



THE MATRIX CONFERENCE 2026 · MALMÖ

NeoBoard at scale – Demo



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Scan & join as a guest

WARM-UP

Say hi & play while the room fills up

Write your name + your homeserver (or city) on a sticky note.
Then grab a grid and play tic-tac-toe with your neighbour.

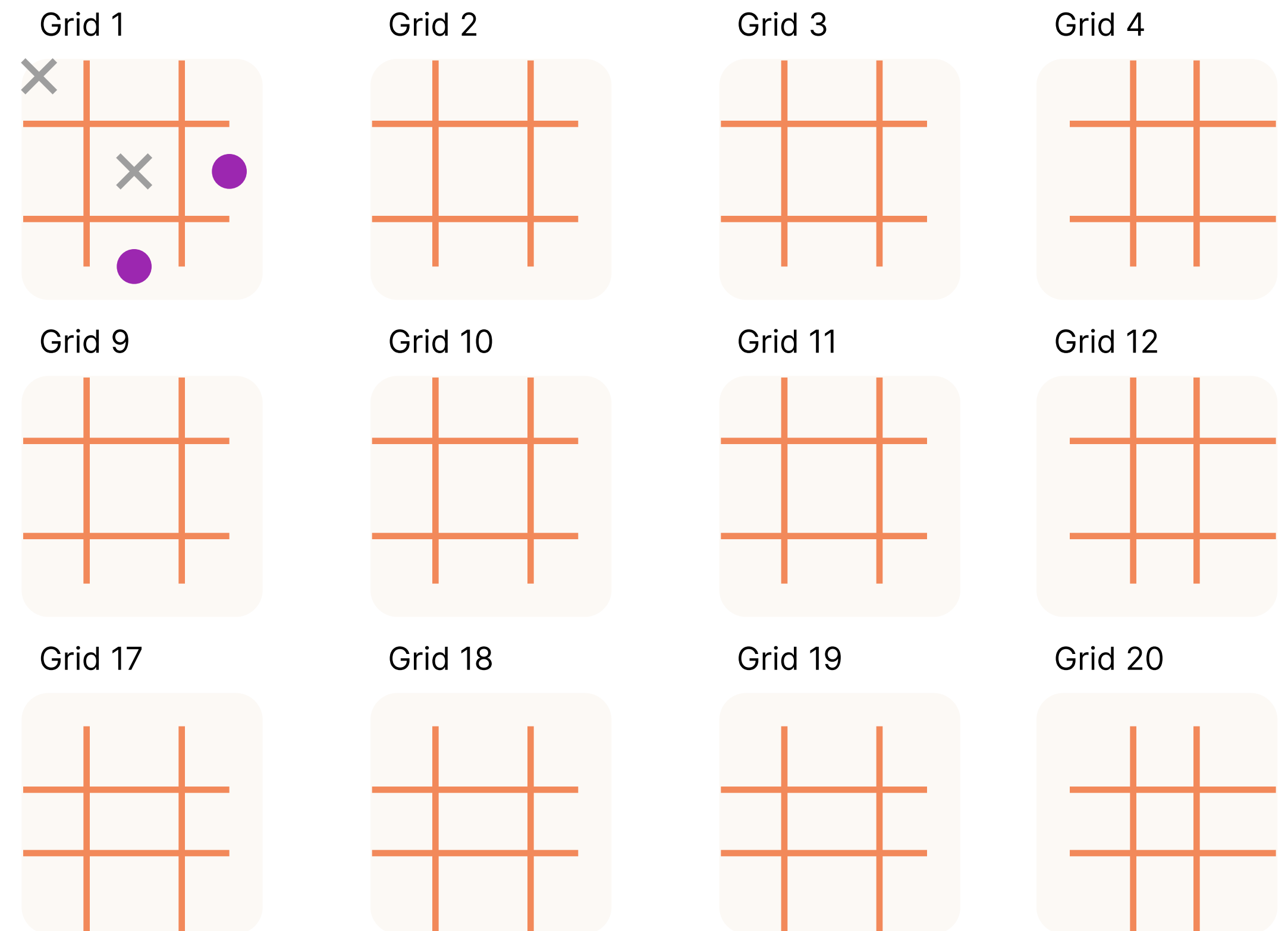
Say hi 🖐️

Example:
Alex · @alex:example.org



Scan & join as a guest

Then grab a grid and play tic-tac-toe with your neighbour.



AGENDA

One year, a lot happened

- 01 One year after MatrixRTC
- 02 Discovery with teachers
- 03 openDesk & Open Productivity
- 04 Live: touch, pen & guests
- 05 Templates & Halloween Retro
- 06 Operations & your way to NeoBoard
- 07 Your feedback & questions

One year after MatrixRTC

What Milton showed at #MatrixConf 2025 – and what came next

Scaling real-time: from P2P to MatrixRTC

- Milton Moura at #MatrixConf 2025: “Scaling Real-Time in NeoBoard”
- Problem: peer-to-peer WebRTC – every client talks to every other client, fine for about ten people
- Shift: MatrixRTC with a LiveKit SFU – one connection per client
- Result: the key to scaling to hundreds of concurrent users on one board
- One year later: what else had to scale?

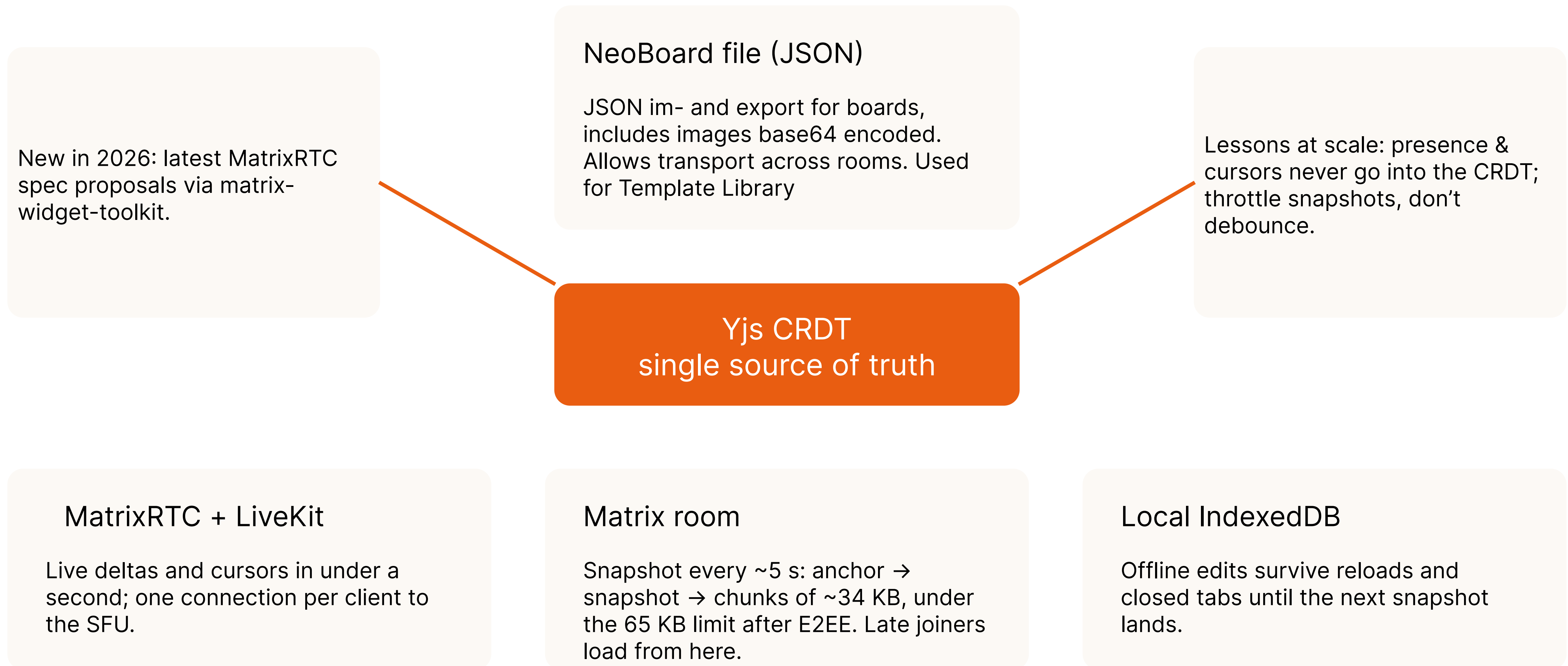
LIVE

Milton's talk: page & recording



cfp.2025.matrix.org/matrix-conf-2025/talk/TM3ASG/

One CRDT, four ways in and out



What happened since last year

1.19

openDesk release that brought
NeoBoard into the suite

43

templates in the new gallery on
neoboard.io

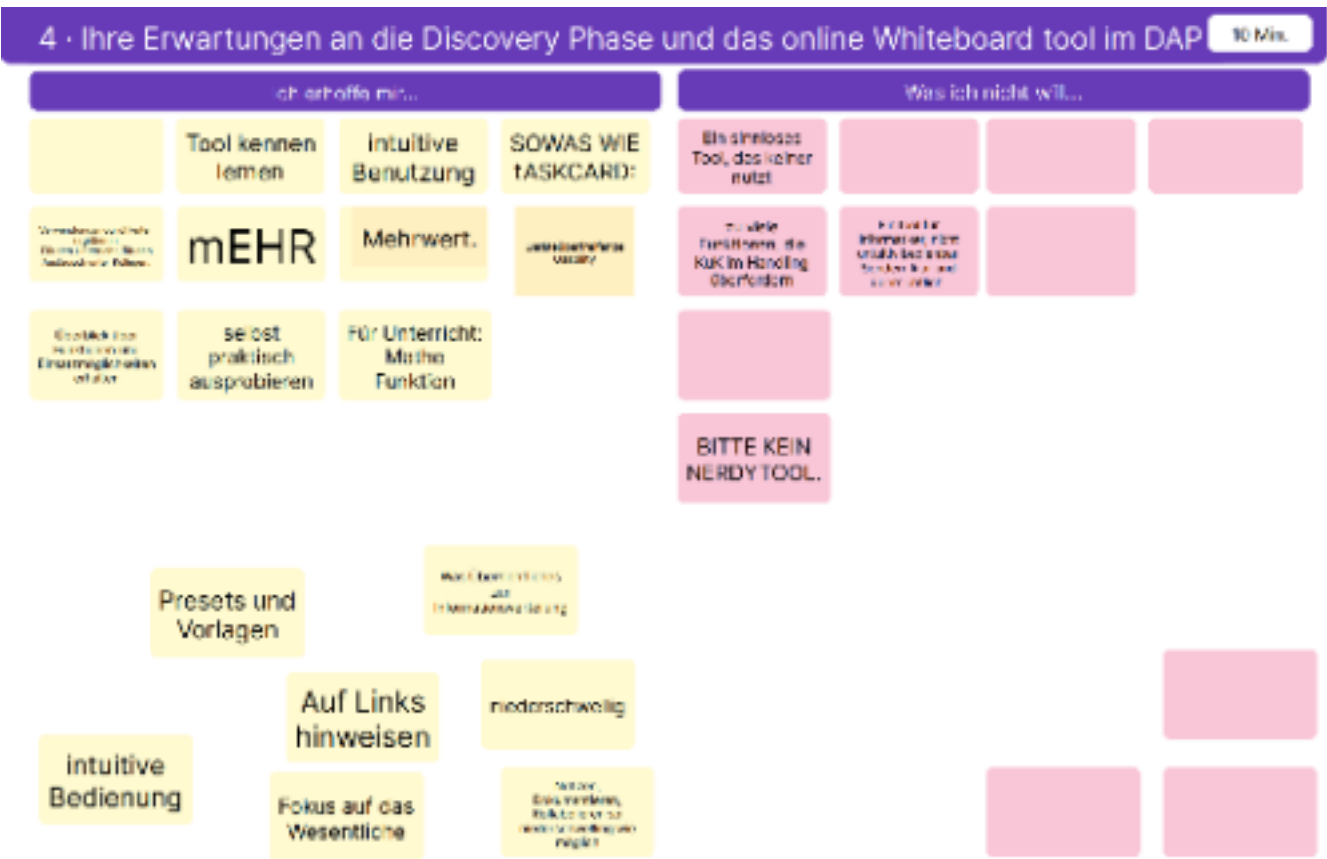
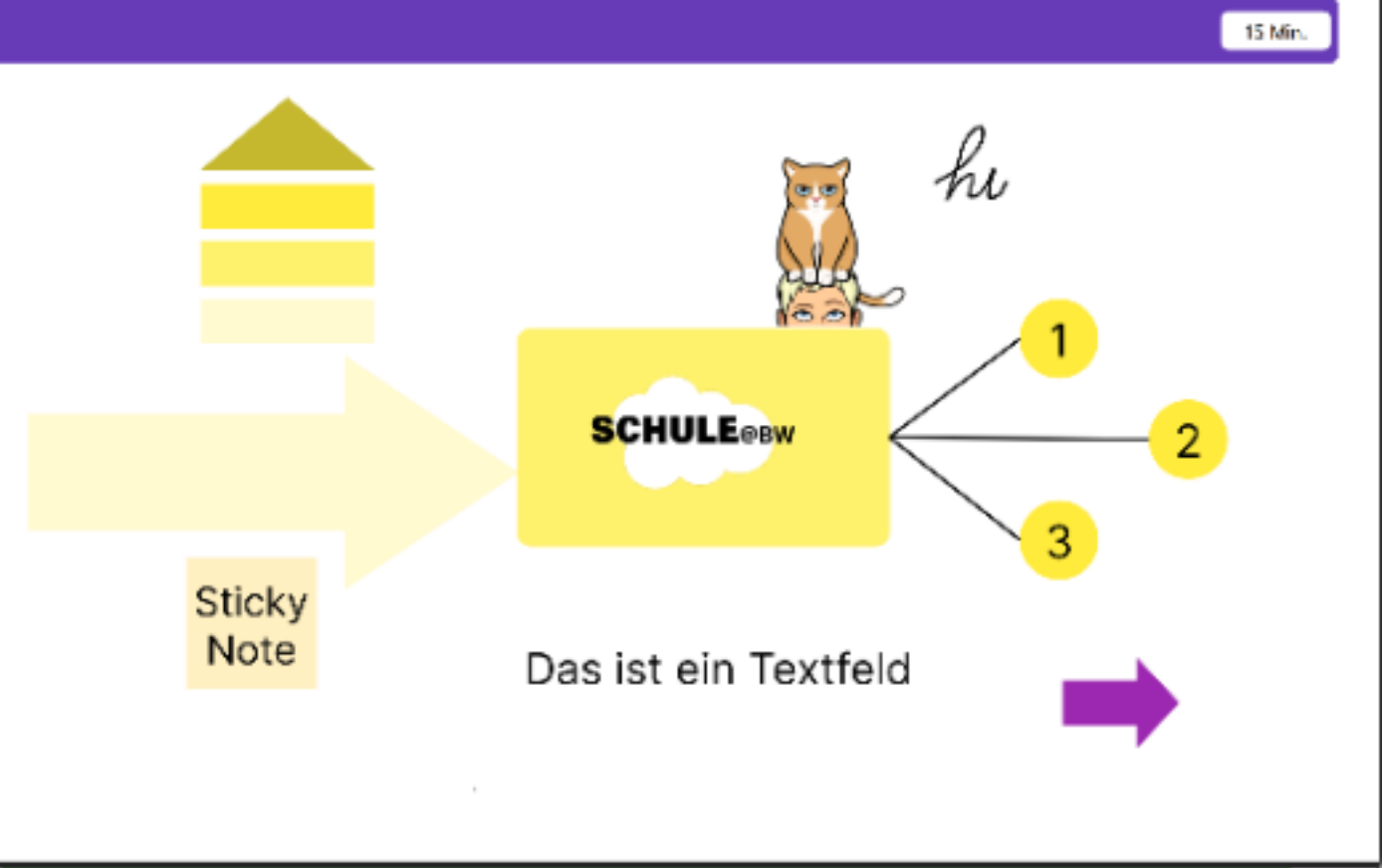
86K

teachers in Baden-
Württemberg will work with

Discovery with teachers

Three workshops in Baden-Württemberg – run on NeoBoard itself

Workshops with teachers, on NeoBoard



5. Abgleich mit den Erwartungen aus Workshop 1

Die zentralen Erwartungen aus WS 1 und ihr Status am Ende der Discovery Phase:

Erwartung aus WS 1	Status
Intuitive Bedienung	✅ Bestätigt – „Intuitives Handling“ ist meistgelobtes Merkmal
Niedrigschwelligkeit	✅ Bestätigt – „Einfachheit und Reduktion auf das Wesentliche“
Verwendungsmöglichkeiten ergründen	✅ 5 konkrete Szenarien erarbeitet
Geräteübergreifende Usability	⚠️ In Arbeit – Touch-Beta ausgeliefert, höchste Priorität im Voting
Vorlagen / Templates	⚠️ In Arbeit – Template-Vorschläge zu den Szenarien entstehen
Kein „Nerdy-Tool“ / keine Überforderung	✅ Vermieden – das Feedback bestätigt die Fokussierung

May–June 2026

Three hands-on workshops. Teachers worked on NeoBoard while telling us what they need.

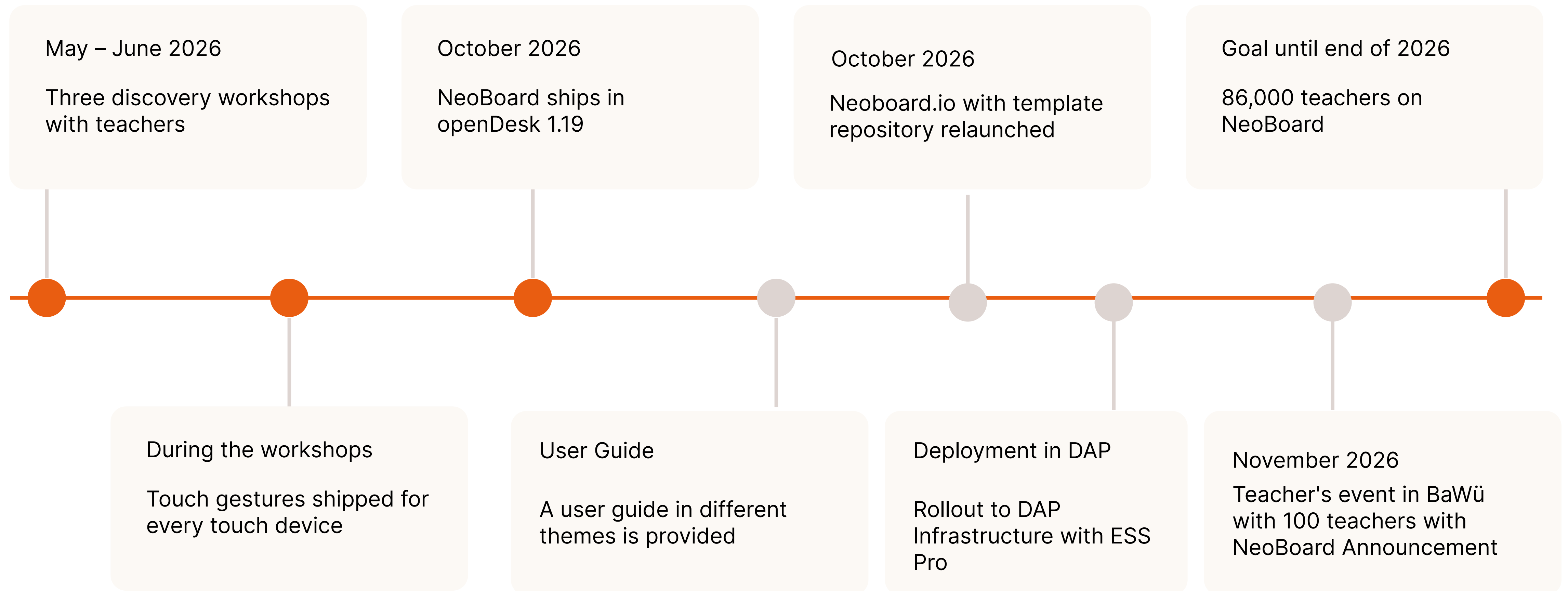
LIVE · Workshop boards

ASYNK · Discovery Feedback board

DOCS · Workshop PDFs

TIMELINE

The road to 86,000 teachers



Introduction phase: [how teachers get onboarded – training, materials, support]

Teacher wishes, built and rolled out

01

Wish

Touch on every device · pen input · guest access · tables · templates · easy template browser and importer

02

Built

Touch gestures – shipped during the workshops · pen support merged · template repo online · user guide done · design theme done ·

03

Roll out

openDesk 1.19 · DAP until end of year 2026

LIVE

Release plan board

LIVE

Releases on GitHub

github.com/nordeck/matrix-neoboard/releases



openDesk & Open Productivity

From the developer community into everyday work

What is openDesk?

- The sovereign office & collaboration suite for public administration
- Open source apps from established vendors in one suite: chat & calls, mail, documents, files, projects, wiki, identity – and the whiteboard
- Grew out of the federal “Sovereign Workplace” initiative; run by ZenDiS since 2024
- NeoBoard is openDesk’s whiteboard since 1.19 (October 2026) – opt-in for every operator

LIVE

openDesk 1.19 – the release that brought NeoBoard



www.opendesk.eu/en/blog/opendesk-1-19

Six openDesk vendors, one joint venture

- Founders: Collabora Productivity, Element, Nordeck, Open-Xchange, Univention, XWiki
- Founded in Berlin in October 2026
- Goal: bring openDesk to businesses in the private sector
- Complements ZenDiS, which focuses on public administration
- open source best of breed with one face to the customer.

LIVE

Open Productivity –
website & press release



open-productivity.eu/en/home/

Live: touch, pen & guests

Watch the kiosk – then try it yourself

Touch, pen, guests – and a photo

Touch

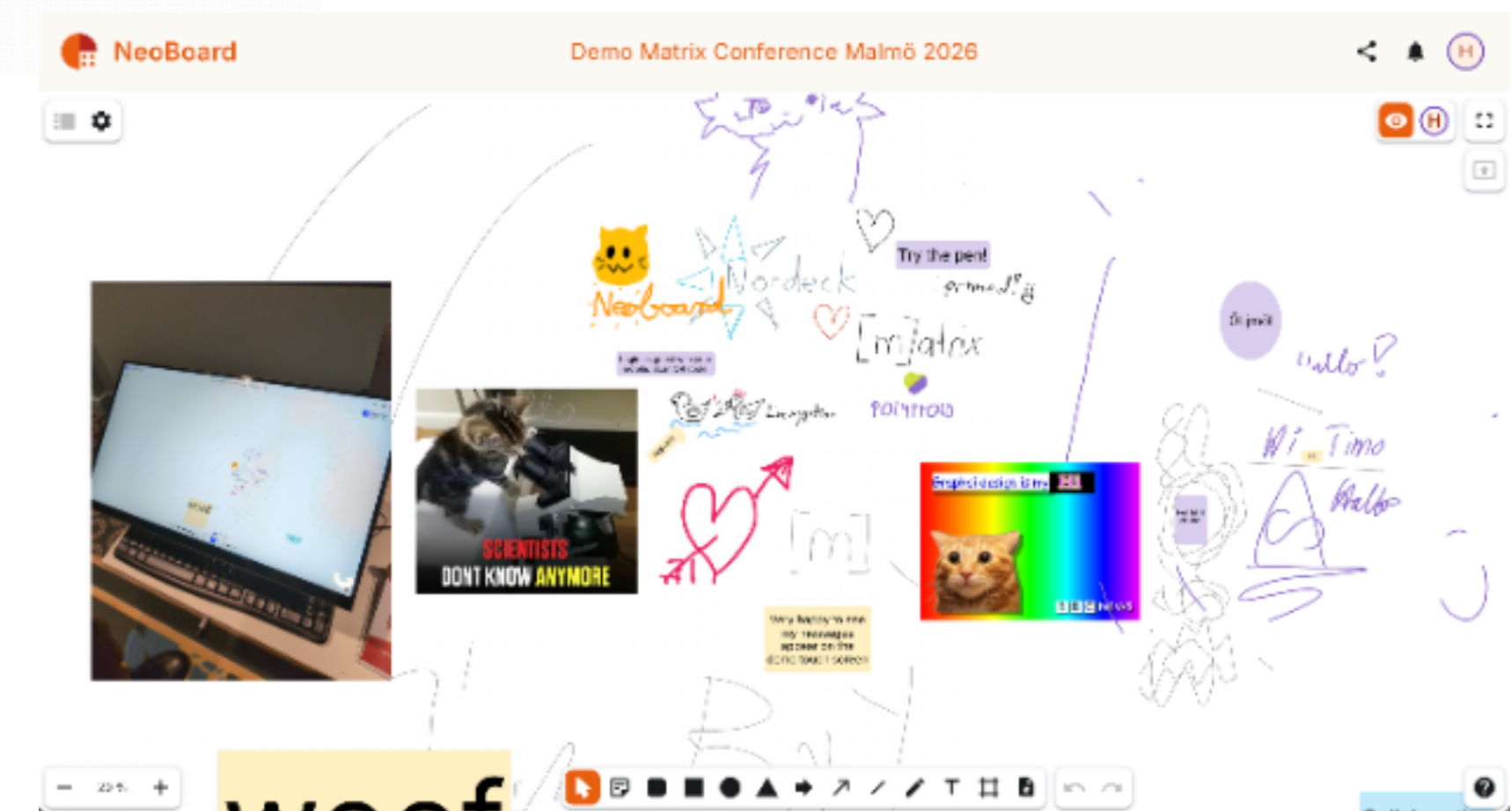
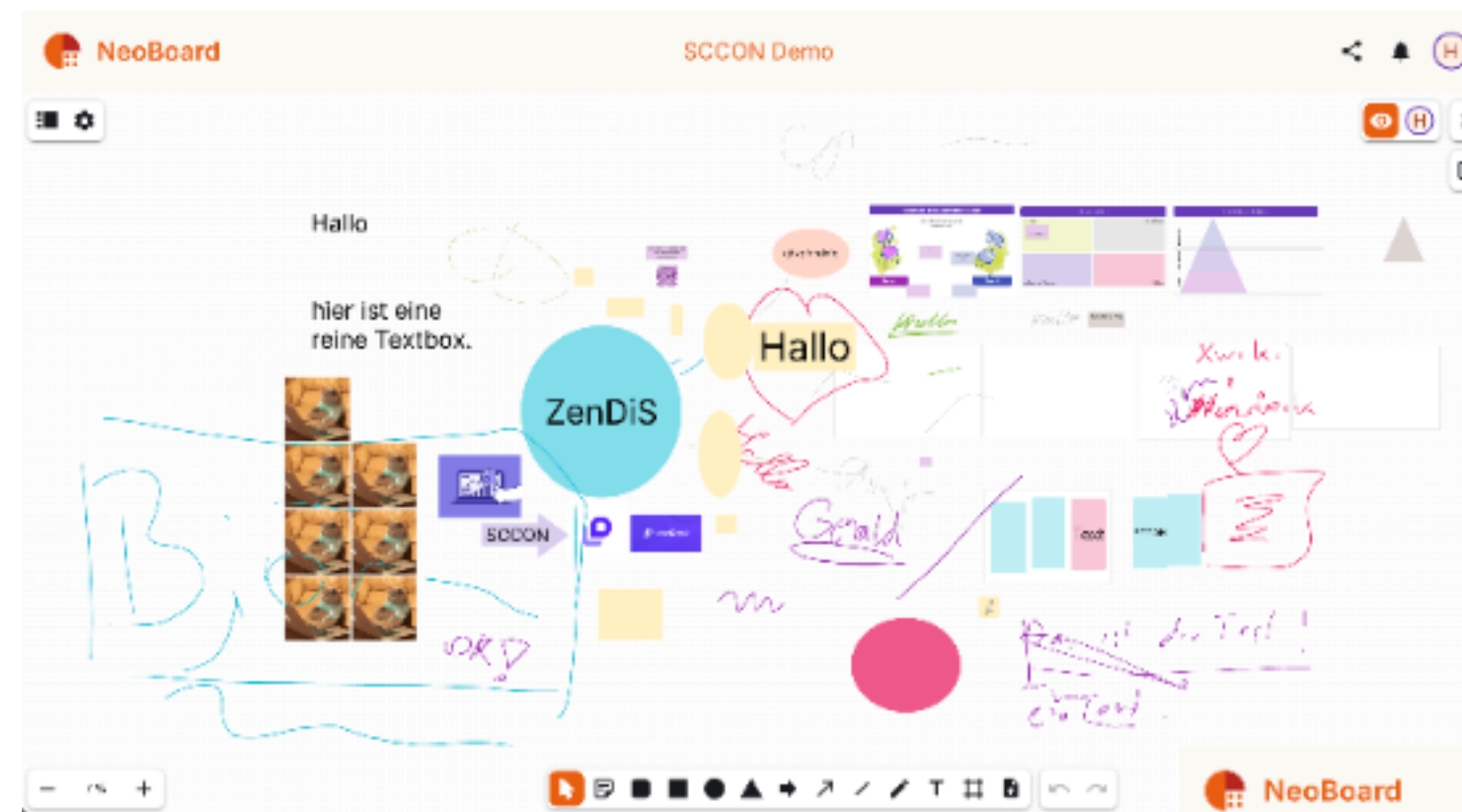
Gestures on every touch device,
from phone to 22" kiosk.

Pen

Write and sketch like on paper.

Guests

You joined by QR code – as guests,
right now.



Templates & Halloween Retro

A new repository, a new gallery – and our newest template

New repository, new gallery

Template repository

- Every template is generated from a definition
- Checked in CI, published to the gallery automatically
- Contributions welcome



LIVE

github.com/nordeck/neoboard-templates

Template gallery

- 43 templates in 8 categories
- Most under CC0 – download, import, adapt
- Submit your own board

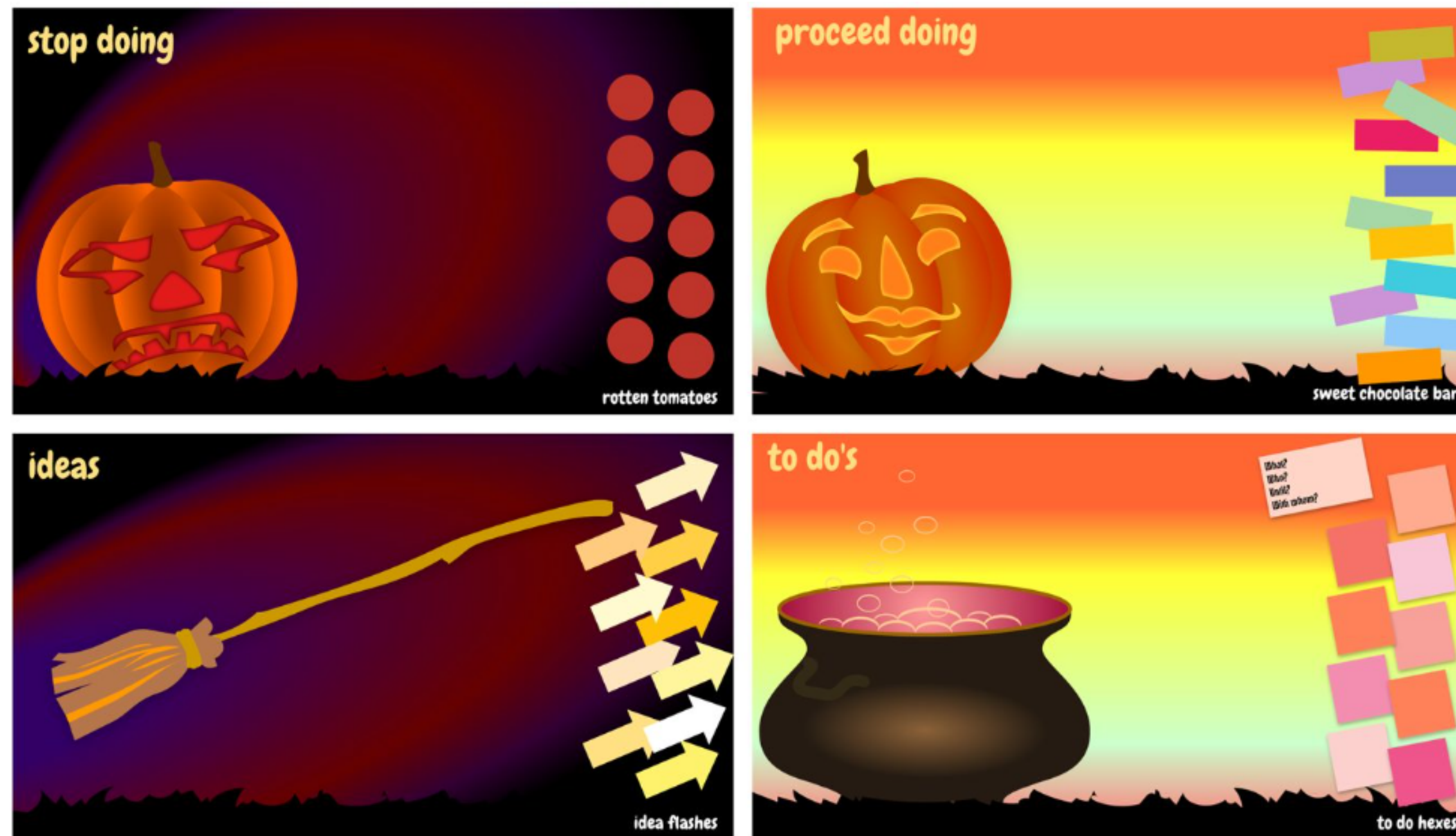


LIVE

neoboard.io/en/templates/

NEW TEMPLATE

Halloween Retro



Four spooky screens

Stop doing, proceed doing, ideas, to-dos – with rotten tomatoes, chocolate bars and a witch's broom. CC0. You'll use it for your feedback in a few minutes ↓

LIVE

Get the template

neoboard.io/en/templates/halloween-retro/



Operations & your way to NeoBoard

Dedicated, sovereign, on-prem – or self-hosted

Dedicated and sovereign

- Dedicated servers: one NeoBoard per organisation, operated by us
- On-prem, even air-gapped – for public sector and critical infrastructure
- Security: BSI IT-Grundschutz, openDesk module requirements
- Real-time capacity: MatrixRTC + LiveKit sized for your users
- Go to market: [channels & partners]

New in the team: Operations Engineer – Linux specialist, 20+ years at the c-base hackerspace in Berlin.

Pick the one that fits you

01

Community & homeserver admins

Host NeoBoard next to your homeserver – it's open source. Then get as many people as possible to use it.



[github.com/nordeck/
matrix-neoboard](https://github.com/nordeck/matrix-neoboard)

02

Public sector

Get a subscription and run NeoBoard on-prem – standalone or inside openDesk.

03

Private sector & KRITIS

Ask us for a dedicated NeoBoard server for your organisation.

info@nordeck.net · neoboard.io

Your feedback

On our newest template – the Halloween Retro





Q+A - post your Questions
and Feedback here





Thank you

Try NeoBoard at our touch kiosk – [booth / location]

E-MAIL

info@nordeck.net

MATRIX

[#nordeck:nordeck.io](https://matrix.to/#/nordeck:nordeck.io)

WEB

neoboard.io