

UNIVERSITETET I OSLO

Strategi for bruk av Kunstig Intelligens ved UBO



Andrea Gasparini
Samlinger og digitale tjenester



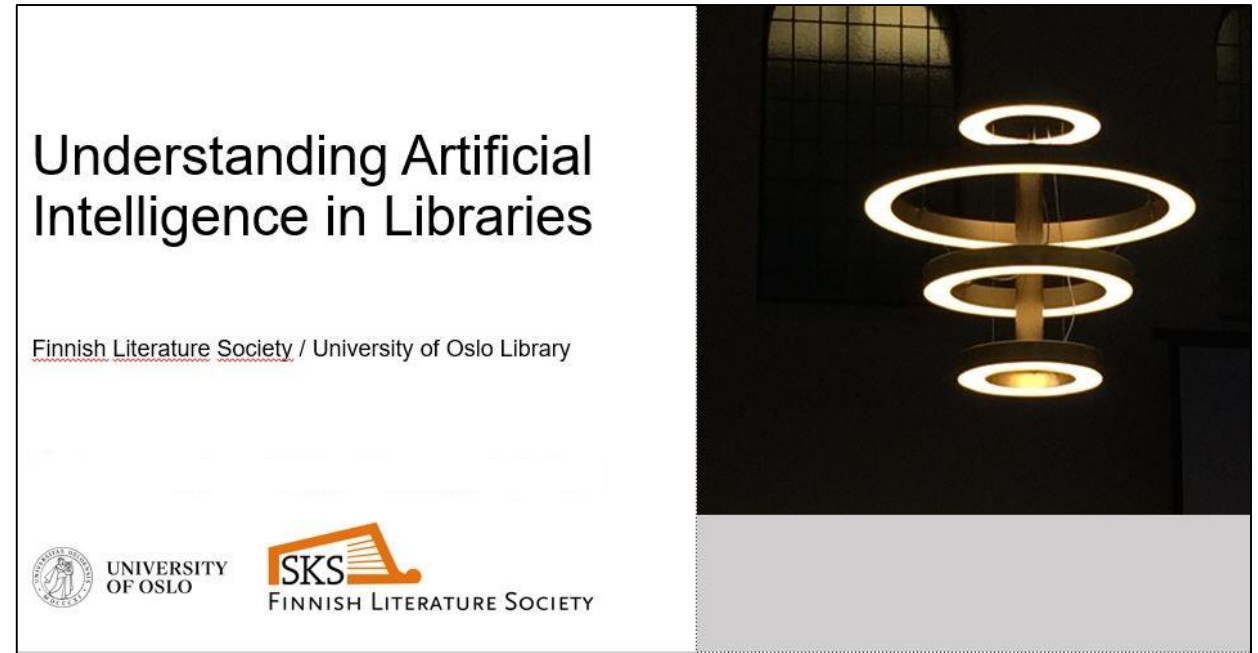
Bilde: Fritz Lang, Metropolis (1927)

Presentasjoner til nå

Møte mars 2020 med UBene ved Uppsala,
Gøteborg og Oslo

Workshop med Kautonen/Finlit høsten
2021

KI-dager i 2019 og 2021



Hva er nytt siden sist?

“You do not have to sit on the hose of papers and look at every paper that comes out for fear of missing it.”

Artikkelen i Nature

Nevnt i flere fora, blant annet i MN sin epost "PhD and postdoc bulletin"

Flere nye KI-baserte verktøy er presentert:

Work / Technology & tools



KEEPING UP WITH THE LITERATURE

Scientists need not fear missing out on developments in their field, thanks to software tools that highlight the latest key papers. **By David Matthews**

Every time Eddie Smolyansky had a few moments to himself, he tried to stay abreast of new publications in his field. But by 2016, the computer-vision researcher, who is based in Tel Aviv, Israel, was receiving hundreds of automated literature recommendations per day. “At some point the bathroom breaks weren’t enough,” he says. The recommendations were “way too much, and impossible to keep up with.” Smolyansky’s ‘feed fatigue’ will be familiar to many academics. Academic alert tools, originally designed to focus attention on relevant papers, have themselves become a hindrance, flooding the inboxes of scientists worldwide. “I haven’t even been reading my automated PubMed searches lately because it really is overwhelming,” says Craig Kaplan, a biologist at the University of Pittsburgh in Pennsylvania. “I honestly cannot keep on top of the literature.” But change is afoot. In 2019, Smolyansky co-founded Connected Papers, one of a new generation of visual literature-mapping and recommendation tools. Other services that promise to tame the information overload, integrating Twitter feeds and daily news as well as research, are also available.

Origin story
Instead of serving up a daily list of new articles by e-mail, Connected Papers uses a single, user-chosen ‘origin paper’ to build a map of related research, based partly on overlapping citations. The service recently surpassed one million users, Smolyansky says. The maps are colour-coded by publication date, and users can toggle between ‘prior’, seminal, papers and later, ‘derivative’, works that build on them. The idea is that scientists can search for an origin paper that interests them, and see from the resulting map which recent papers have made a splash in their field, how they relate to other research, and how many citations they have accrued. “You do not have to sit on the hose of papers and look at every paper that comes out for fear of missing it,” says Smolyansky. The tool is also helpful when scientists want to dive into an entirely new field, he adds, providing an overview of the essential literature. Another visual-mapping tool is Open

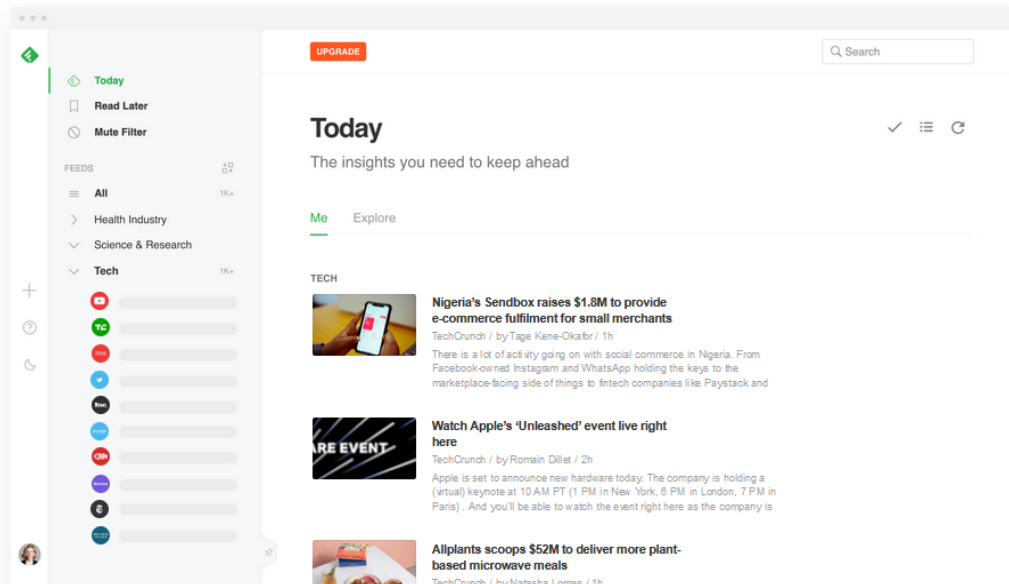
Nature | Vol 597 | 2 September 2021 | 141
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Matthews, D. (2021). Drowning in the literature? These smart software tools can help. *Nature*, 597(7874), 141–142.

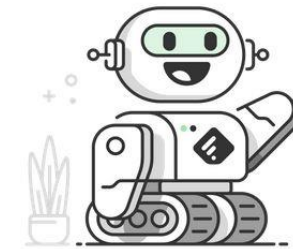
Nye verktøy - Feedly

Feedly.com (your AI research assistant)

Organize all your trusted sources in **one place**



← Return to the homepage



Meet Leo, Your AI Research Assistant

Cut through the noise and focus on the specific topics and trends that matter to you

JANUARY 18, 2020

Goodbye Information Overload

Filtering out the noise so you can focus on what really matters is a challenge we are

Nye verktøy - Research rabbit

Navigasjon mellom forfatter og emner

The screenshot displays the Research Rabbit interface, which is divided into several panels:

- My Collections:** Shows a collection named "Design thinking" with 2 papers and a "New Collection" button.
- Design thinking (2 papers):** A list of papers with filters and sorting options. The list includes:
 - Gasparini 2015: Perspective and Use of Empathy in Design Thinking
 - Brown Wyatt 2010: Design Thinking for Social Innovation
- Similar Work (300 papers):** A list of similar papers with filters and sorting options. The list includes:
 - Sanders Stappers 2008: Co-creation and the new landscapes of design
 - Rowe 1967: Design Thinking
 - Buchanan 1992: Wicked Problems in Design Thinking
 - Brown Katz 2009: Change by design : how design thinking transforms organizations and inspires innovation
 - Brown Katz 2011: Change by Design
 - Johansson-Skoldberg and Cetinkaya 2013: Design Thinking: Past, Present and Possible Futures
 - Razzouk Shute 2012: What is Design Thinking and Why
- Connections between your collection and 50 papers:** A network visualization showing connections between authors and topics. The graph includes nodes for authors like Gasparini '2015', Brown '2010', and Johansson-Skoldberg '2013', and topics like Design Thinking, Co-creation, and Wicked Problems. The interface allows for filtering by graph type (Network, Timeline) and labels (First Author, Last Author).

Nye verktøy - Connected papers

Navigasjon mellom artikler

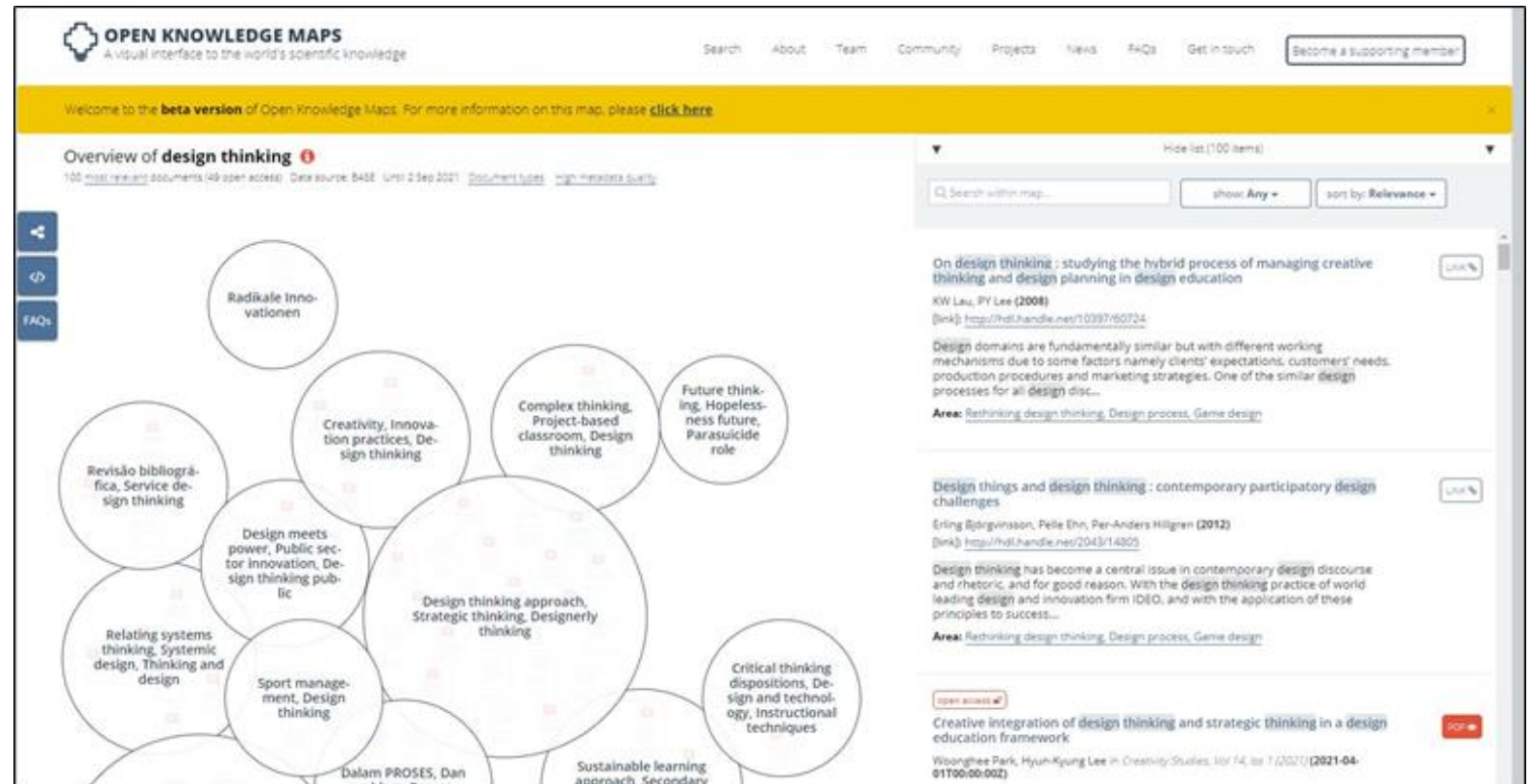
Forfatter er selve objektet



Nye verktøy - Open knowledge maps

Grupperer relevante artikler basert på emner

Bygger på
270.000.000 dokumenter!



The screenshot displays the Open Knowledge Maps interface. At the top, the logo reads "OPEN KNOWLEDGE MAPS" with the tagline "A visual interface to the world's scientific knowledge". Navigation links include Search, About, Team, Community, Projects, News, FAQs, and Get in touch. A yellow banner welcomes users to the beta version. The main content area is titled "Overview of design thinking" and shows a network map of concepts. The map includes nodes such as "Radikale Innovationen", "Creativity, Innovation practices, Design thinking", "Complex thinking, Project-based classroom, Design thinking", "Future thinking, Hopelessness future, Parasiticide role", "Revisão bibliográfica, Service design thinking", "Design meets power, Public sector Innovation, Design thinking public", "Design thinking approach, Strategic thinking, Designerly thinking", "Relating systems thinking, Systemic design, Thinking and design", "Sport management, Design thinking", "Critical thinking dispositions, Design and technology, Instructional techniques", "Dalam PROSES, Dan", and "Sustainable learning approach, Secondary". To the right, a list of articles is shown, including "On design thinking: studying the hybrid process of managing creative thinking and design planning in design education" by KW Lau, PY Lee (2008) and "Design things and design thinking: contemporary participatory design challenges" by Erling Björgvinsson, Pelle Ehrn, Per-Anders Hillgren (2012). A search bar and filters are visible at the top right of the article list.

Iris

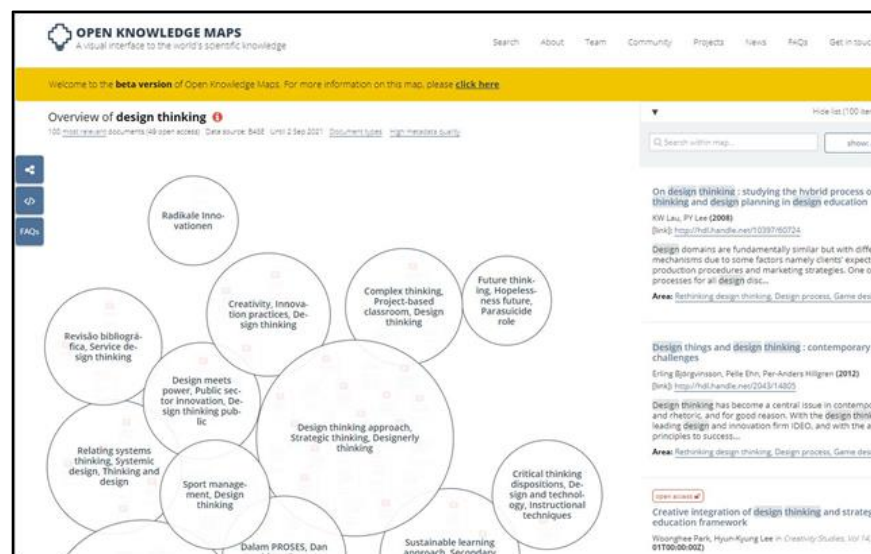
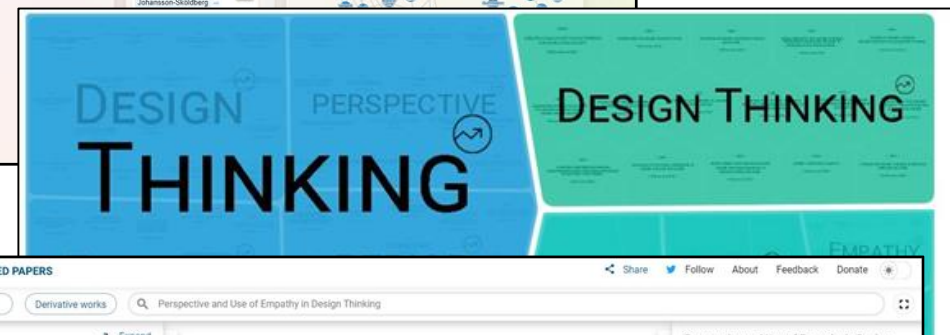
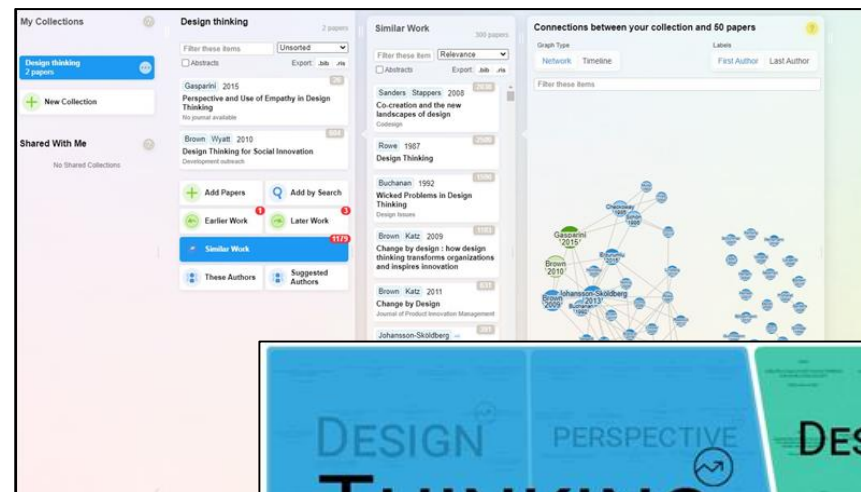
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Eksempel på problemstillinger:

Hva skjer når en forsker bruker alle disse verktøyene for å kartlegge sin forskingsområde?

Hva skjer hvis han **IKKE** bruker dem?



UBO trenger flere arenaer

Lage arenaer hvor UBO ansatte kan delta sammen med relevante partnere:

- Livsvitenskap
- Medisinsk fakultet
- Digital Humaniora



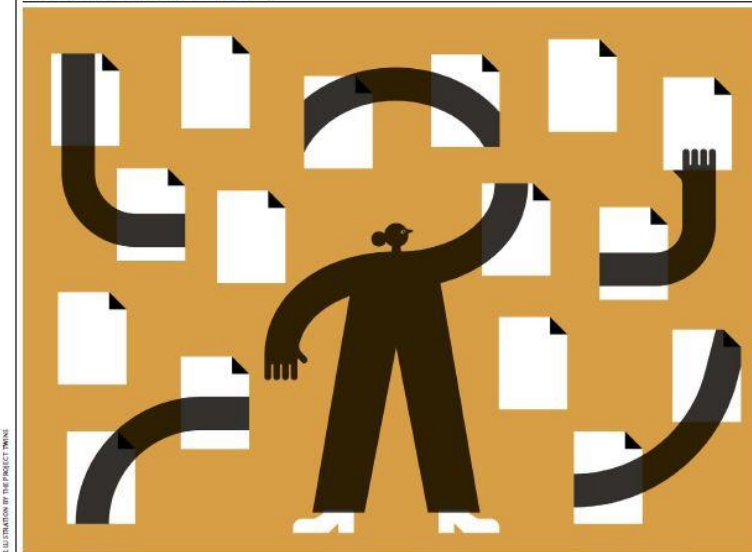
NORA

Norwegian Artificial Intelligence
Research Consortium

Målsetting 1

Som ett minimum, så bør UBO ansatte forstå alle aspekter, positive og negative, de enkelte KI-baserte tjenester har

Work/ Technology & tools



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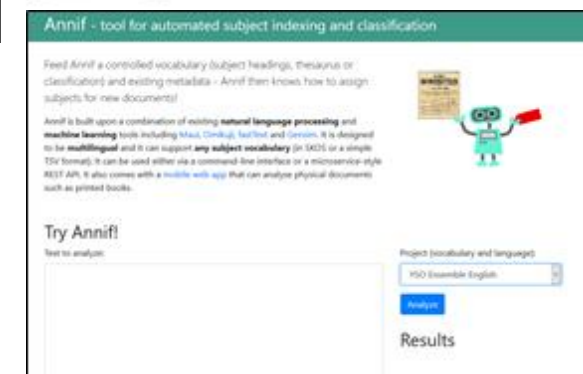
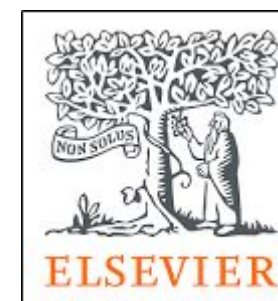
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Målsetning II

Bygge opp generell kompetanse hos UBO ansatte om KI

Identifisere bruksområder for KI-baserte verktøy

Støtte våre UiO brukere i å finne ut om slike verktøy kan anvendes



Strategi 2021 - 2025

Kompetanse innad UBO

Kurspakke for UBO ansatte

Utvikle interne prosjekter hvor KI er en vesentlig premissleverandør

Interne prosesser

Effektivisering eller forbedring av egne tjenester (f.eks. prediksjon av e-bok-behov, spesialsamlinger og databaser, osv.)

Utadrettet aktivitet

Samarbeid på UiO-nivå. Ett eks. kan være et prosjekt med "Koordineringsgruppe for undervisningsutvikling ved UBO", LINK og UBOs Akademisk Skrivesenter

Generelle kurs for UiO-brukere

Samarbeid med eksterne aktører vil bli av essensiell betydning

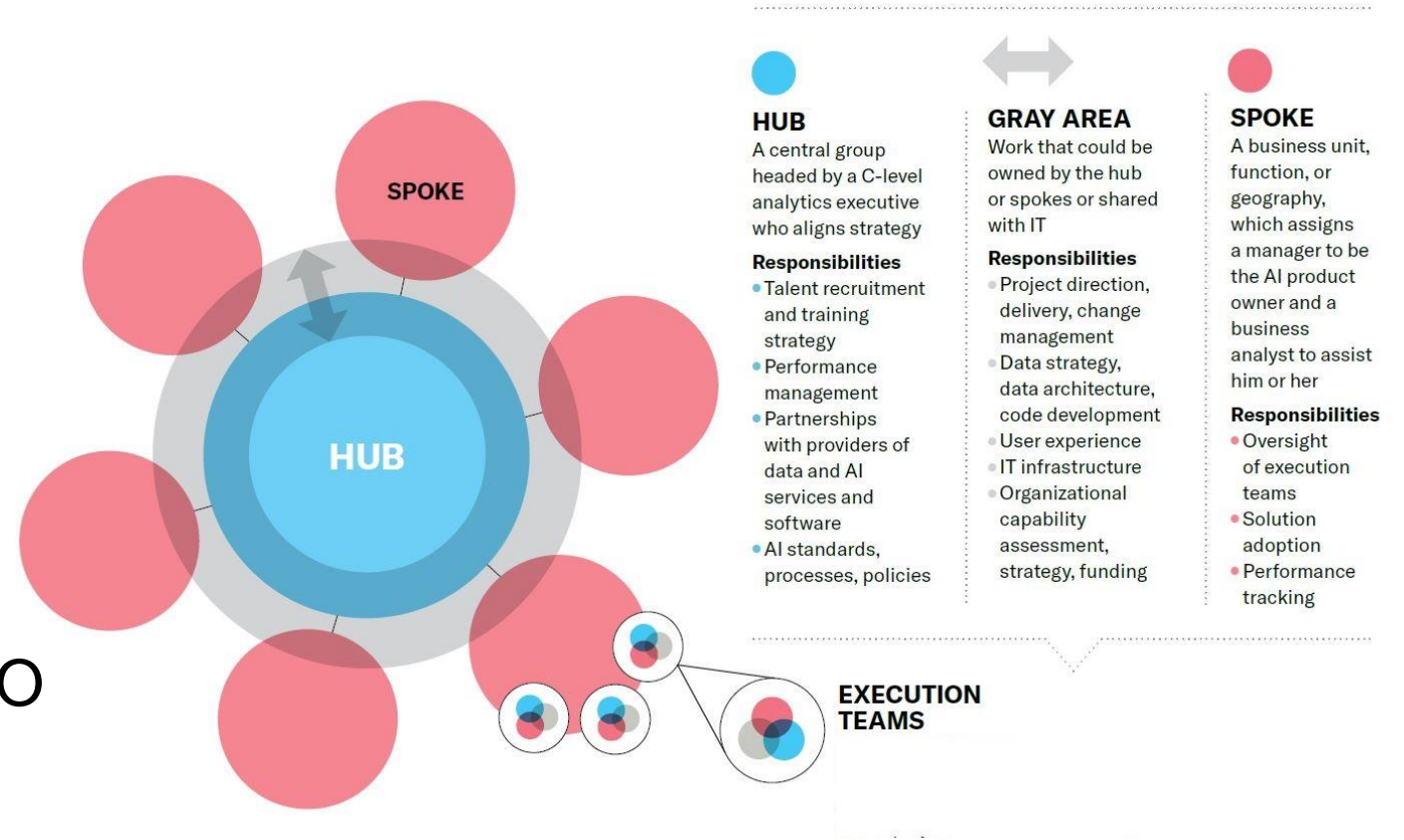
Visjon - HUB

Unngå silo

I perioder invitere inn NB og Nora

Midler for å kjøpe fri ansatte på UBO

Fokus på *kultur*, ikke bare på teknologi



Fontaine, T., McCarthy, B., & Saleh, T. (2019, July 1). Building the AI-Powered Organization. *Harvard Business Review*. <https://hbr.org/2019/07/building-the-ai-powered-organization>

Tusen takk