

FUTURE SCENARIOS FOR SUSTAINABLE BUSINESS SOLUTIONS

Winter term 2021

Session 1 & 2: Preparation phase

CODE OF CONDUCT OF CBS



For lectures during the COVID19 pandemic

- 1. Consent to the recording and provision of teaching content by the university
- 2. No further distribution of materials or recordings, not even in extracts
- 3. No publication (or "post") of any other person's private or confidential information, except with explicit permission
- 4. No own recordings (e.g. via Smartphone) of lectures, not even in extracts
- 5. Respectful & polite interaction also online

SPECIAL RULES FOR ATTENDENCE LECTURES:

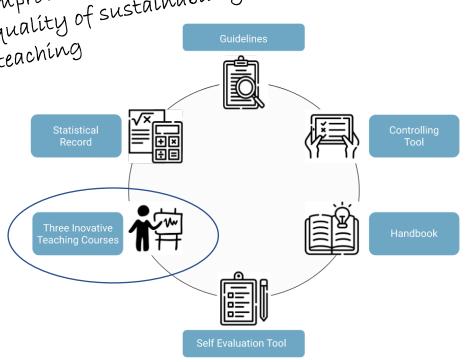
- 1. Documentation of attendance with seat and signature according to official regulations
- 2. Wearing of mouth/nose protection in the lecture rooms and staying away from the campus in case of symptoms of illness
- 3. Regular and thorough hand washing, as well as hand disinfection before the start of the lecture
- 1. Keeping a distance as far as possible and leaving seats free, as well as refraining from physical contact and shaking hands
- 5. Compliance with lecturers' instructions, particularly with regards to orders to leaving the lecture room in the event of violation of the guidelines













https://effort.lehre.hwr-berlin.de/

Newsletter: https://effort.lehre.hwr-berlin.de/join-the-network









Hochschule für Wirtschaft und Recht Berlin Berlin School of Economics and Law





INTRODUCTION



NOW YOU! PLEASE BRIEFLY INTRODUCE YOURSELF



- WHY DID YOU PICK THIS ELECTIVE AND WHAT DO YOU HOPE TO LEARN?
- WHAT DOES A DESIRABLE FUTURE FOR YOU LOOK LIKE (personally/in general)?
- WHAT IS THE ROLE OF BUSINESS SCHOOLS IN THIS DESIRABLE FUTURE?

INTRODUCTION



PLEASE GO TO www.menti.com AND ENTER 4363 3562!



EFFORT SURVEY



PLEASE KINDLY COMPLETE THE SURVEY VIA THE LINK BELOW!



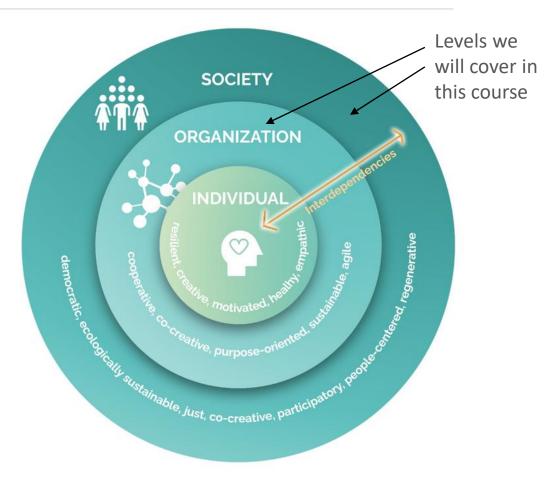
https://ww2.unipark.de/uc/Teaching_Sustainability/e969/

A SYSTEMIC VIEW



TRANSFORMATIVE CHANGE TAKES PLACE ON DIFFERENT LEVELS

- Metaperspective: How does transformation happen? What is systemic change? How are inner and outer transformation connected and which levers do we have to move to really have impact?
- Individual (Level 1): What tools and methods for self-reflection and self-development are particularly helpful for being energetic and joyful under difficult conditions?
- **Organization** (level 2): Which new organizational forms help to break destructive economic structures? What are success factors in organizations? How do we create meaning in the workplace?
- Society (level 3): What comes after the fossil age? What questions arise after the Corona crisis? What choices is human culture running toward? What are working mechanisms and logics and where are they already becoming visible (realutopias)?

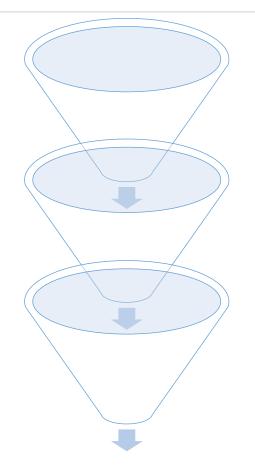


https://www.realutopien.de/en/our-approach/

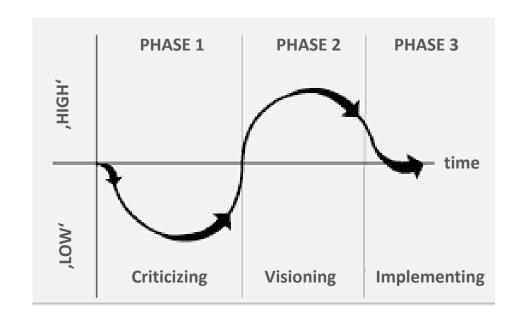
FUTURE WORKSHOP METHODOLOGY



"ZUKUNFTSWERKSTÄTTEN" (ROBERT JUNGK)



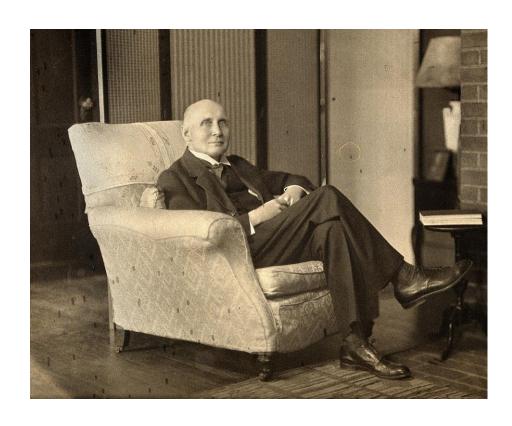
- Phase 1: Critique phase
 - Collecting and specifying critical aspects
 - Clustering and selection
- Phase 2: Visioning phase
 - Creating and envisioning different scenarios/utopia
 - Selecting preferred utopia
- Phase 3: Implementation phase
 - Specifying utopia, list demands
 - Deciding on development paths and deliverables



Source: https://jungk-bibliothek.org/

ON FUTURE AND SCIENCE





SESSION 1&2

"Modern science has imposed on humanity the necessity for wandering. Its progressive thought and its progressive technology make the transition through time, from generation to generation, a true migration into uncharted seas of adventure. The very benefit of wandering is that it is dangerous and needs skill to avert evils. We must expect, therefore, that the future will disclose dangers. It is the business of the future to be dangerous; and it is among the merits of science that it equips the future for its duties. [...] In the immediate future there will be less security than in the immediate past, less stability. It must be admitted that there is a degree of instability which is inconsistent with civilization. But on the whole, the great ages have been unstable ages." - Alfred North Whitehead, 1925, Science and the Modern World, New York: Macmillan, p. 291.



INTRO INTO FUTURE STUDIES

DEFINITION



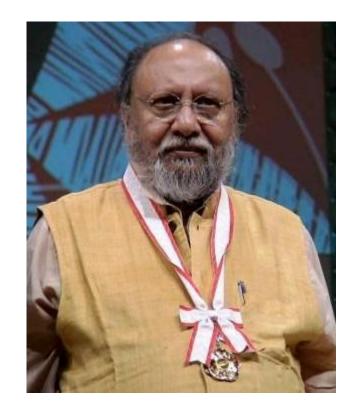
- Future studies/foresight is a transdisciplinary field that has emerged over the past few generations to meet the need for more systematic consideration of how change could unfold, and how we can work with it
- Every human being has and uses some foresight capacity; the tools and practices of the field can help amplify or augment this



WHAT FUTURISTS THINK ASHIS NANDY ON THE FUTURE



"For me, futures studies are basically a game of dissenting visions. They are an attempt to widen human choices, by reconceptualising political, social and cultural ends; by identifying emerging or previously ignored social pathologies that have to be understood, contained or transcended; by linking up the fates of different polities and societies through envisioning their common fears and hopes." - Ashis Nandy, "Bearing Witness to the Future"



Source: https://www.benlandau.com/wp-content/uploads/2015/06/Nandy-Bearing-witness-to-the-future.pdf; Nandy, A. (1996). Bearing witness to the future. Futures, 28(6-7), 636–639. https://doi.org/10.1016/0016-3287(96)84465-X

DIFFERENCE, DIVERSITY, DEPTH THREE DIFFERENT FACETS OF THOUGHT



- **Difference**: Future context is not the same as the present context
- **Diversity**: The future is always multiple potential, not just one
- **Depth**: Any future that we get will be as real and complex as the present is.



Stuart Candy: @futuryst @sitlab; scandy@cmu.edu; https://futuryst.blogspot.com/

DIFFERENCE

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- Very often we think in terms of whatever is going on in the present, just extended indefinitely.
- A set of research practices called **scanning** (environmental/horizon scanning) exist to help us identify changes earlier on, and make a habit of asking **,,what if**?"

• "A broad (STEEP) horizon scan and application of that scan to key infrastructure including communications, transport and utilities."

Christoph Koch

WAS WÄRE,

WENN...

33 SZENARIEN, DIE UNSERE
WELT NEU DENKEN



Social
Changes in
Demographics and
Lifestyles
Social Trends
(family structures,
income age,
nationality,
diversity etc.)

Technology Changes in InfoComms, New Media, Engineering, Sciences Economy
Changes in
Economy, Macro &
Micro Industry Trends,
Economic Policies
& Performance,
Foreign Direct
Investments, Flow
of Funds &
Spending

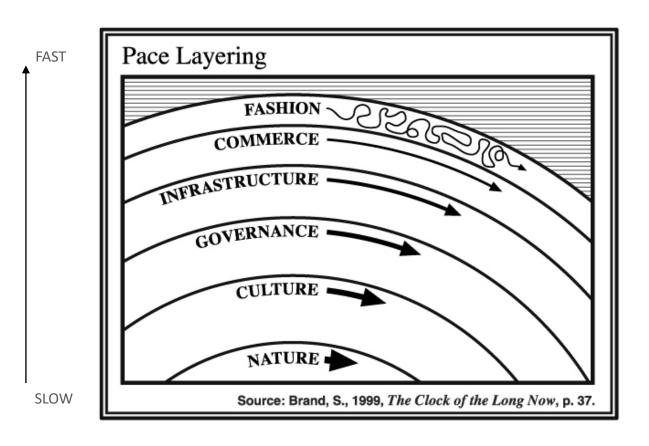
Environment
Changes in
Living & Built
Environment,
Environmental
issues (stakeholder
expectations, costs
of compliance,
green reporting

Politics &
Government
Changes in
Government
Policies,
Guidelines,
Political Emphasis

DIFFERENCE



THE FUTURE CONTEXT IS NOT THE SAME AS THE PRESENT CONTEXT



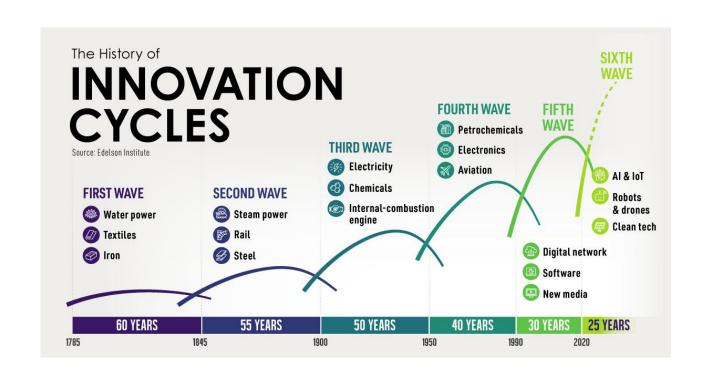
- "Pace Layer Thinking": Stewart Brand
- six significant levels of pace and size in the working structure of a robust and adaptable civilization

Stuart Candy: @futuryst @sitlab; scandy@cmu.edu; https://futuryst.blogspot.com/, https://blog.longnow.org/02015/01/27/stewart-brand-pace-layers-thinking-at-the-interval/, https://jods.mitpress.mit.edu/pub/issue3-brand/release/2

DIFFERENCE FUTURE AND INNOVATION CYCLES



- "Everything that exists once did not. Everything that currently exists one day will no longer. And changes don't spring fully formed out of nowhere, they are often foreseeable, once one learns to look."
- "If we're just responding to conditions that already exist, we are reacting, not anticipating...and always playing catch-up, always on the back foot"



Stuart Candy: @futuryst @sitlab; scandy@cmu.edu; https://futuryst.blogspot.com/; https://www.visualcapitalist.com/the-history-of-innovation-cycles/

DIFFERENCE THE FUTURE IS ANOTHER PLACE

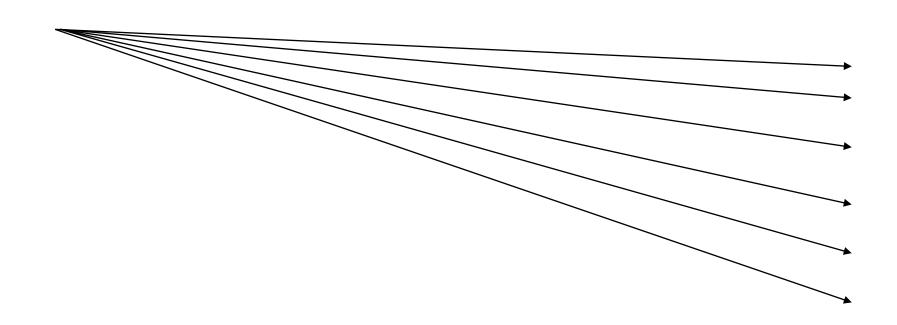


TAKEAWAY

It's important to ask how the future context might be different from the present, and to **make a habit of tracking change** in different aspects of the system. But when you begin to track changes, you notice they don't all just point in the same direction...

SECOND FACET: DIVERSITY





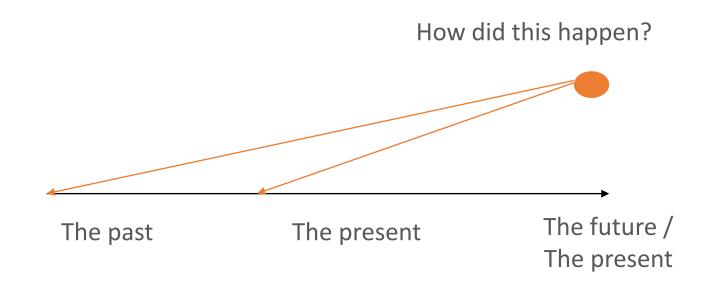
Stuart Candy: @futuryst @sitlab; scandy@cmu.edu; https://futuryst.blogspot.com/

DIVERSITYMULTIPLE FUTURES



• Any *single* image of the future, no matter how compelling, is *incomplete*.

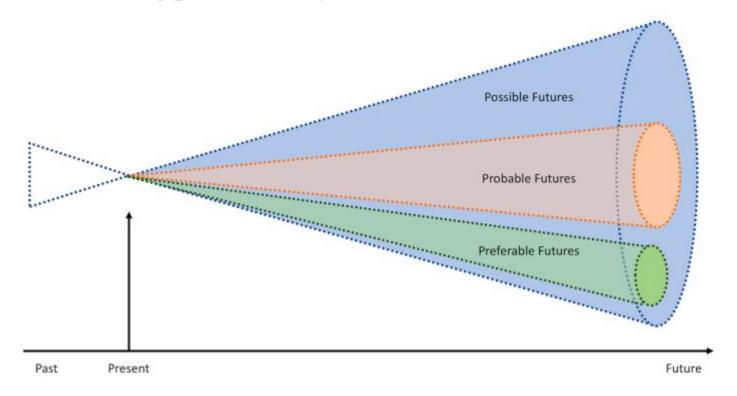
Our expectations are constantly being defeated.



DIVERSITYTHINKING PLURALISTICALLY

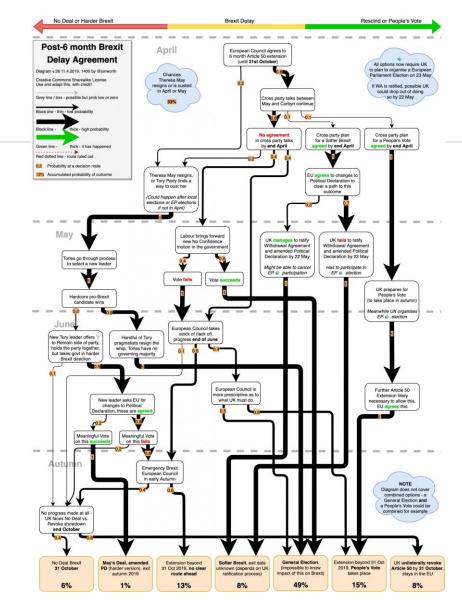


Instead of thinking linearly about the ,,most likely trajectory", the idea here is to make the habit of **thinking pluralistically about alternatives**.



DIVERSITYDIFFERENT SCENARIOS

• There are many generative processes and frameworks available; ways of generating alternative futures and scenario sets



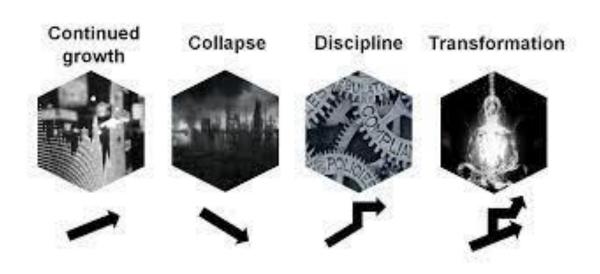


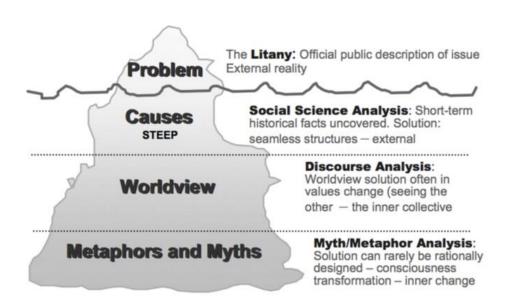
Stuart Candy: @futuryst @sitlab; scandy@cmu.edu; https://futuryst.blogspot.com/, https://jonworth.eu/brexit-where-now-the-flow-diagrams/

DIVERSITY



DATOR'S FOUR GENERIC FUTURES AND CAUSAL LAYERED ANALYSIS





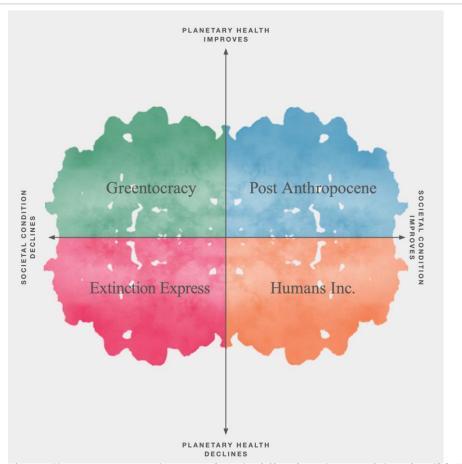
Jim Dator (1979)

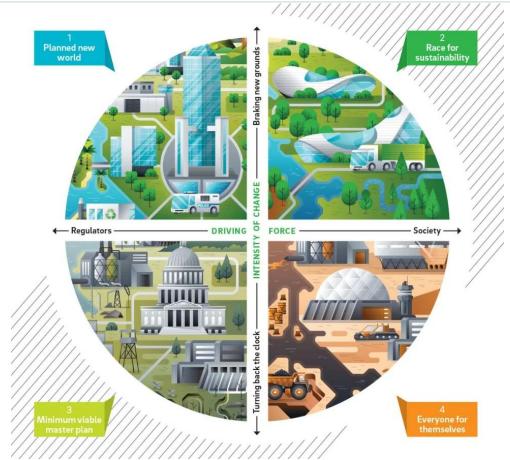
Sohail Inayatullah (1998)

DIVERSITY



FOUR SCENARIOS – WHAT WILL THE WORLD LOOK LIKE IN 2050?





Source: https://www.arup.com/perspectives/publications/research/section/2050-scenarios-four-plausible-futures; https://www.rolandberger.com/en/Insights/Publications/Sustainarama-How-sustainability-will-change-the-world-in-2050.html

DIVERSITY

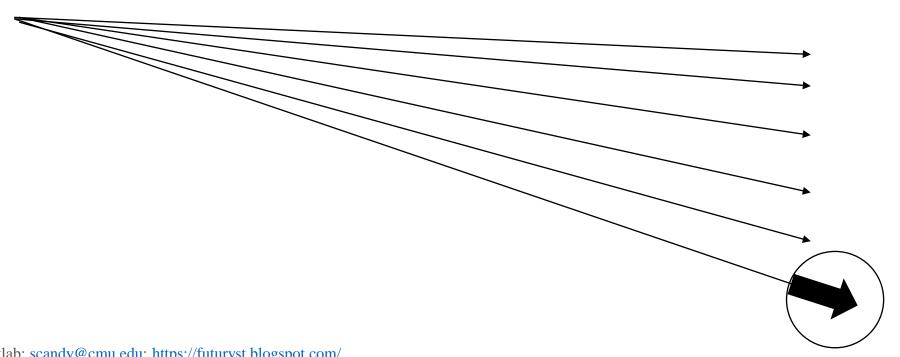


TAKEAWAY

- It is important for resilient organizations to map a range of futures, on an ongoing basis, to keep up with change.
- In practiced hands, these frameworks can be very powerful ways to generate useful insight for organizations, communities, and leadership
- But experience has shown us that simply raising these possibilities "let's think about this!" writing reports, describing them in charts etc., often results in underwhelming responses...

THIRD FACET: DEPTH





Stuart Candy: @futuryst @sitlab; scandy@cmu.edu; https://futuryst.blogspot.com/

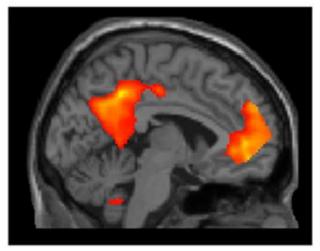
DEPTH MAKING USE OF PAST EXPERIENCES



We use our experiences from the past to navigate change

The ideal would be, perhaps, to experience actual futures before they happen – but usually we are barely even trying

PAST AND FUTURE EVENT ELABORATION





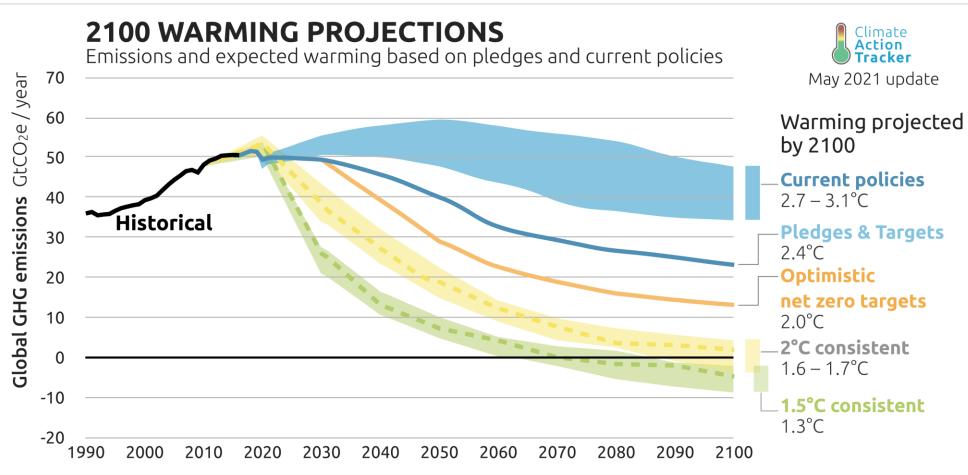
PAST EVENT > CONTROL

FUTURE EVENT > CONTROL

Stuart Candy: @futuryst @sitlab; scandy@cmu.edu; https://futuryst.blogspot.com/; https://pubmed.ncbi.nlm.nih.gov/17126370/

DEPTHAN EXAMPLE: IPCC





Source: https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_SPM.pdf; https://climateactiontracker.org/global/temperatures/

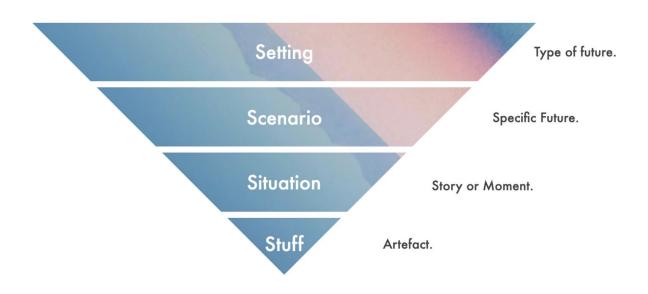
DEPTH

CIS INTERNATIONAL BUSINESS SCHOOL

THE EXPERIENTIAL FUTURES LADDER

- There is an "experiential gulf" between how we typically represent/narrate futures for serious purposes, and what real situations feel like on the ground
- How do we set up/scaffold our imaginations to think things we haven't experienced before?
- Experiential futures: the design of situations and stuff from the future to catalyze insight and change

The Experiential Futures Ladder



Stuart Candy: @futuryst @sitlab; scandy@cmu.edu; https://futuryst.blogspot.com/, https://www.researchgate.net/figure/The-Experiential-Futures-Ladder_fig1_311910011

DEPTH



TAKEAWAY

We must try to not just think, **but also feel, our way into these future** conditions if we are to grapple with them effectively!

CONCLUSION

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4TH D - DESIGN

Our images of the future should aim to be:

- <u>Different</u>: from the world we know and/or are accustomed to thinking about
- <u>Diverse</u>: aka different from each other, representative of a wide range of perspectives, and reflective of the breadth of actual possibilities
- <u>Deep</u>: meaning they probe beyond the obvious, have complexity and nuance, and ultimately affect us emotionally not just cognitively.
- Futures imagined with Difference, Diversity, & Depth, together enable a 4th D Design
 - Wiser choices between vividly and rigorously imagined alternatives are possible



CONCLUSION OUR FUTURE AND THE FUTURE OF BUSINESS





Not just successful organisation-level navigation of change, but our collective future as a species, depends on using our capacity to imagine worlds together, and act accordingly!

What kind of business is best equipped to meet a dangerous future?

A purposeful one. A resilient one. A foresightful one.



ADMINISTRATIVE DETAILS

SCHEDULE THURSDAYS, 08.45-12.00 – ROOM: SINGAPORE H.2.04



No	Date	Phase	Topic
1&2	02.09.2021	Preparation	Course Introduction, Overview & Getting to know the group; Group Formations, Team Work & Choosing of Topics
3&4	16.09.2021	Critique phase	Global Challenges/UN SDGs & a beyond VUCA world; Guided Group Work: Collecting critical issues & Mapping systems
5&6	30.09.2021 (tbd)	Critique phase / Visioning phase	Excursion: Express and explore your utopia through creative means
7&8	14.10.2021	Visioning phase	Imagining future realities (e.g., Future Game 2050); Future Research, Foresight, scenario development etc.
9&10	28.10.2021	Visioning phase / Implementation phase	Translating Utopia: Evaluation ("DNA") of utopia & strategic analysis ("retropolation"); How to make it happen: Backcasting Methodology & Exercise
11&12	18.11.2021	Implementation phase	Excursion: Prototyping your solution with Lego Serious Play (LSP)
13&14	25.11.2021	Presentations, debriefing, and feedback	Final Presentations & Handing in Progress- and Reflection Journal (Coursework), Feedback and Debriefing

SCHEDULING CONFLICT WE NEED TO RESCHEDULE THE EXCURSION!



Which would be a suitable date for you to make up for the session on September 30th?

- Monday, 27th September (flexible)
- Tuesday, 28th September (before 5pm)
- Thursday, 30th September (after 5pm)
- Monday, 4th October (after 4pm)
- Tuesday, 5th October (after 3pm)



CONTENTS, AIMS & COURSE WORK



Contents

- 1. Evaluating business sectors in regard to current global challenges and developing solutions
- 2. Becoming familiar with the field of scenario development and future studies

Aims

- 1. Developing scenarios of potential desirable futures, evaluate them and be able to use them in strategic decision making
- 2. Reflect on the joint learning experience and the creative and strategic solutions development process of the class
- 3. Fostering futures literacy and applying creativity techniques for brainstorming and ideation

Course Work (100%)

- 1. **Media output** taking the form of either video, podcast, or blogposts, to be presented on November 25th (70%) please choose one of the sectors on the following slide [group work]
- 2. Course work (i.e. **reflective journal,** max. 3,000 words) submission: 22-26th November, 2021 (latest by November 26th at 23:59) (**30%**) [individual work]



SECTORS THE FUTURE(S) OF...



- ...Food and Agriculture
- ...Mobility and Transportation
- ...Energy and Infrastructure
- ...Textile and Fashion
- ...Tourism and Travels
- ...Health and Pharmaceuticals



COURSE WORK



FIRST PART: MEDIA FORMAT & SHORT PRESENTATION [GROUP WORK]

- Choose your media format (*pick only one of the following*)
 - Video (8-10 minutes)
 - Podcast (25-30 minutes)
 - Blog (8-10 content elements, approx. length of 3,000 words per group member)
- Prepare your output and give us a short presentation (5 minutes)
 - what have you developed and why (why this topic, why this format, some details on your approach)?
 - Date: November 25th (our last session)



COURSE WORK SECOND PART: REFLECTIVE JOURNAL [INDIVIDUAL WORK]



- After each session, you will receive guiding questions which will compose your journal
 - Use CBS style guide (including the regular cover page, table of contents, in-text citations/reference list)
 - Please write 1-2 pages after each session, a total of max. 3000 words
 - Compile the different questions into one pdf
 - Upload it via Moodle (tbd)
 - Submission date: November 26th, 23:59 (latest)

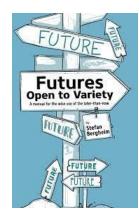


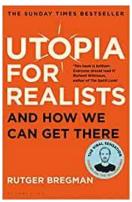
LITERATURE AND ADDITIONAL READINGS

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SELECTED LITERATURE

- Futures Open to Variety: A manual for the wise use of the laterthan-now (Bergheim & Zimmermann)
- Utopia for Realists: And How We Can Get There (Bregman)
- The Future: A Very Short Introduction (Gidley)
- Transforming the future: Anticipation in the 21st century (Miller)*
- The New Voices of Science Fiction (Rajaniemi & Weisman) (Additional Reading)
- The Ministry for the Future (Stanley) (Additional Reading)
- Utopia 2048 (Zeddies) (Additional Reading)*
- Was wäre, wenn...: 33 Szenarien, die unsere Welt neu denken (Koch) (Additional Reading)
- Future Room: Entdecken Sie die Zukunft Ihres Unternehmens (Gatterer) (Additional Reading)
- Handbuch für Zukunftsagenten: Methoden, Denkweisen und Philosophien der Trend- und Zukunftsforschung (Horx & Traub) (Additional Reading)

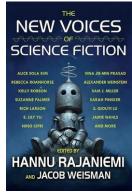




















^{*} Available as free pdf version online

FUTURE STUDIES SELECTED JOURNALS



- European Journal of Futures Research https://eujournalfuturesresearch.springeropen.com/
- Foresight https://www.emerald.com/insight/publication/issn/146 3-6689
- **Futures** https://www.sciencedirect.com/journal/futures/





TEAM FORMATION

FORMING GROUPS

INTERNATIONAL BUSINESS SCHOOL

PICK A CARD!



FORMING GROUPS FINAL GROUP SETTING

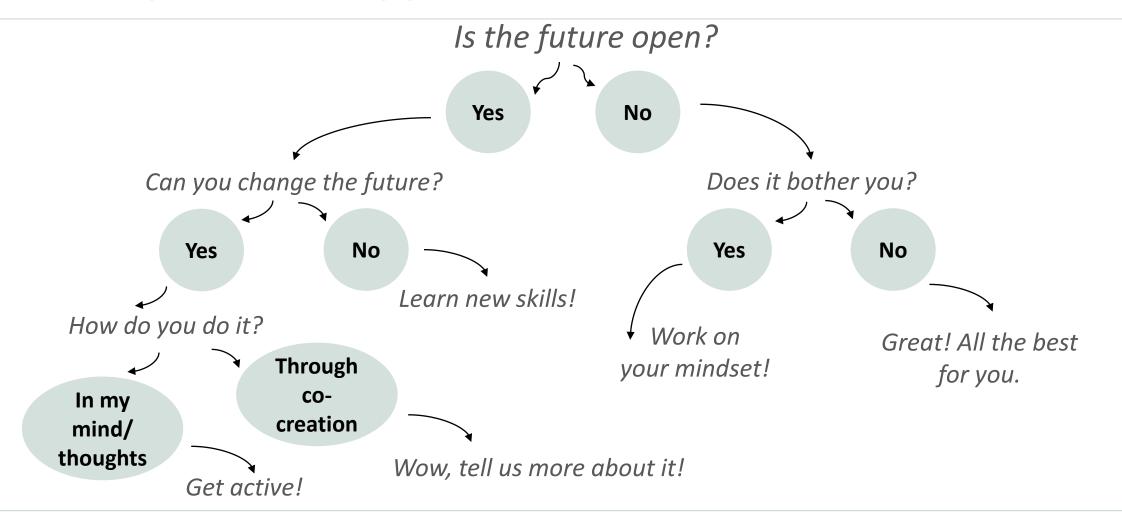


Group 1 (BLUE) Sector: tbd	Group 2 (GREEN) Sector: Tourism industry		Group 4 (YELLOW) Sector: Food industry
Beatriz Bloch	Constantin Krückels	Lisa Kipping	Julia Brucherseifer
Sven Jöbges	Liane Kirsch	Nika Renner	Lisa Mötzing
Tobias Rittich	Laura Kürten		Fiona Weigand

DO YOU SHAPE THE FUTURE?

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TEAM UP AND FIND OUT!



FUTURE AND PERSONALITY



PLEASE GO TO: https://www.16personalities.com/free-personality-test

Idealistic, organized,

insightful, dependable

compassionate, gentle.

Seek harmony and

cooperation, enjoy

Sensitive, creative,

idealistic, perceptive,

caring, loyal. Value inner

harmony and personal

growth, focus on dreams

and possibilities.

tellectual stimulation.

1. Are you outwardly or inwardly focused? If you:

- Could be described as talkative, outgoing
- · Like to be in a fast-paced environment
- · Tend to work out ideas with others, think out loud
- · Enjoy being the center of attention

then you prefer

Extraversion

 Could be described as reserved, private

- Prefer a slower pace with time for contemplation
- Tend to think things through inside your head
- Would rather observe than be the center of attention

then you prefer

Introversion

2. How do you prefer to take in information? If you:

- · Focus on the reality of how things are
- · Pay attention to concrete facts and details
- · Prefer ideas that have practical applications
- · Like to describe things in a specific, literal way

then you prefer

Sensing

- · Imagine the possibilities of how things could be
- Notice the big picture, see how everything connects
- Enjoy ideas and concepts for their own sake
- Like to describe things in a figurative, poetic way

then you prefer

Intuition

Responsible, sincere, analytical, reserved, realistic, systematic. Hardworking and rustworthy with sound practical judgment.

Action-oriented, logical

analytical, spontaneous

reserved, independent. Enjoy adventure, skilled

at understanding how

mechanical things work.

Outgoing, realistic, action-oriented, curious

versatile, spontaneous

Pragmatic problem

solvers and skillful

negotiators.

Efficient, outgoing,

analytical, systematic

dependable, realistic.

ike to run the show and

get things done in an

orderly fashion.

Warm, considerate.

gentle, responsible

pragmatic, thorough

Devoted caretakers who

enjoy being helpful to

nurturing, helpful, lexible, realistic, Seek to create a personal nvironment that is both beautiful and practical.

Playful, enthusiastic,

friendly, spontaneous,

tactful, flexible. Have

strong common sense.

enjoy helping people in

tangible ways.

Friendly, outgoing,

organized, practical, See

to be helpful and please

others, enjoy being

active and productive.

spontaneous, optimistic supportive, playful. Value inspiration, enjoy starting new projects, see potential in others.

idealistic, organized, diplomatic, responsible Skilled communicators who value connection with people.

Innovative, independent

strategic, logical, reserved, insightful.

Driven by their own

original ideas to achieve

improvements.

Intellectual, logical

precise, reserved,

flexible, imaginative.

Original thinkers who

enjoy speculation and

creative problem solving.

strategic, enterprising inquisitive, versatile Enjoy new ideas and challenges, value inspiration.

efficient, outgoing. ambitious, independe Effective organizers of people and long-range planners.

3. How do you prefer to make decisions? If you:

- Make decisions in an impersonal way, using logical reasoning
- Value justice, fairness
- Enjoy finding the flaws in an argument
- Could be described as reasonable, level-headed

then you prefer

Thinking

- Base your decisions on personal values and how your actions affect others
- Value harmony, forgiveness
- · Like to please others and point out the best in people
- Could be described as warm, empathetic

then you prefer

Feeling

4. How do you prefer to live your outer life? If you:

- Prefer to have matters settled
- Think rules and deadlines should be respected
- Prefer to have detailed, step-by-step instructions
- Make plans, want to know what you're getting into

then you prefer

Judging

- Prefer to leave your options
- See rules and deadlines as flexible
- Like to improvise and make things up as you go
- · Are spontaneous, enjoy surprises and new situations

then you prefer

Perceiving

agree with the result?

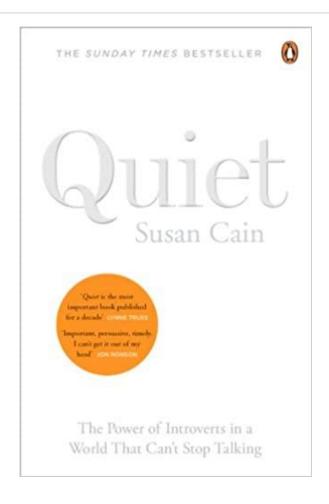
Do you

How does this relate to how you might view the future?

How might it influence working in a group?

FUTURE AND PERSONALITY INTROVERSION VS. EXTROVERSION



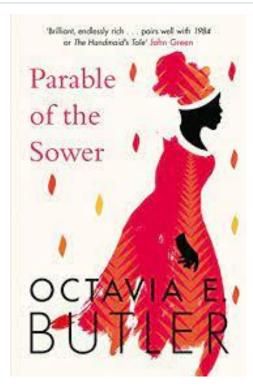


SESSION 1&2

■ The book "Quiet" by Susan Cain talks about the divide between being introverted vs. extroverted and about the value of both personality types — whereas in most debates we tend to foster extroversion more and usually consider this trait as the "ideal".

FORESIGHT AND CAPABILITIES ALL HUMANS CAN FOSTER FUTURES LITERACY





"The only way to prove to yourself that you have power is to use it." — *Octavia E. Butler* (*Parable of the Sower*)

All humans have the faculty of foresight. We all have the power of imagination as a catalytic resource.

HOMEWORK



PLEASE COMPLETE THE FOLLOWING TASKS UNTIL SEPTEMBER 16TH!

- 1) Meet with your team for a fun activity to get to know each other better. Define values for working together & write down team rules.
 - Pick an industry and communicate it via teams on Thursday,
 September 9th
- 2) Please read the following texts to prepare for the "critique phase"
 - *Utopia for Realists* Chapter 1: The Return of Utopia
 - The Future. A Very Short Introduction Chapter 6: Grand global futures challenges
- 3) For your journaling exercise, please reflect on the content of session 1&2 by sharing your thoughts on the following questions:
 - What might be done in your context to pay attention to more **different** futures?
 - Are they as **diverse** as they could be?
 - How might you explore or communicate the future(s) to which you are attending, in greater **depth**?



HOW TO DECIDE WHICH TOPIC TO PICK?



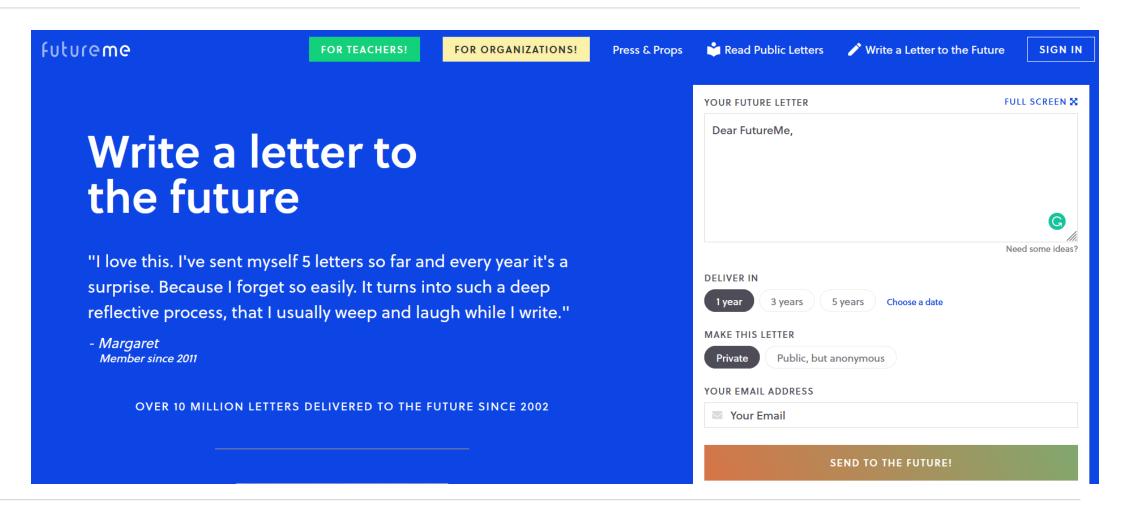


- Which personal touch/connection do you have in regard to the topic/sector? Share personal stories, motivation, and experience in your team!
- Start with a question to approach the topic and narrow it down (we will dive into strategies in the next session as well)
 - How does a livable city look like?
 - Which health system is possible?
 - How will social cohesion develop?

REFLECT: FUTURE ME



WRITE A LETTER TO YOUR FUTURE SELF: https://www.futureme.org/



UP NEXT: THE CRITIQUE PHASE I

Society is demanding

private) to serve a

social purpose!

companies (both public &

IF YOU ARE SUCCESSFUL, WHAT ARE YOU CIVING BACK
TO SOCIETY?

PHEW WAY
SECONOMIC SUCCESS SOCIAL

BUSINESS
OPPORTUNITIES CREATING SHARED VALUE

(ORPORATE ASSETS & EXPERTISE The Future of CSR: Trends, Implications & Challenges

WE WANT

SOCIAL Opportunities ex PURPOSE. Challenges in Impl Responsible Finan

WANT TO FIND A SOLUTION

TRANSLATE SOCIAL & EMPRON MENTAL BSUES INTO BUSINESS CONTEXT

I WANT TO CHANGE THE SYSTEM IN AN active WAY!