients don't manage to use the check-in Terminal and don't understand the onboarding process completely → need assistance

Patients want to know where to go (huge site, several buildings) → need assistance

Clinicserve:

Patients don't manage to register the screen → question of age

Some staff don't use the phone and corresponding app → need support to get used to it, need correct configuration

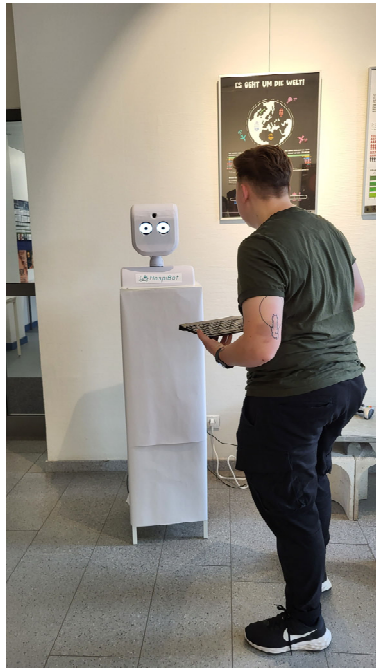
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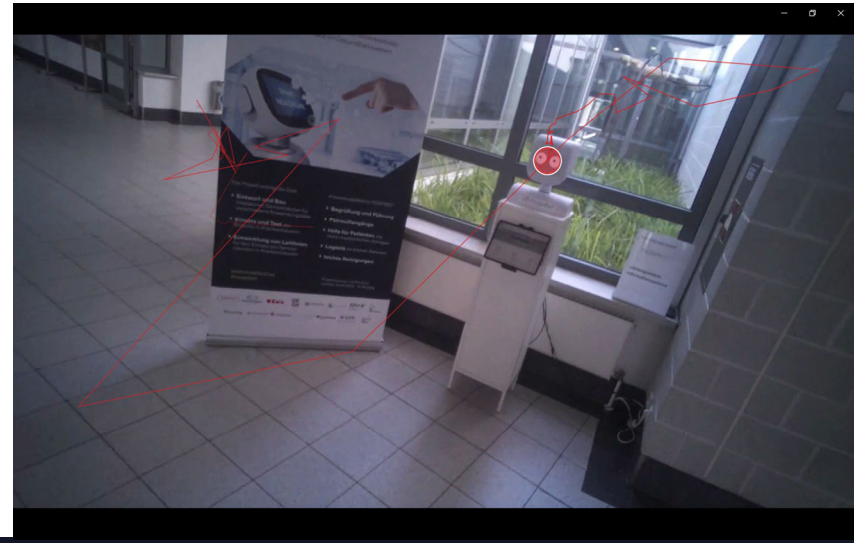
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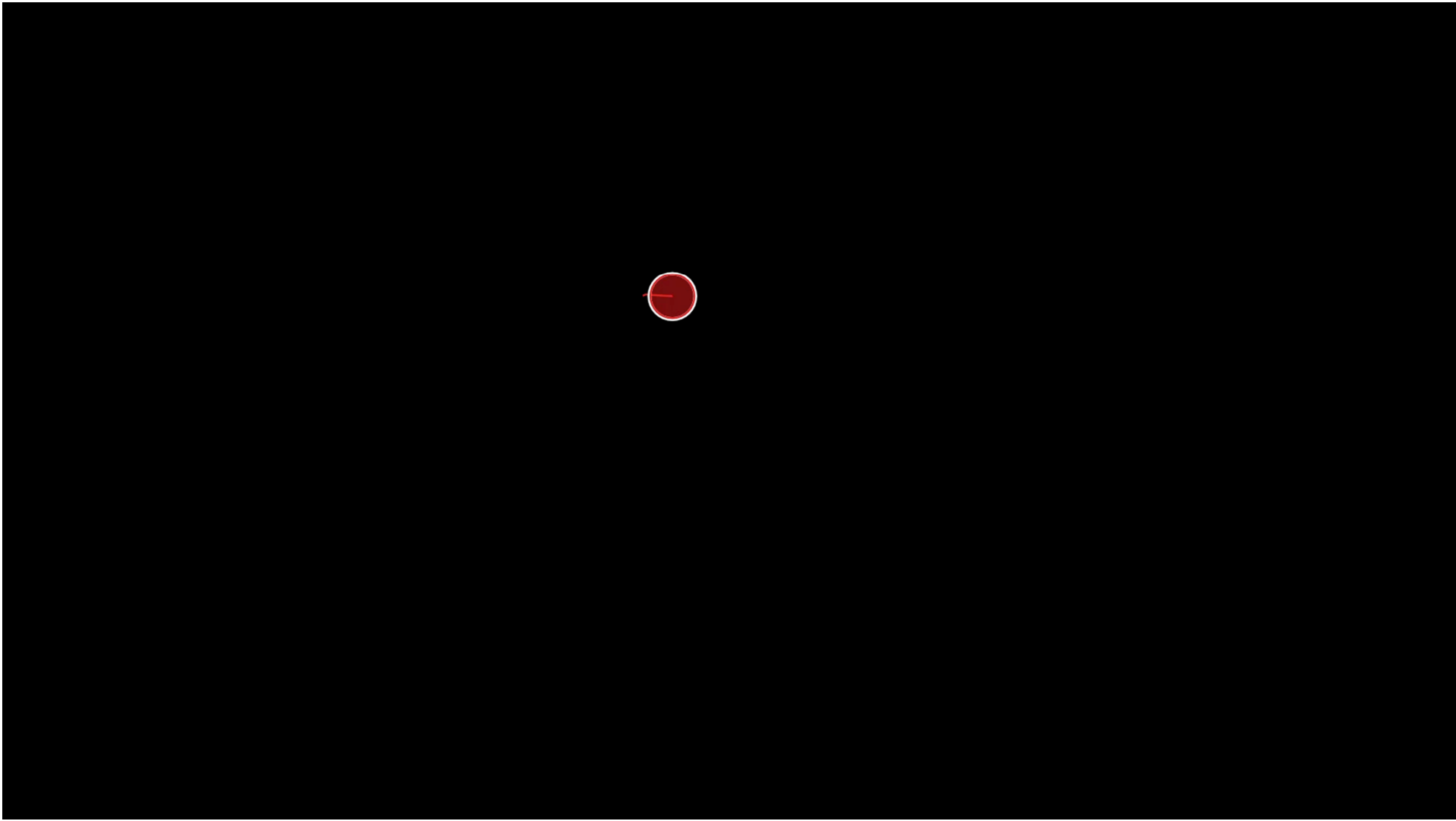
Measurement

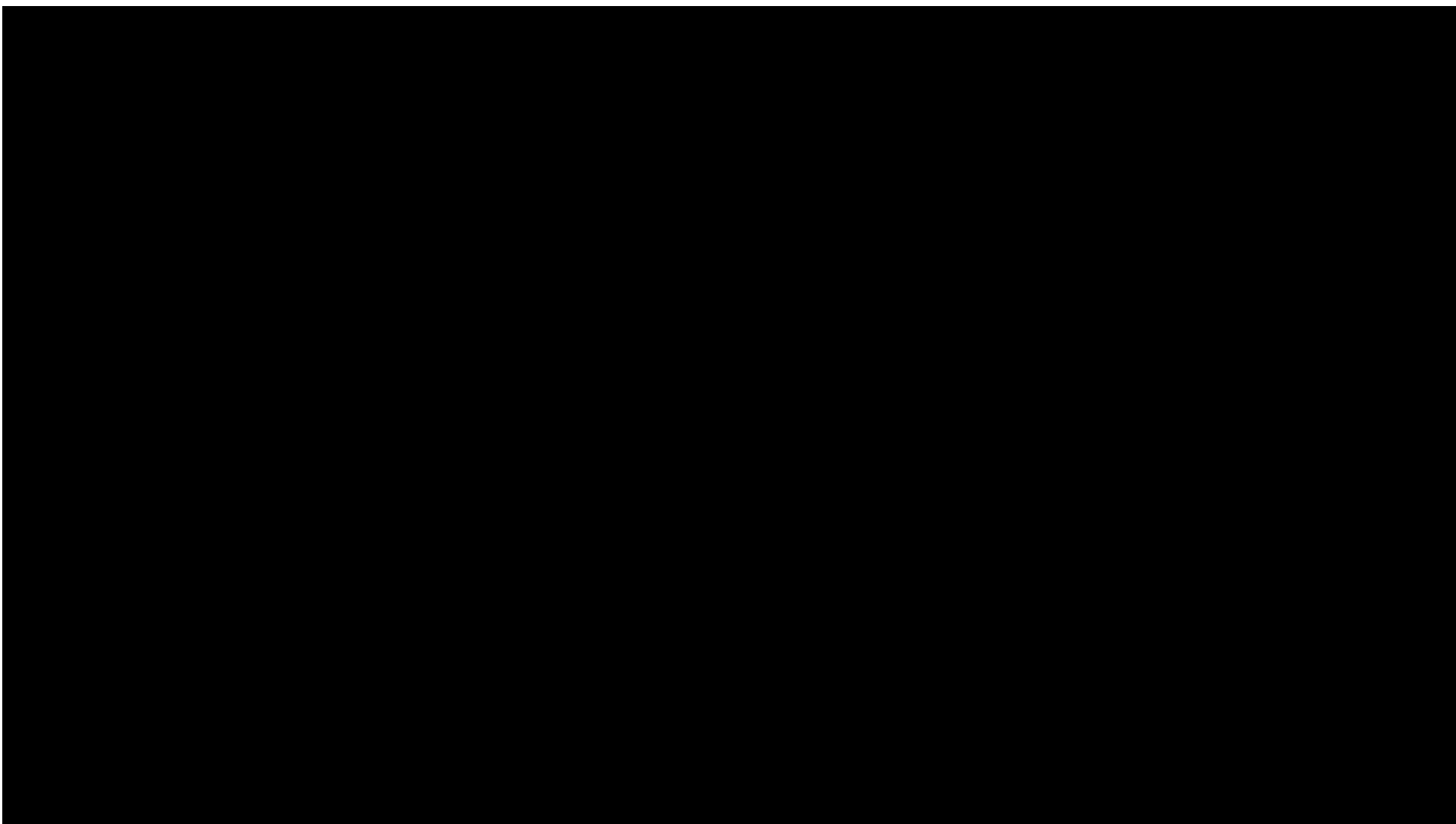


- Wayfinding: Will the robot be recognized as an information system?
- Will it be accepted?
- How is the dialogue on a touchscreen?
 - Logical structure
 - Interface
- Recognition
- Technology acceptance

Eye Tracking

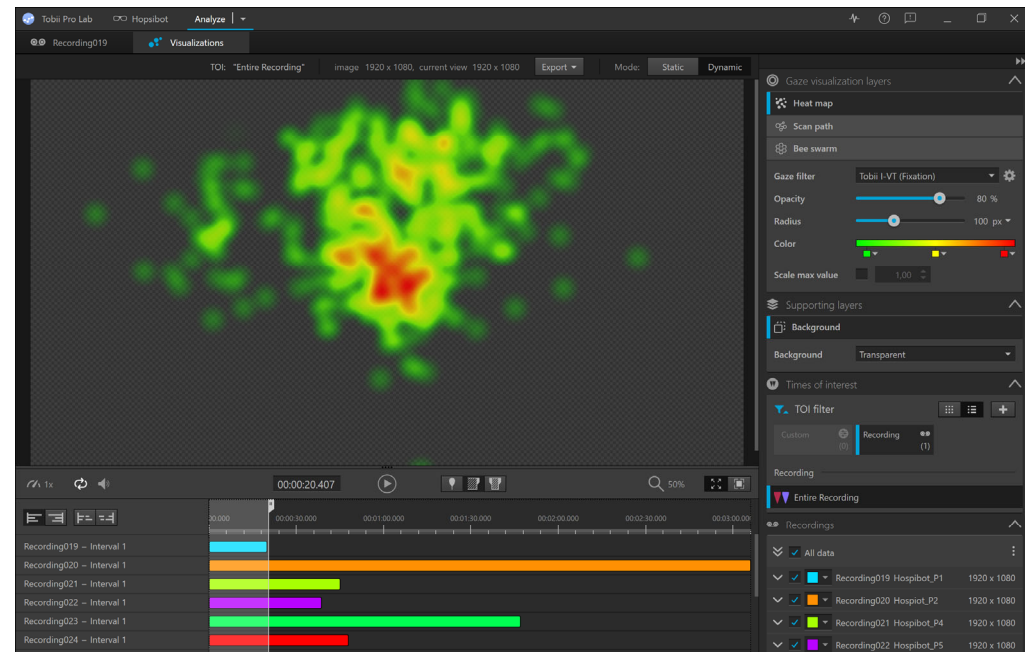






Evaluation tools

- Requires same perspective
- Can collect several users data



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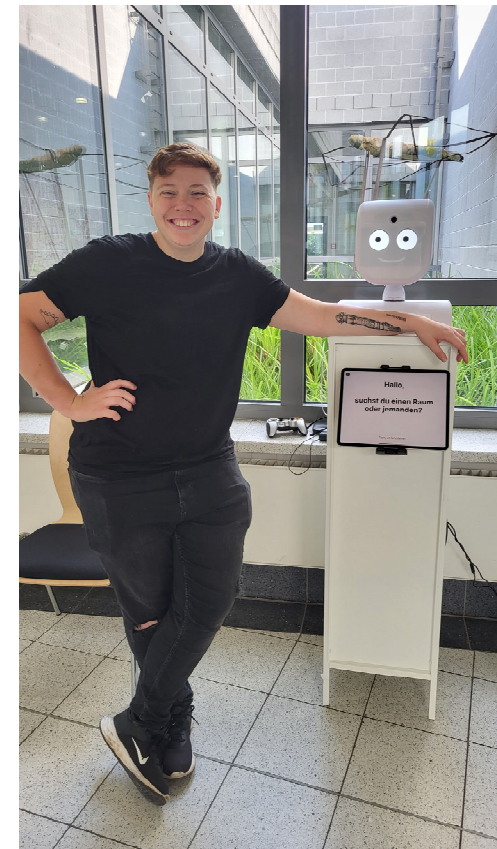
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Next steps:

- ▶ New Dialogues
- ▶ New test setup
- ▶ New Robot Exterior

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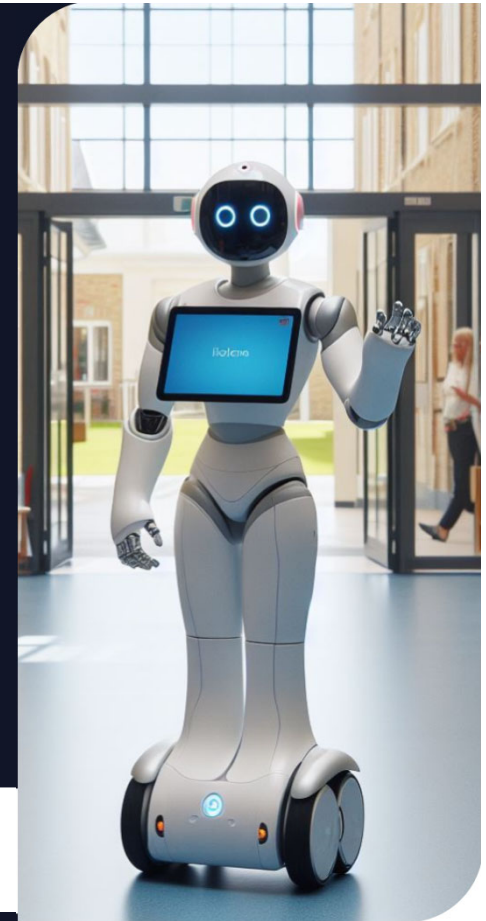


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W irentw icken interaktive Servicroboter für
den E insatz in G esundheitswesen .



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Das Projekt verfolgt die Ziele:

- ▶ Entwurf und Bau interaktiver Serviceroboter für verschiedene Anwendungsfälle
- ▶ Einsatz und Test der Roboter in Krankenhäusern
- ▶ Entwicklung von Leitlinien für den Einsatz von Servicerobotern in Krankenhäusern

Anwendungsfälle zum Einsatz unserer Roboter:

Begrüßung und Führung,
Patrouillengänge,
Hilfe für Patienten mit nicht-
medizinischen Anliegen,
Logistik in kleinen Räumen,
sowie leichte Reinigung.

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PR Activities

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TZ 1 Press release

The press release "Forscher*innen aus Kiel und Dänemark entwickeln Assistenzroboter für Krankenhäuser" was published in a science network and led to 14095 subscribers (on 07.05.2024)

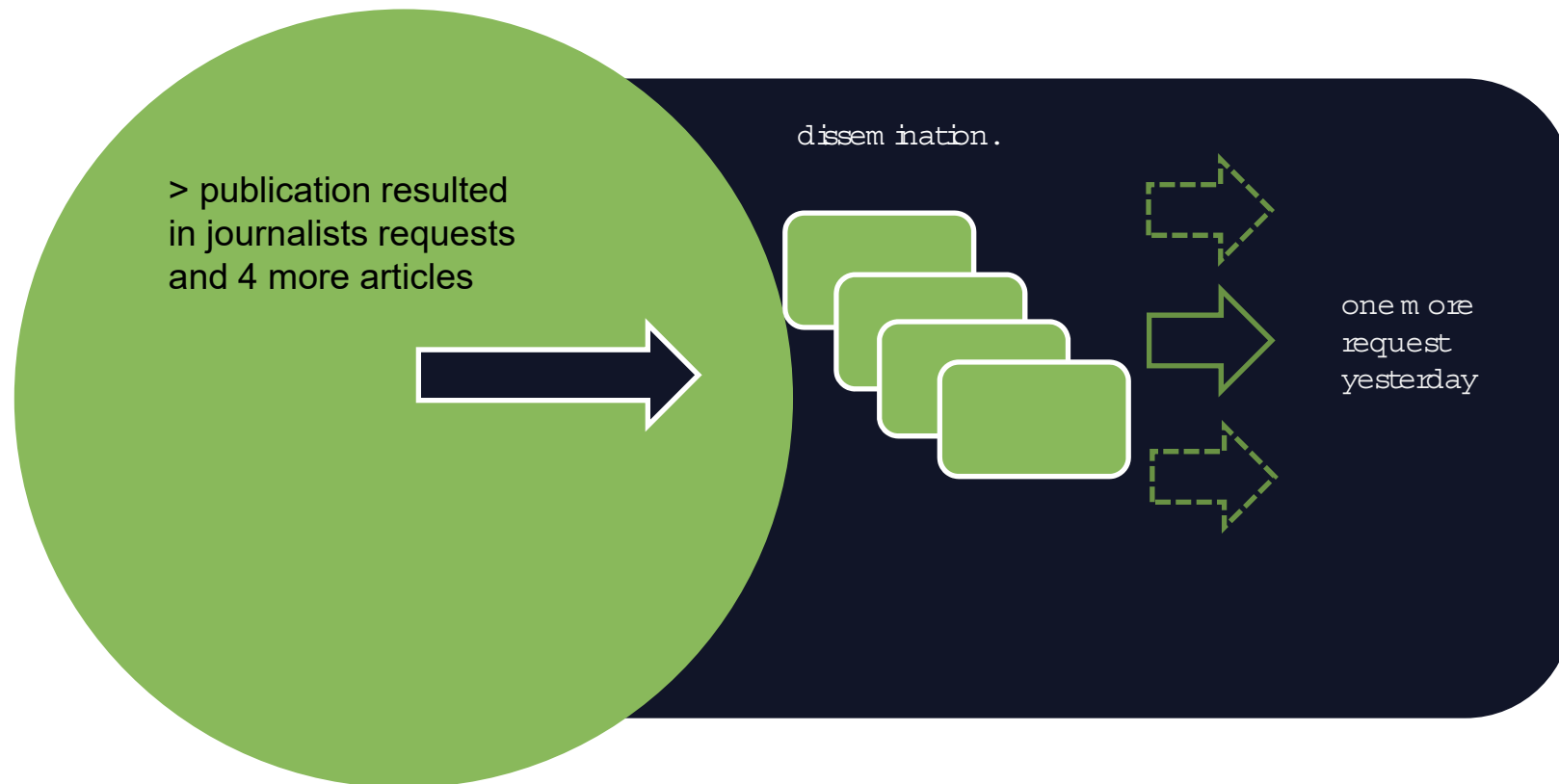
3456 are journalists, registered at „Informationsdienst Wissenschaft“

Detailed statistics can be found under:

https://idwonline.de/de/documentstats?document_type=press_release&document_id=833229

PR Activities





- Webpage :news were published
- LinkedIn :→ Please publish everybody
- Project Presentation on Lübeck Summer Academy (2nd July)

"Digitalisierung und Robotik in Spannungsfeld
zwischen medizinischer Innovation und
regulatorischer Compliance"

Hospibot project and Trust in H R -Interaction



[Lina Behrends and Miriam Pfau]

New Network Partner: Germany's biggest service robot retailer



[artwork with Giobotics portfolio]

Visit at G Robotics

Cleaning robot



Navigation via
markers on the
ceiling

G iobotics

- Experience in service in gastronomy, sales rooms, exhibitions
- Experience with cleaning robots
- Dealing with robots by PUDU
- Important message: If you want to solve a large problem:
→ build robots that can clean toilets (in hotels etc.)

Next PR steps:

- ▶ Photos today,
- ▶ Press article,
- ▶ send slides as news,
- ▶ Post on LinkedIn

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