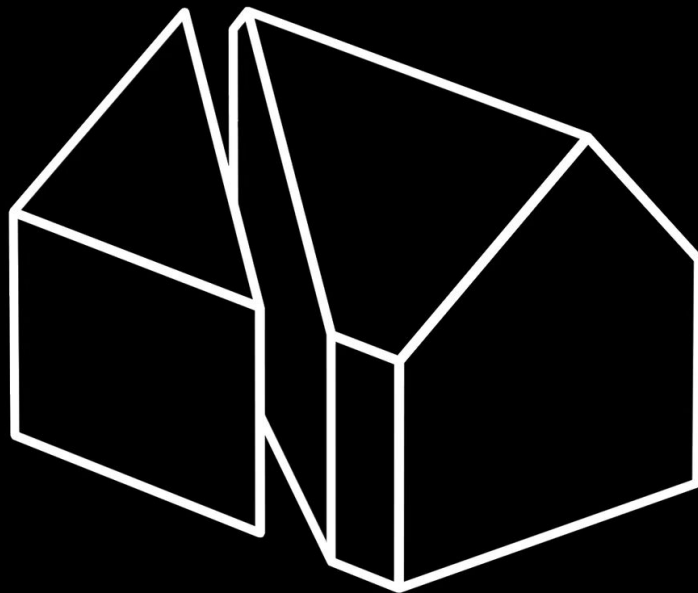




Dezentrum

Zukunftswissen



Viva Luna Studios. Via unsplash



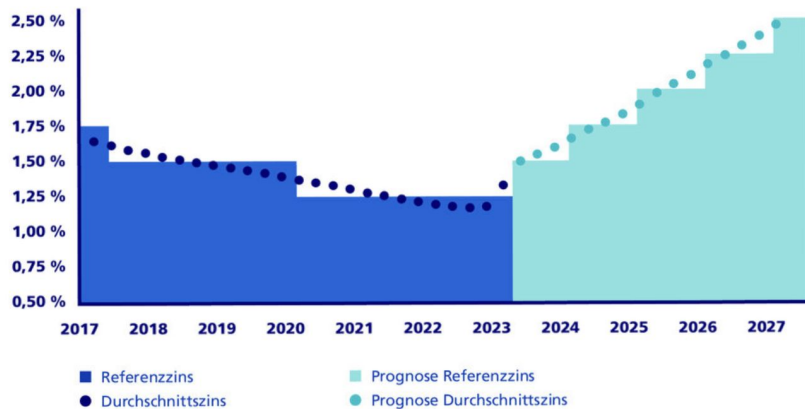
Elena Koycheva. Via unsplash



Zukunftswissen



Zukunftswissen

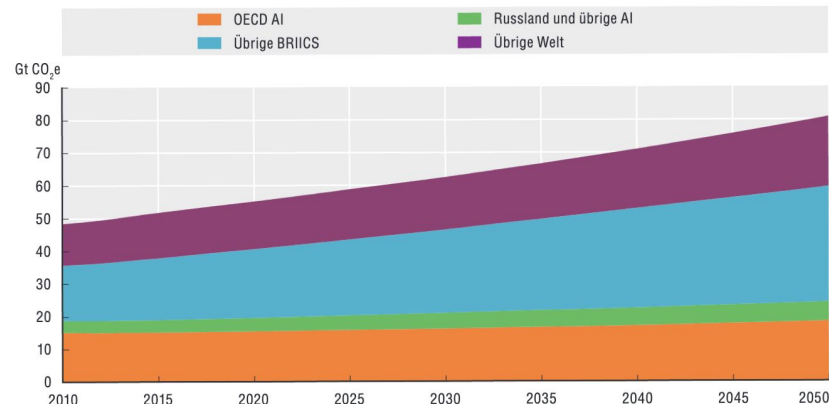


Stand: März 2023

Quelle: Zürcher Kantonalbank

Quelle ZKB, 2023

Abbildung 0.1 Treibhausgasemissionen nach Region: Basisszenario, 2010-2050



Anmerkung: AI = Annex-I-Länder des Kyoto-Protokolls.

Gt GO₂e = Gigatonnen CO₂-Äquivalente.

Quelle: Basisszenario des OECD-Umweltausblicks; Ergebnisse von Berechnungen anhand des ENV-Linkages-Modells.

StatLink <http://dx.doi.org/10.1787/888932570468>

Quelle OECD, 2012



—

Warum in Zukünften denken und
Szenarien entwickeln?



«If you can imagine it, you can achieve it.»

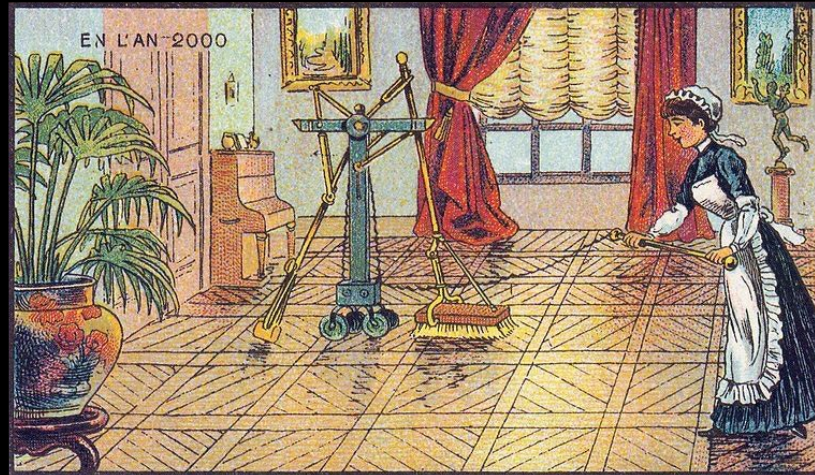
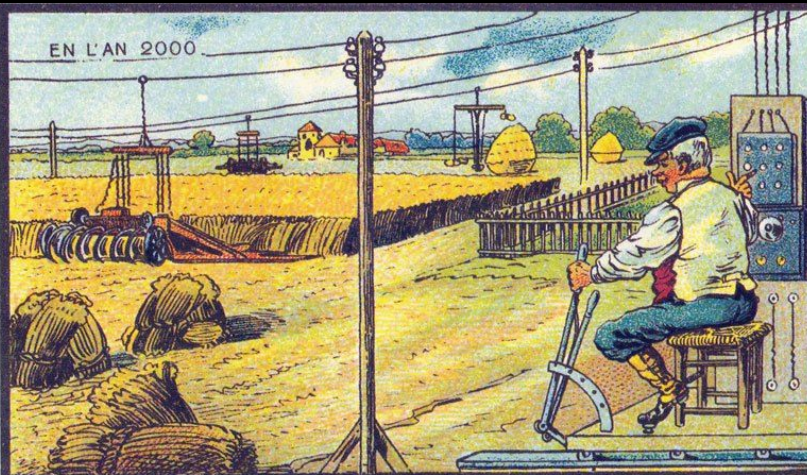
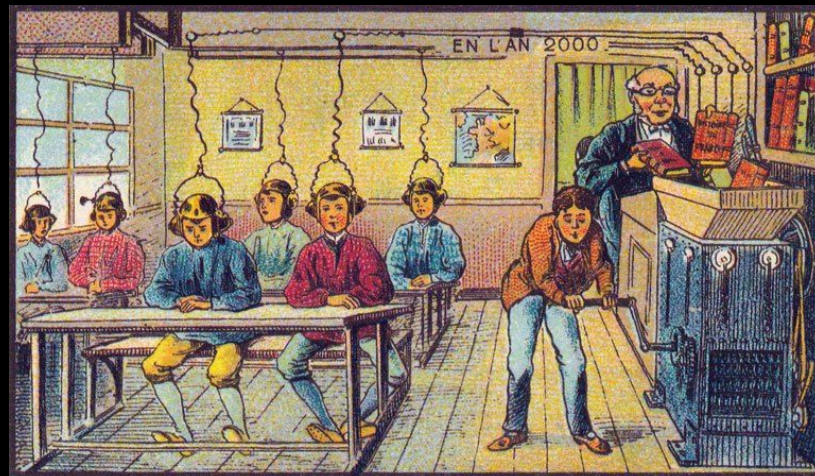
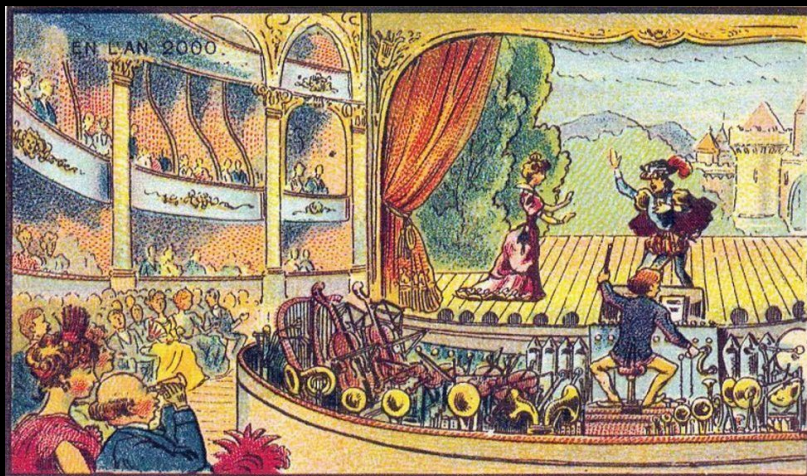
Je konkreter unsere Vorstellung, umso wirksamer ist dieses Zukunftsbild für das Handeln der Menschen im Hier und Heute.



Zukunftsbilder machen Zukünfte diskutierbar







1964: Telefonieren in der Zukunft?



Telefon von 1964 (Bild: pbs.org)





«The communicator» aus Star Trek, Ersterscheinung 1964



Captain Kirk mit «the communicator» (1971) (Bild: Star Trek)



1964



1996



1964



mibEC
 COMMUNICATING
 WITH
 THE FUTURE

Audio Tooth Implant von Auger und Loizeau (2001)

Internet Explorer 5.0 | Netscape 4.0 | MSN 4.0 | AOL 4.0 | Search | Shopping | Netscape Presents: 2

CNN.com / SCI-TECH

Created: Fri Jun 28 20:55:31 EDT 2002

Would you want a telephone implanted in your tooth?

Yes	14%	7879 votes
No	86%	46852 votes
Total: 54,731 votes		

This QuickVote is not scientific and reflects the opinions of only those Internet users who have chosen to participate. The results cannot be assumed to represent the opinions of Internet users in general, nor the public as a whole. The QuickVote sponsor is not responsible for content, functionality or the opinions expressed therein.

Related:

- [Inventors create 'telephone tooth'](#)

2R THE SUN, Saturday, June 29, 2002 21

RADIO CHEW
 Listen to shows and phone via your tooth

Helped

It could allow the listener to receive information anywhere and at anytime. So, off-duty City traders could be kept in date with vital stock market information, while sports doctors could send information to politicians as they are being interviewed.

The James Bond-style gadget can be turned on and off using a hand-held remote. It is believed to be the world's first in-body consumer product.

The device was invented by James Auger, from Derby, helped by his pal Jimmy Loizeau, 23, from Rhyl, North Wales.

James and Jimmy demonstrated the technology by using an adapted toothpaste tube as a cocktail stirring stick. By placing one end of the stick into the equipment and holding on the other hand, people will hear music clearly. But no one else can hear it.

At present, the device is only a mock-up and lacks the communicating chip to make it work. But Jimmy said: "With the aid of micro-chips it is feasible."

because we did not want to thrust this too far into the future to enable people to understand and believe it.

James and Jimmy demonstrated the technology by using an adapted toothpaste tube as a cocktail stirring stick.

By placing one end of the stick into the equipment and holding on the other hand, people will hear music clearly. But no one else can hear it.

At present, the device is only a mock-up and lacks the communicating chip to make it work. But Jimmy said: "With the aid of micro-chips it is feasible."

(v.o.) CNN Umfrage im Juni 2002. Beitrag in The Sun vom Juni 2002

A small house raises big questions

Buildings that own and run themselves: this idea, from the think-tank Dezentrum, was put into action for the first time at ETH Zurich in the form of a prototype. The result is a meditation cabin that shakes up the usual economic and social expectations.

27.10.2021 by [Leo Herrmann](#)



PhD candidate Hongyang Wang with the prototype no1s1 in the Studio of Architecture at ETH Zurich



Das Haus, das sich selbst verwaltet (SRF 4 News)

Aus Digital vom 18.03.2022.
Bild: SRF

News >

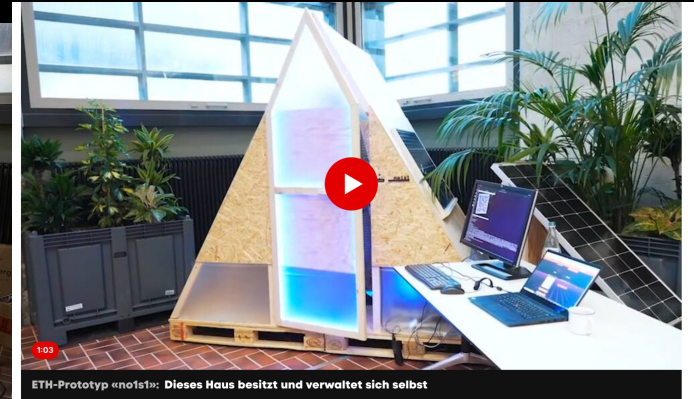
Das Haus, das sich selbst verwaltet (SRF 4 News)

Blockchain und IoT

Das Haus, das sich selbst verwaltet

Neue Technologien sollen die Kosten für die Verwaltung senken. Noch gibt es viele offene Fragen.

Peter Buchmann
Samstag, 19.03.2022, 09:45 Uhr



ETH zeigt Prototyp «no1s1»

Das sich selbst besitzende Haus ist ein Traum für Mieter

Marktübersicht

+/-	Titel	Aktuell	+/- %
⬇	SMI	12'149.05	-0.92%
⬇	SPI	16'179.30	-0.80%
⬇	DAX	19'443.99	-0.09%
⬆	Ölpreis (Brent)	74.88	+1.15%

 Sunny 74-88 • Tomorrow: Partly sunny 74-88. RC

TRUMP HASTILY DEPARTS WHITE HOUSE, ENDING CRISIS

Celebrations
break out
worldwide
as Trump
era ends

Entire globe breathes
sigh of relief at end of
dark period

STANDSTILL - When news of Donald Trump's abduction spread through Amsterdam, it literally stopped traffic, as the normally reserved Dutch lay down their bicycles and strong-willed strangers.

...about 200 people slip into a private car in the wee hours of the morning.

Pres. Pence begins his 'dipped duck' term

parties popped up in major cities and spread across the country, the American government had fled. As news spread of what appeared to be the first U.S. presidential resignation...

New president starts work
 BY ELIZABETH LEWIS
 When Mike Pence...

new Mike Pence will be reported...
 primarily to the extent to a...
 (AP Photo/Chris Wedel)

"BLAME CROOKED
HILLARY & HISTORY"

© 1999 by John Wiley & Sons, Inc.

1000

Pres. Pence begins 'dipped duck' term

New president starts term

Now Mike Price will be reported

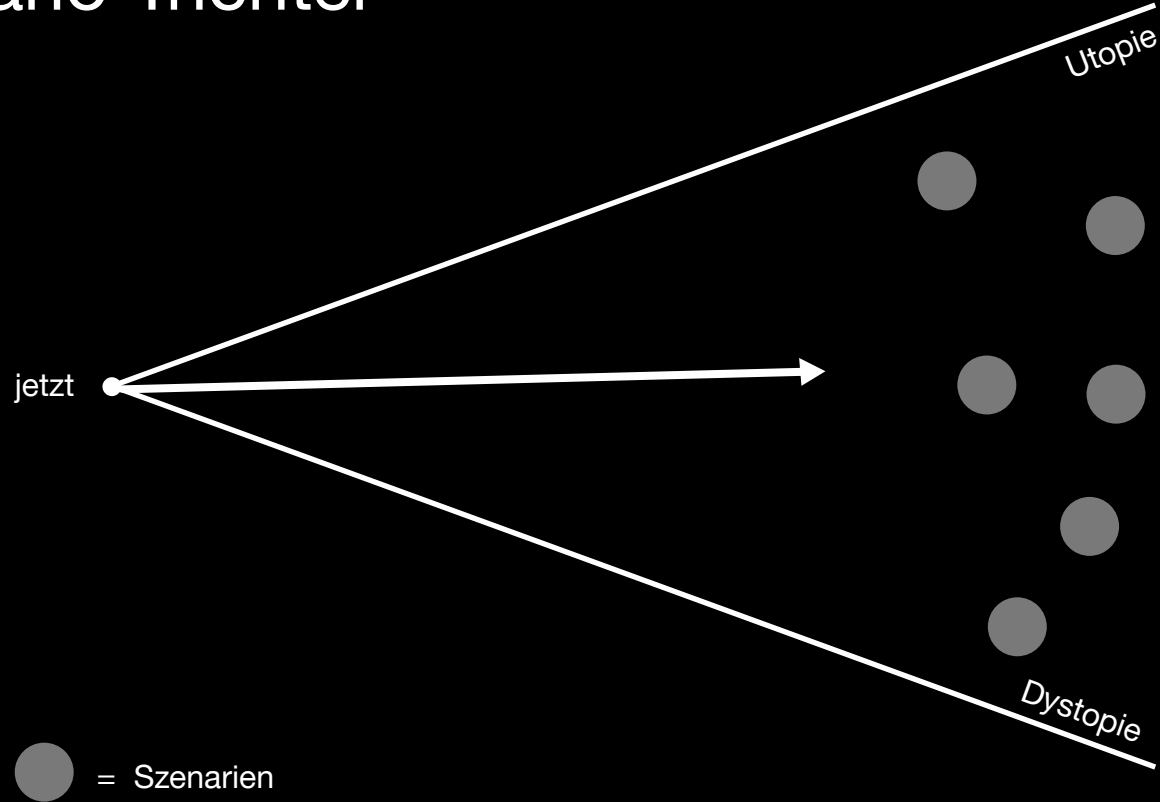
BY EUGENE LEWIS

When Mike Foster

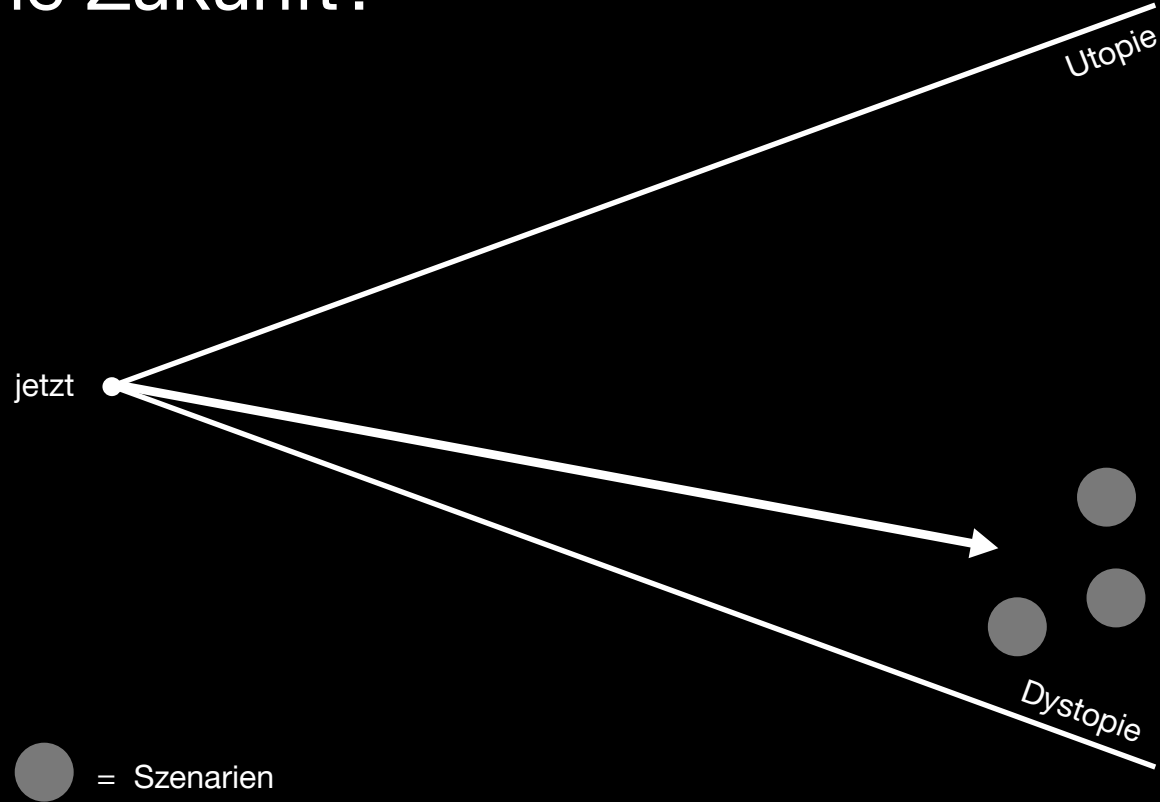
Zukunfts-Szenarien statt Prognosen



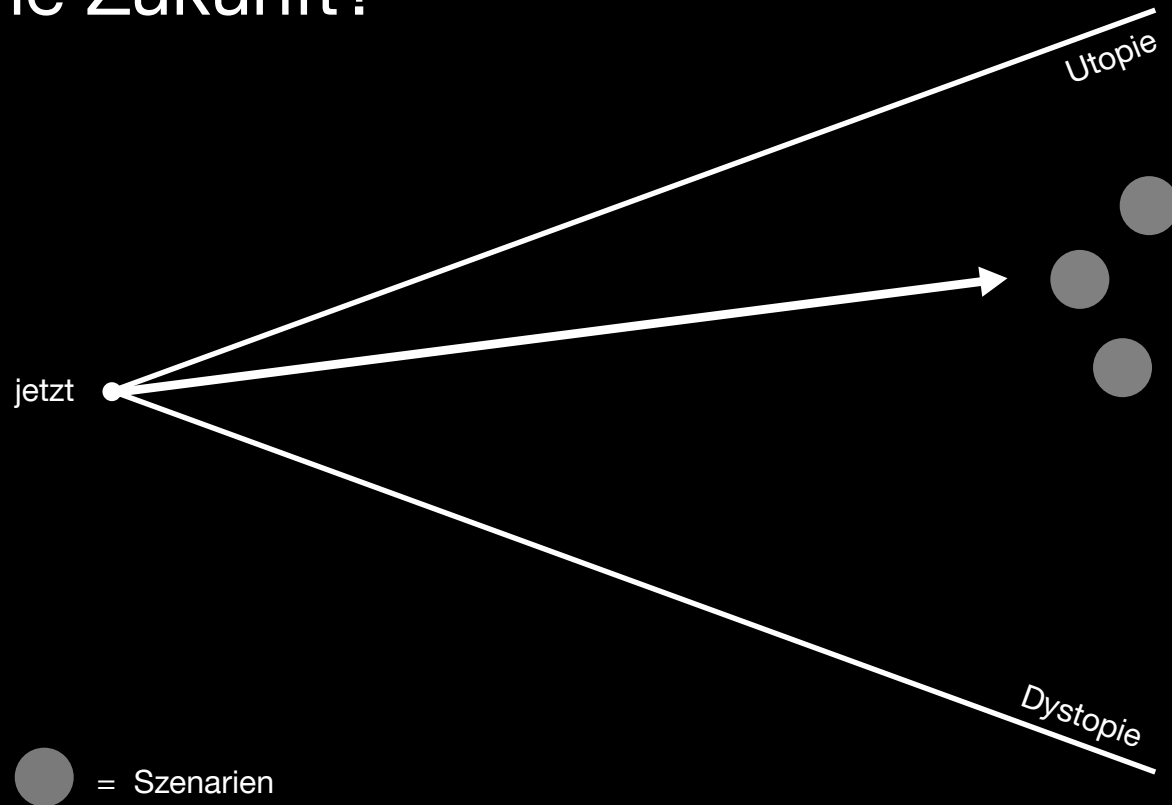
Szenario-Trichter



Welche Zukunft?



Welche Zukunft?

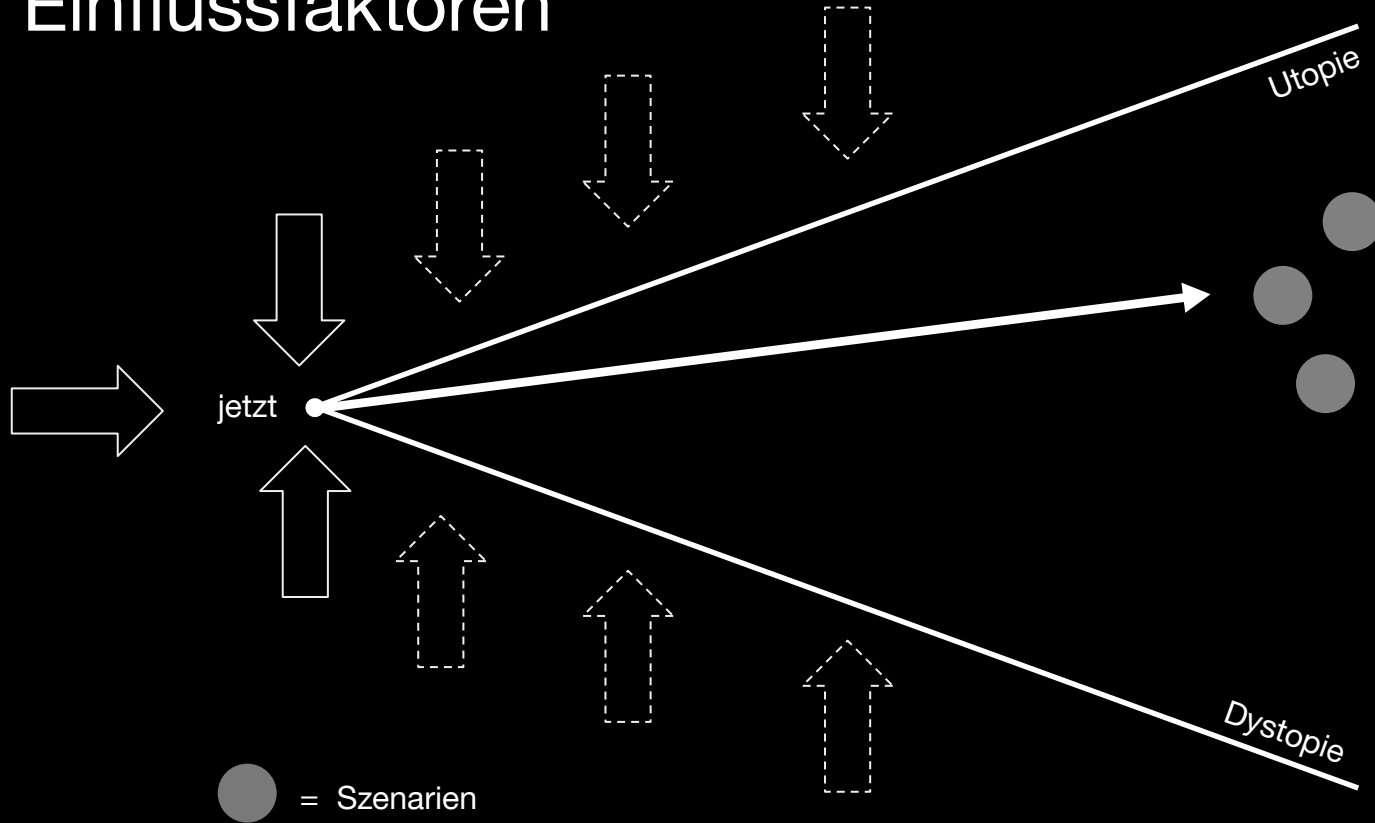


«Man muss aufpassen, womit man seinen Geist füttert. Wenn ich nur Katastrophenmeldungen absorbiere, denke ich auch, die Zukunft werde katastrophal.»

Florence Gaub, Zukunftsforscherin



Einflussfaktoren



Mini-Workshop: Szenarien

Untersuchungsfeld: Gesundheitssystem

Referenzjahr: 2034



Schritt 1

- Einflussfaktoren: Welche Entwicklungen und Trends beeinflussen das Untersuchungsfeld [Gesundheitssystem] heute und in Zukunft?

Beispiele: alternde Gesellschaft, Künstliche Intelligenz, Fachkräftemangel, ...



Schritt 2

- Projektion: Welches Szenario im Jahr 2034 wäre wünschenswert?

Beispiel: Ein solidarisches und präventionsorientiertes Gesundheitswesen



Schritt 3

- Artefakt:
Wie könnte eine Zeitungs-Headline am 23. Oktober 2034 lauten, die das Szenario beschreibt? Was wäre ein passendes Bild?

Die Schweizer Tageszeitung

Tages-Anzeiger

Mittwoch
25. Oktober 2034
Euro 2.50

Skandal um KI-Professur an ETH
Praesent blandit dolor. Sed non quam lacus, suspendisse potenti. 15

Temperaturen bleiben sommerlich
Nullam quis ante. Etiam sit amet orci eget eros faucibus tincidunt. 33

Die Rüeblihose feiert ihr Comeback
Duis leo. Sed fringilla, massa id faucibus. Nisi vel euismod viverra? 57

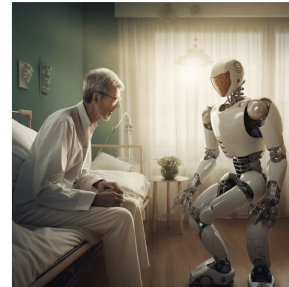


Krankenkassenprämien dank Care-Robotern auf Allzeittief.

In at lacus a risus cursus dapibus. Nulla facilisi. Vivamus at mi nec augue ultrices venenatis. Donec euismod neque ac mauris vehicula.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute inure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

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Aliquam erat volutpat. Morbi lacinia, nisi vel euismod viverra, ligula massa vulputate nisl, at scelerisque orci magna in magna. Cras interdum, dolor sit amet viverra



Übersicht

Untersuchungsfeld: [Gesundheitssystem]

Referenzjahr: 2034

- Sammeln: Welche Faktoren, Entwicklungen, Trends beeinflussen die Zukunft des Untersuchungsfeldes [Gesundheitssystem]?
- Welches Szenario im Jahr 2034 wäre wünschenswert?
- Wie könnte eine Zeitungs-Headline am 23. Oktober 2034 lauten, die das Szenario beschreibt? Was wäre ein passendes Bild?



Vielen Dank!

Sarah Bleuler – sarah.bleuler@dezentrum.ch

Flurin Hess – flurin.hess@dezentrum.ch

Linkedin: Dezentrum Think & Do Tank

Instagram: [@dezentrum.ch](https://www.instagram.com/dezentrum.ch)

Website & Newsletter: dezentrum.ch

