

Future Technologies & Trends – Assessing Drivers of Change

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Our Motivation to Understand Future Trends

Seeing trends before they start.

Broadening the scope by looking at social, technology-driven, economic, environmental, and political trends.

Shedding light into tomorrow's air transport system, also through possible scenarios.

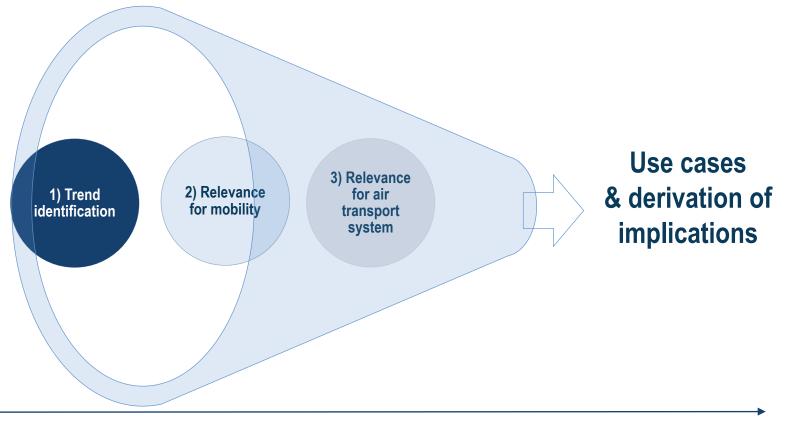
Raising awareness for and the discussion about trends.



The Trend Monitor Approach at Bauhaus Luftfahrt

What are the trends next to the obvious?

project work scientific publications expert assessments social media white papers conferences start-ups webinars workshops trends emerging in other sectors interviews surveys exchange with industry

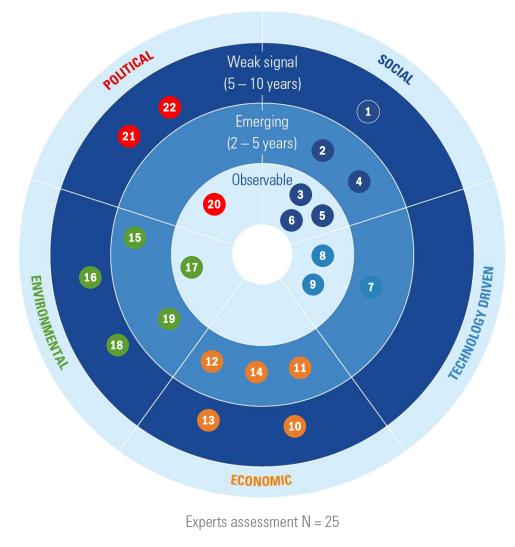


Uncertainty higher

Uncertainty lower



Trend Database 2022+



- Analogue society
 Emerging middle class
- 3. Fake news
- 4. Attention to inclusion
- Hyper-connectivity 5.
- 6. New work
- 7. Metaverse
- Data is the new oil
- 9. Internet of Things (IoT)
- **10.** Aviation Non-Fungible Token (NFT)
- 11. Circular economy
- 12. Industry 5.0
- 13. New forms of tourism
- 14. Stagflation

- 15. Green hydrogen
- 16. Neo-ecology17. Sustainable Aviation Fuels (SAF)
- 18. Bio-diversity
- 19. Climate change mitigation
- 20. Changing power dynamics of world countries
- 21. Environmental justice
- 22. Slobalisation



How Trends Shape the Future of Air Travel

Passenger Travel



Awareness for more sustainable travel

Aviation System



Seamless & integrated D2D air travel chains



New generation of passengers



Personalised offers & a menu of travel options



under

Aareement No 891166

Gran



Differentiated journeys and new forms of tourism



Social acceptance as essential part of technology strategies



Value-adding use of travel time



Digitalisation, leveraging personal data, & privacy protection



Bauhaus Luftfahrt Trend Report 2022

download! Ĩ SOCIAL **TECHNOLOGY DRIVEN** 1. Analogue society - offline and low-tech living 7. Metaverse - digital parallel existing world 2. Emerging middle class - emerging middle class in some parts of the world 8. Data is the new oil - increasing the value of (personal) data and digital footprint 3. Fake news - distribution of misleadi Our Toolbox: Transforming Uncertainty into Understanding 4. Attention to inclusion - growing im 5. Hyper-connectivity - always online 6. New work - work and lifestyle change Qualitative / Trend Identification Quantitative / Trend Confirmation Outcome Detection of Understanding Hypotheses Ranking of trends Scenario Data analytics Detection of Accept or reject trends in more & cross-impact statistical novel trends development development 8 hypotheses (e.a hidden 10. Aviation Non-Fungible Token (NF analysis denth 11. Circular economy - sharing and re Method Bauhaus Luftfahrt Industry 5.0 – finding the balance I Systematic literature ++ ++ + e Aviation Think Tai review 13. New forms of tourism - space, vir Expert interviews +++ ++ +++ 14. Stagflation - increasing recession Workshops ++ ++ Delphi technique ++ ++ 20. Changing power dynamics of wo Surveys 44 21. Environmental justice - a debate Statistics 22. Slobalisation - slowing down of gl Machine learning (ML), supervised and unsupervised = possible = solid method very suitable method I 6 I @ Bauhaus Luftfahrt e. V. I 2022 I BHL Trend Report **BHL TREND REPORT 2022** Towards Sustainable Air Travel: Exploring the Passenger





Taufkirchen, Germany

Overview of Our Trend Database 2022+

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