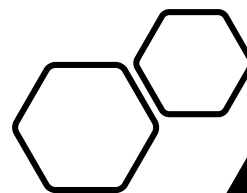


W h i c h f a c t s d o e s
s o c i e t y a c t u a l l y
n e e d ?

Budapest
22. January 2020
Walter J.
Radermacher



The strategy
towards 2030

Research@
Innovation

Mariana Mazzucato



<https://marianamazzucato.com/>

Walter J. Radermacher

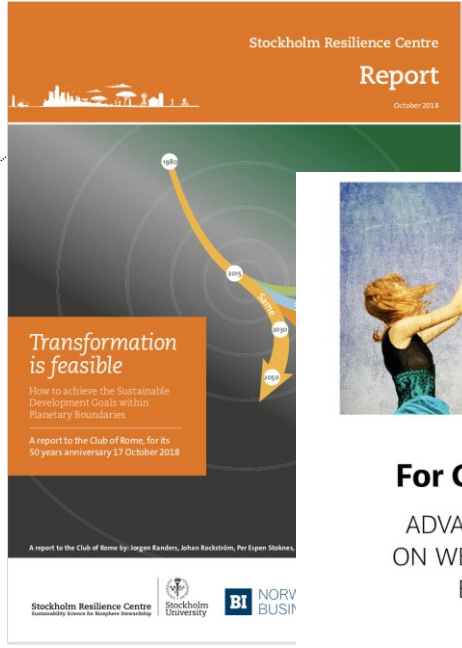


https://ec.europa.eu/info/sites/info/files/mazzucato_report_2018.pdf

World Economic Forum asks all Davos participants to set a net-zero climate target



<https://www.weforum.org/agenda/2020/01/davos-net-zero-emissions-target-ceos-climate/>



https://www.stockholmresilience.org/download/18_51d83659166367a9a16353/1539675518425/Report_Achieving%20the%20Sustainable%20Development%20Goals_WEB.pdf



For Good Measure
 ADVANCING RESEARCH
 ON WELL-BEING METRICS
 BEYOND GDP
 Edited by Joseph E. STIGLITZ, Jean-Paul
 and Martine DURAND

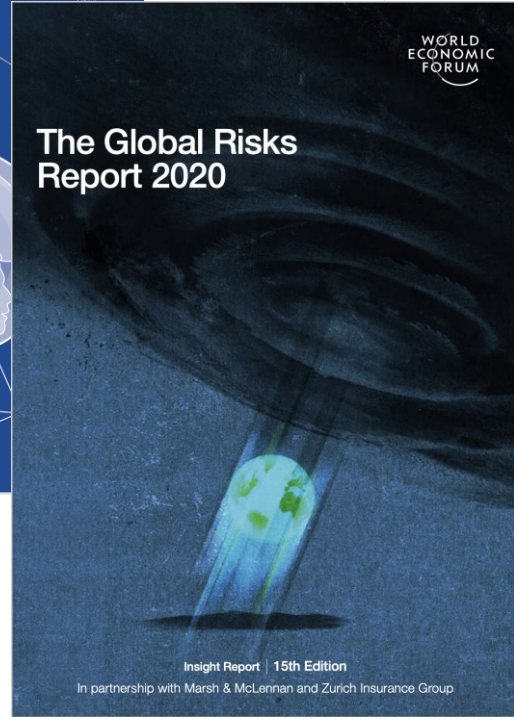


Sustainable Equality

WELL-BEING FOR EVERYONE
 IN A SUSTAINABLE EUROPE



Work for a brighter future



The Global Risks Report 2020

Insight Report | 15th Edition
 In partnership with Marsh & McLennan and Zurich Insurance Group

https://read.oecd-ilibrary.org/economics/for-good-measure_9789264307278-en#

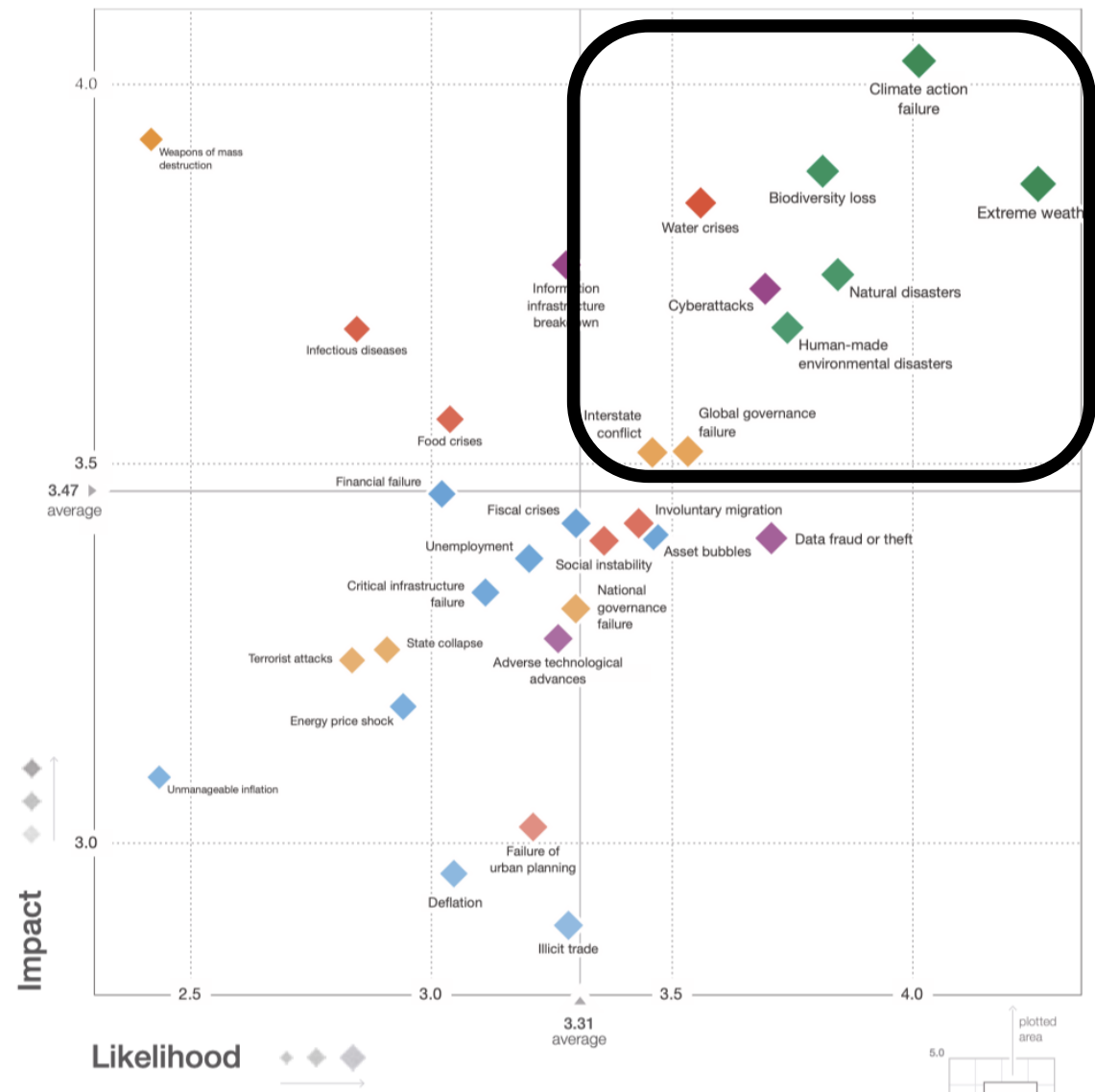
https://www.progressivesociety.eu/sites/default/files/2018-12/S%26D_ProgressiveSociety-SustainableEquality_BROCHURE_V18_spreadsWEBSITE.pdf

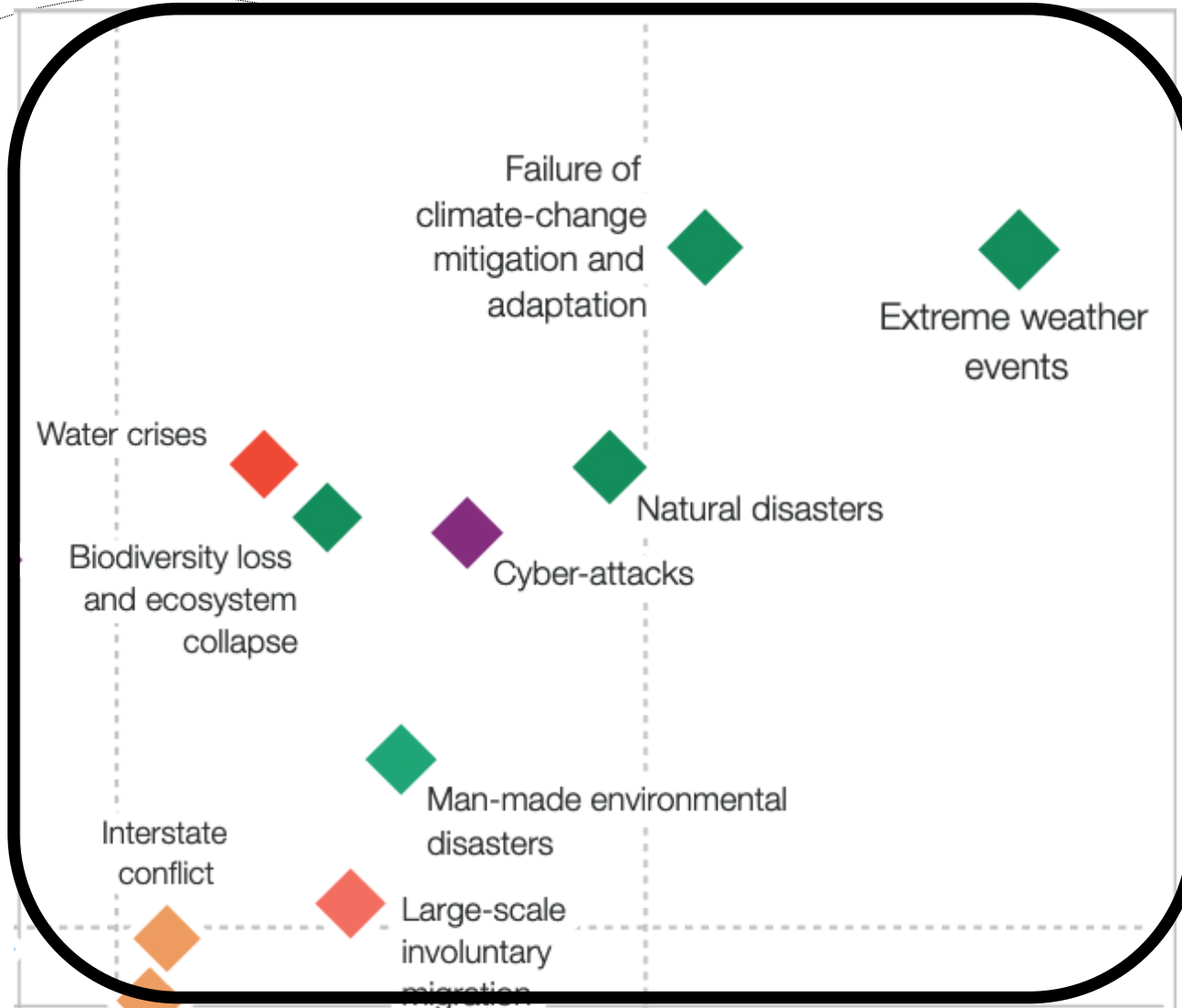
https://www.ilo.org/wcmsp5/groups/public/---dgreports/---cabinet/documents/publication/wcms_662410.pdf

<https://www.weforum.org/global-risks/reports>

Figure II: The Global Risks Landscape 2020

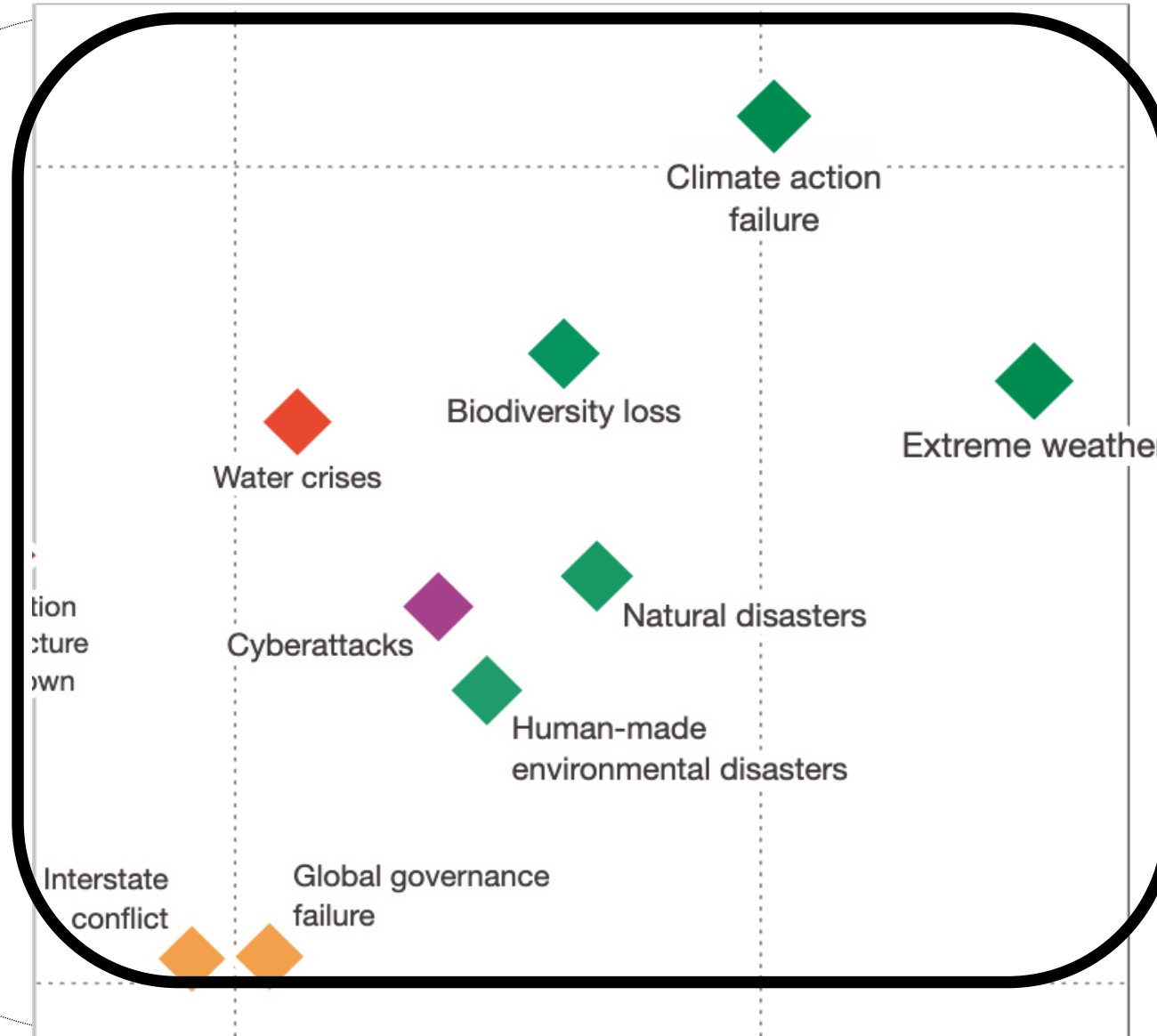
http://www3.weforum.org/docs/WEF_Global_Risk_Report_2020.pdf





2019

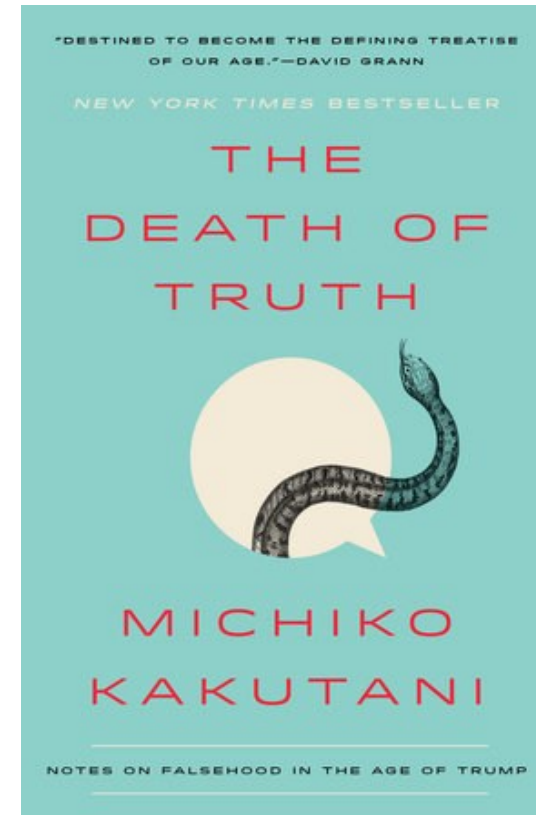
3



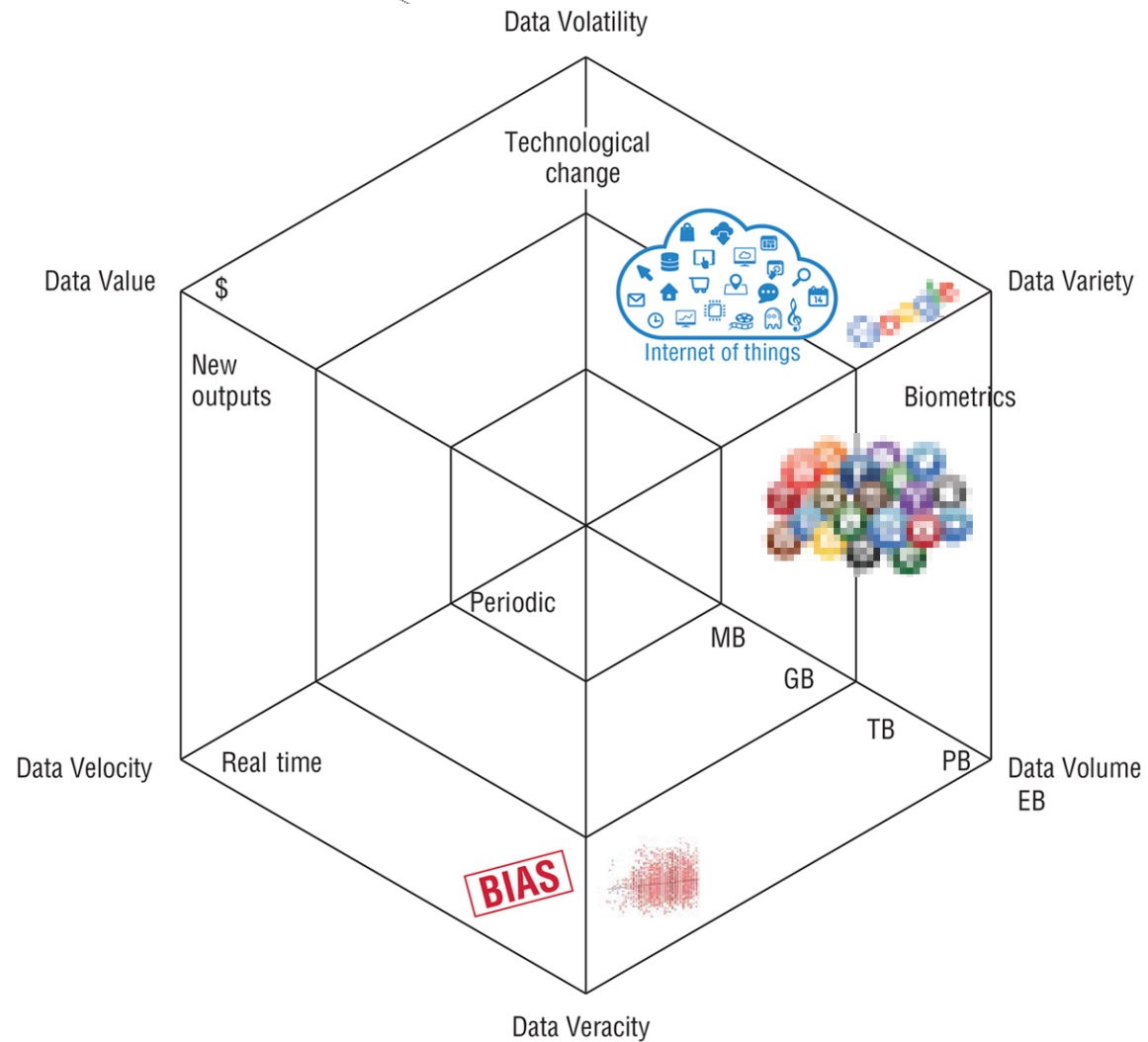
2020

Data Goldrush & Death of Truth

The Era of Digitisation and Globalisation



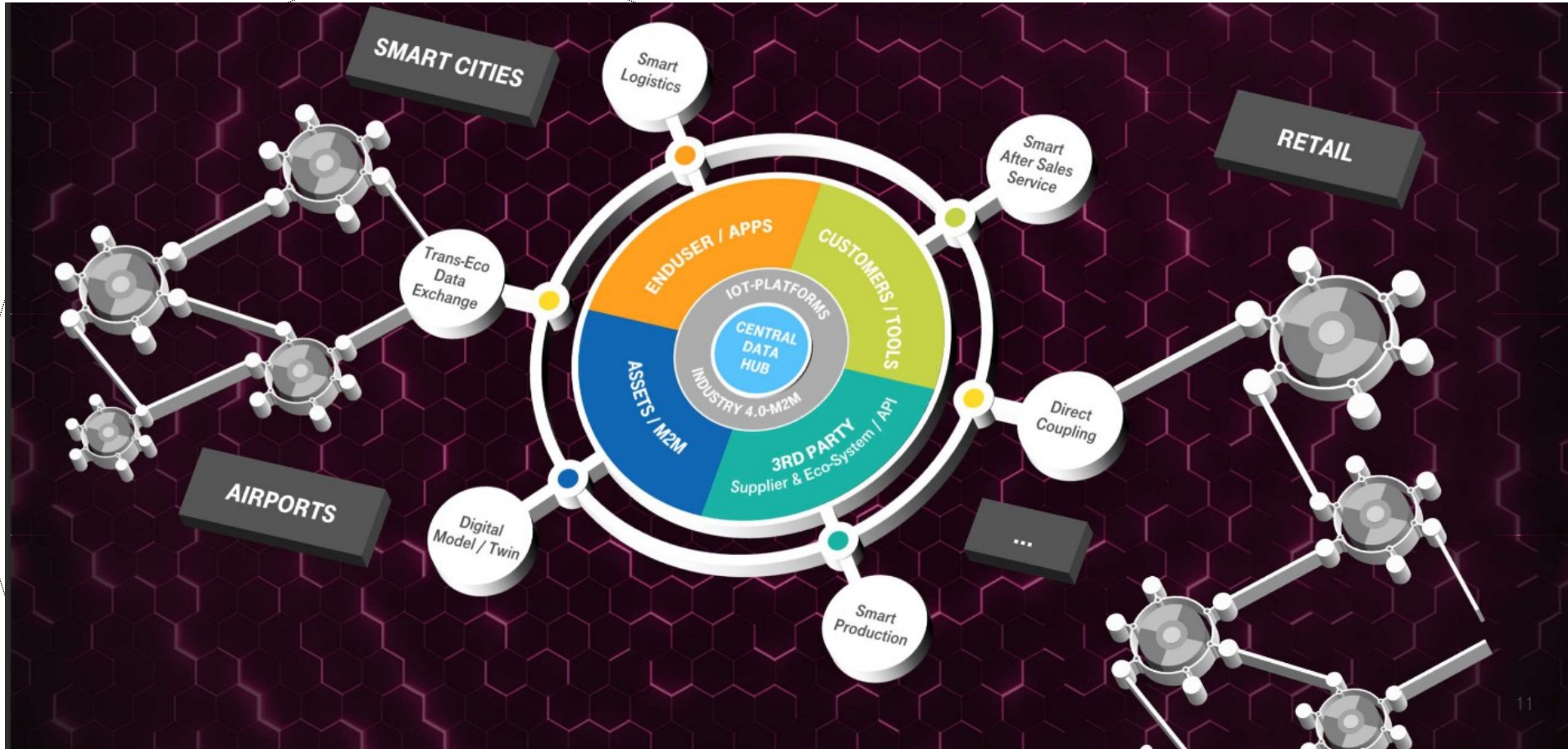
The 6V's of big data for official statistics



3 Σ

Internet of Things IoT

3 Σ



https://www.destatis.de/DE/Methoden/Kolloquien/2018/05_Borchers_Praesentation.pdf;jsessionid=DA6B36AEB51396088275AD1C45C95F8.InternetLive2?_blob=publicationFile

FACTS ARE
CONFUSING ME



The world we live in

Data revolution: *"What steam was to the 19th century, and oil has been to the 20th, data is to the 21st"* (<http://www.rss.org.uk/Images/PDF/influencing-change/rss-data-manifesto-2014.pdf>)

Data Society towards an IoT Society

Evidence based decision making: *"If you can't measure it, you can't manage it"*

(<https://blog.deming.org/2015/08/myth-if-you-cant-measure-it-you-cant-manage-it/>)

Audit Society towards an AI Society

Post-truth-politics: *"The 5% Unemployment Figure Is One Of The Biggest Hoaxes In Modern Politics"* (<https://www.youtube.com/watch?v=QMmk3oQ0Qil>)

Twitter Society

Globalisation of economies and crises: *"Planet at risk of heading towards 'Hothouse Earth' state"*

(<http://www.stockholmresilience.org/research/research-news/2018-08-06-planet-at-risk-of-heading-towards-hothouse-earth-state.html>)

Global Risk Society

Data4Policy

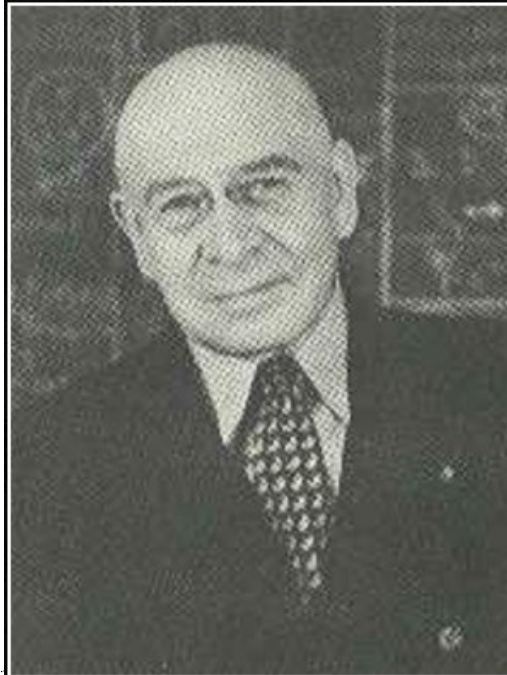
Data are given - Facts are
produced



The best material model of a cat is another, or preferably the same, cat.

— *Norbert Wiener* —

AZ QUOTES



The map is not the territory, the word is not the thing it describes. Whenever the map is confused with the territory, a 'semantic disturbance' is set up in the organism. The disturbance continues until the limitation of the map is recognized.

— *Alfred Korzybski* —

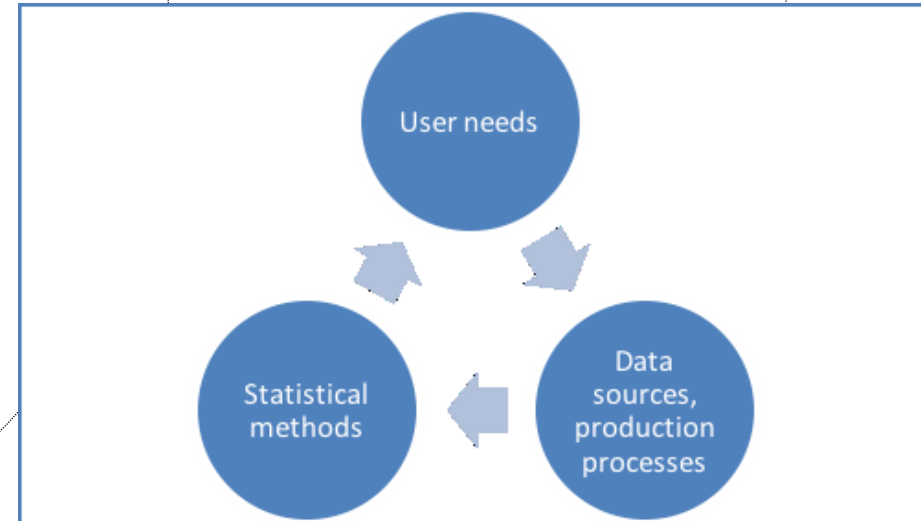
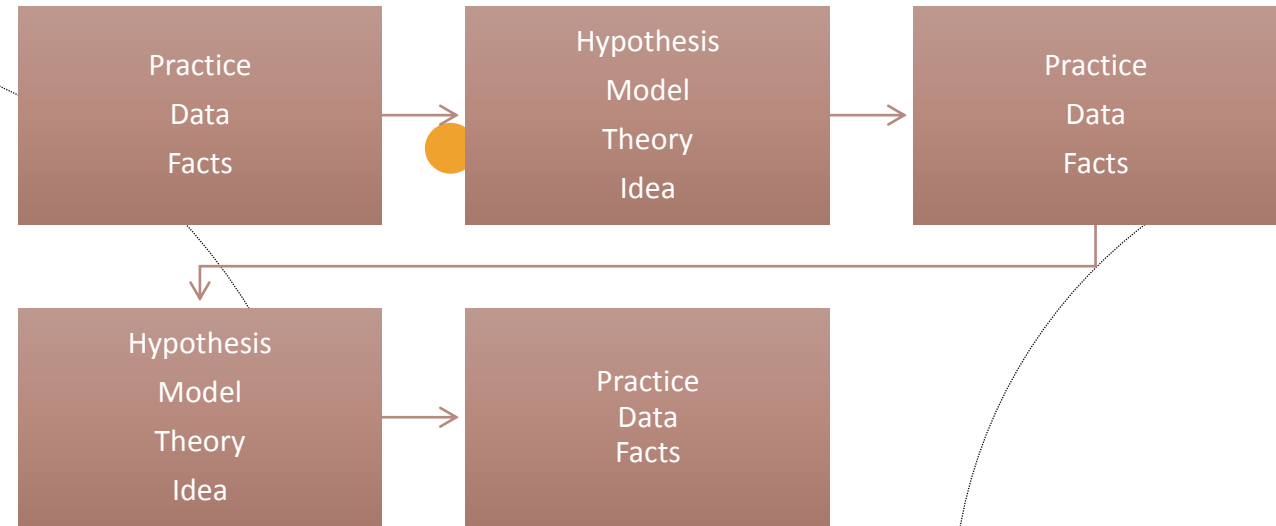
AZ QUOTES

How do we know what we know?

Epistemological position	Perspective
Naïve realism	Reality is an objective phenomenon that exists and can be measured independently of social and cultural processes.
Critical realism	Reality is an objective phenomenon, the measurement of which is mediated through social and cultural processes and can never be known in isolation from these processes
Relativism	Nothing is a reality in itself – what we understand to be a ‘reality’ is the product of historically, socially and culturally contingent ‘ways of seeing’

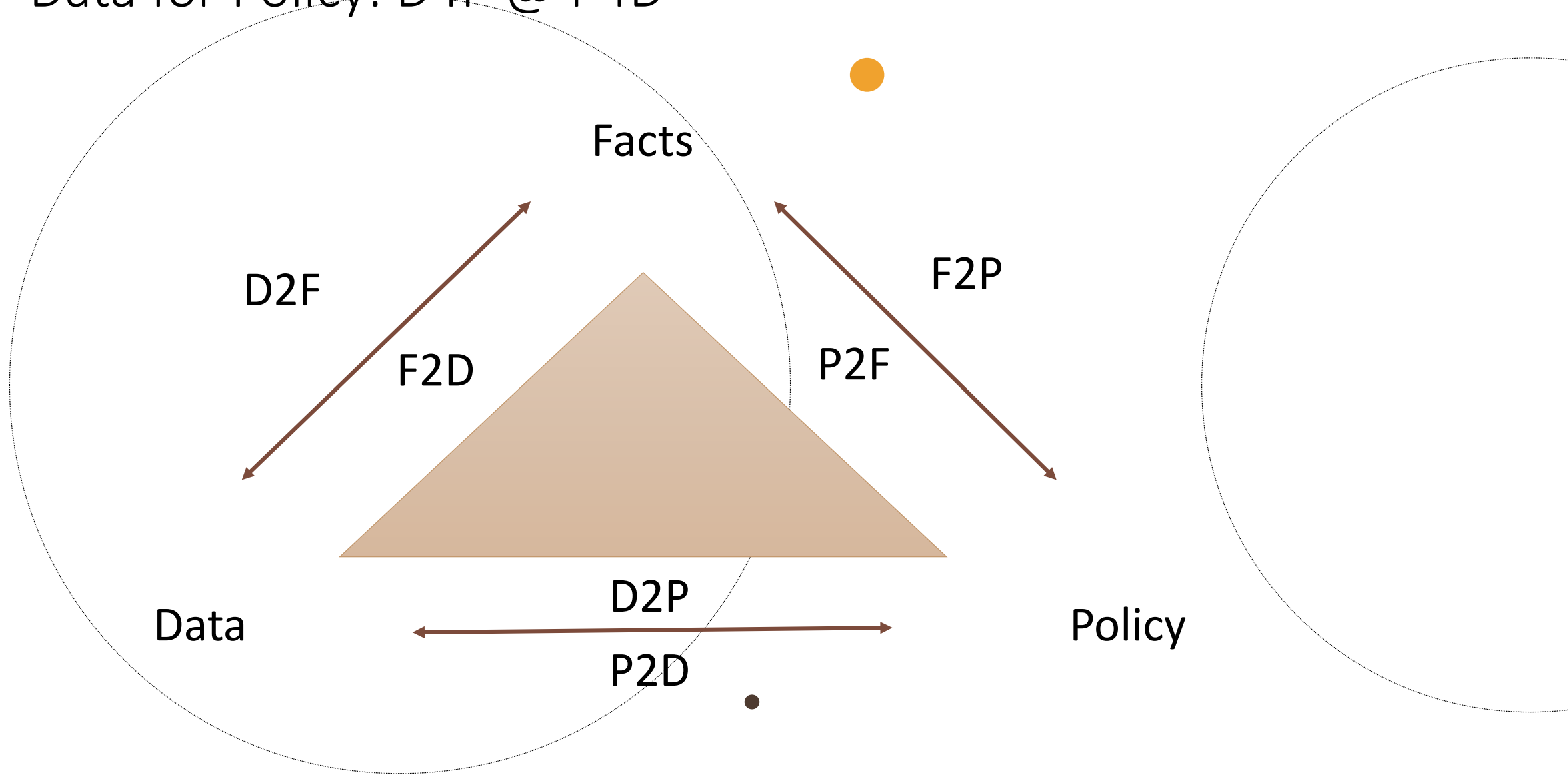
Σ
3

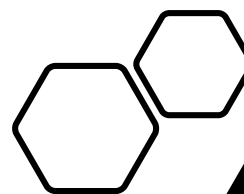
Statistical learning & iteration btw deduction and induction



Data for Policy: D4P @ P4D

3 Σ





Design,
production,
communication

Verified facts
High quality



INFORMATION QUALITY SCALE

Zone 1

True statement

Verified facts

Facts??
Verification??
???

ZONE 2

Distorted statements

Framing, acute angles, omission, "selected facts"

Unsubstantiated statements

Rumors (maybe true, maybe false)

ZONE 3

False statements

False rendering of facts, in contradiction to these lies

Bullshit

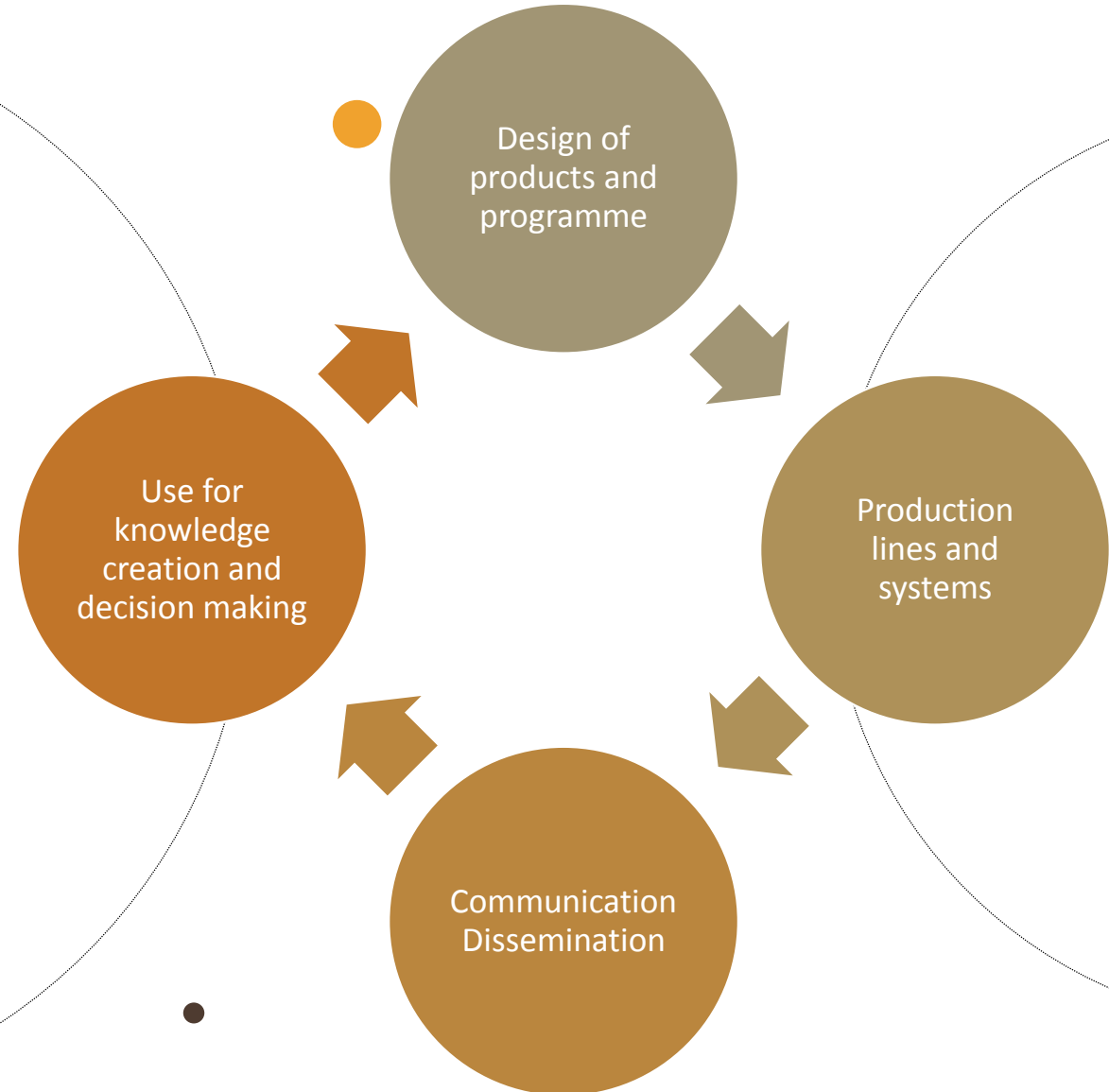
False rendering of one's own motives and goals, misrepresentation, faking, dissolution of the separation between true and false

Fake News

Fake news, false reproduction of motifs and goals with simulation of journalism and thus truthfulness

Hendricks, Vincent F.; Vestergaard, Mads, 2018, "Post faktisch", München

Factory Statistics: main processes

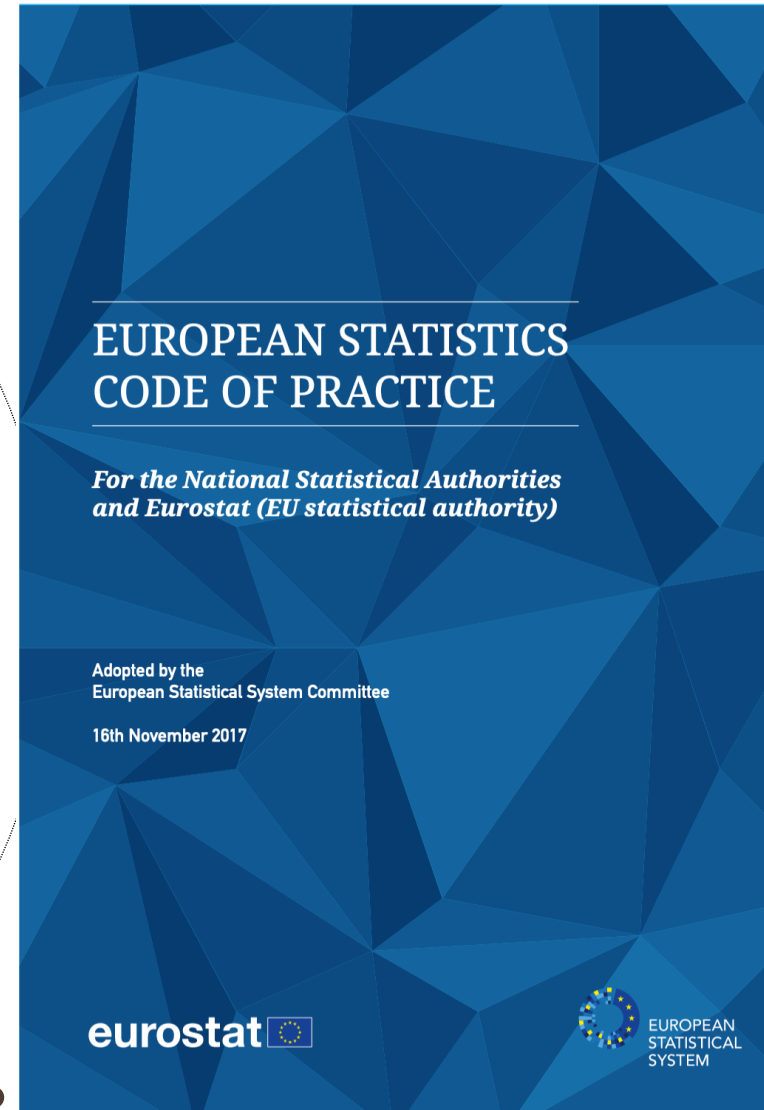


(Total) Quality Management

EFQM Modell 2019



<https://www.efqm.org/index.php/efqm-model/>



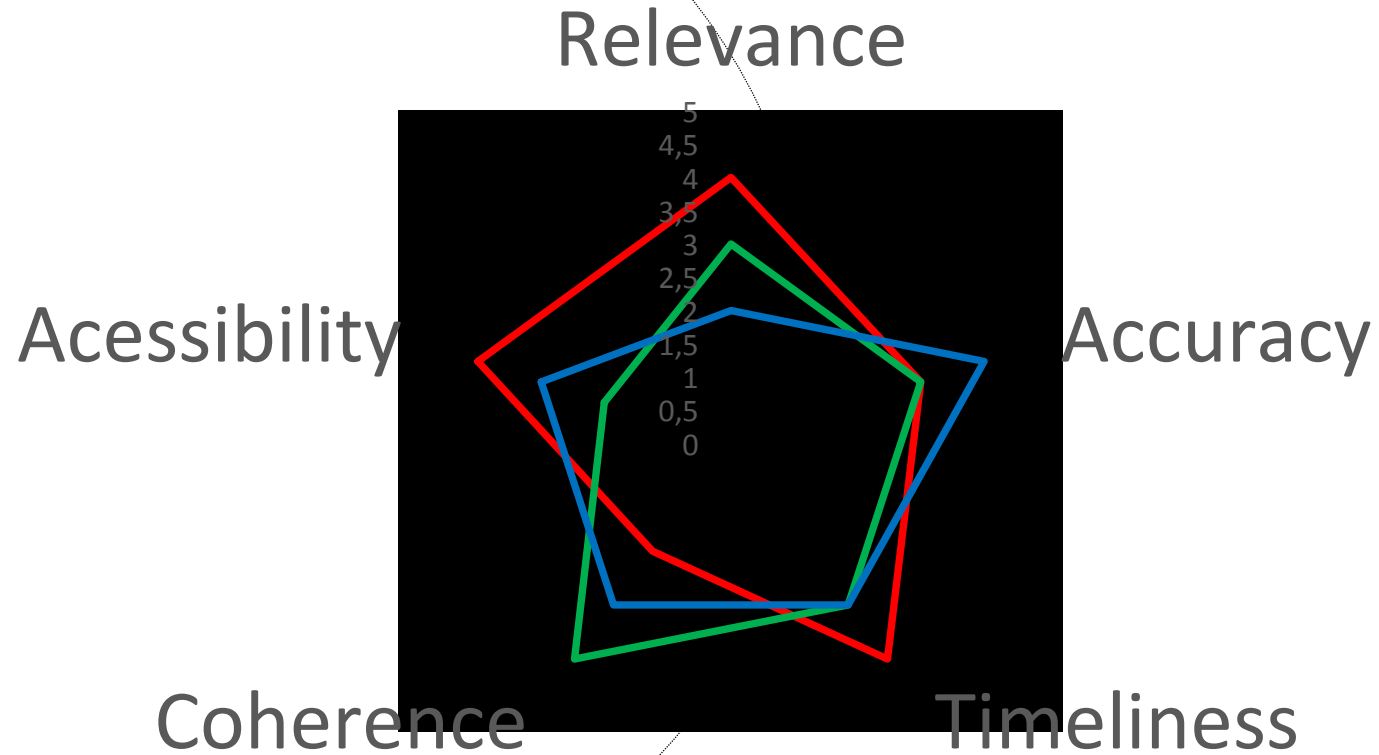
<https://ec.europa.eu/eurostat/documents/4031688/8971242/KS-02-18-142-EN-N.pdf/e7f85f07-91db-4312-8118-f729c75878c7>

Verification: Code of Practice

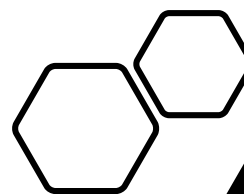
Institutional environment	Statistical processes	Statistical output
<ul style="list-style-type: none">1. Professional independence1bis. Coordination and cooperation1. Mandate for data collection2. Adequacy of resources3. Commitment to quality4. Statistical confidentiality5. Impartiality and objectivity	<ul style="list-style-type: none">7. Sound methodology8. Appropriate statistical procedures9. Non-excessive burden on respondents10. Cost-effectiveness	<ul style="list-style-type: none">11. Relevance12. Accuracy and reliability13. Timeliness and punctuality14. Coherence and comparability15. Accessibility and clarity

Quality profiles of statistical products

— Indicators — Accounts — Basic statistics — Maximum

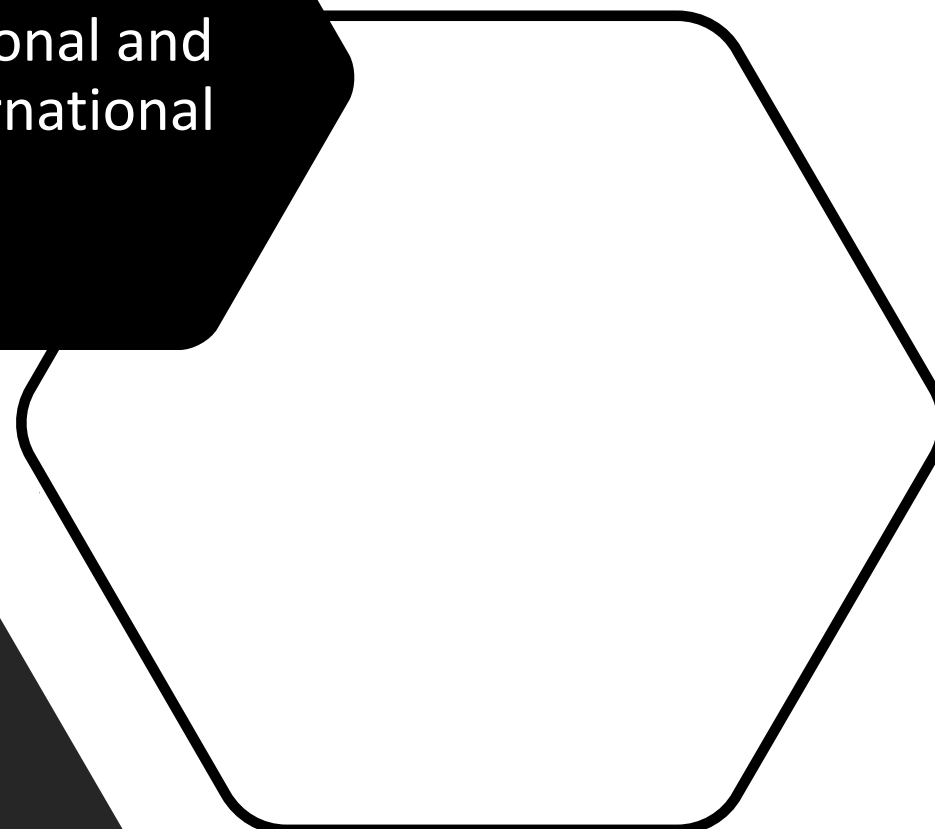


3 Σ



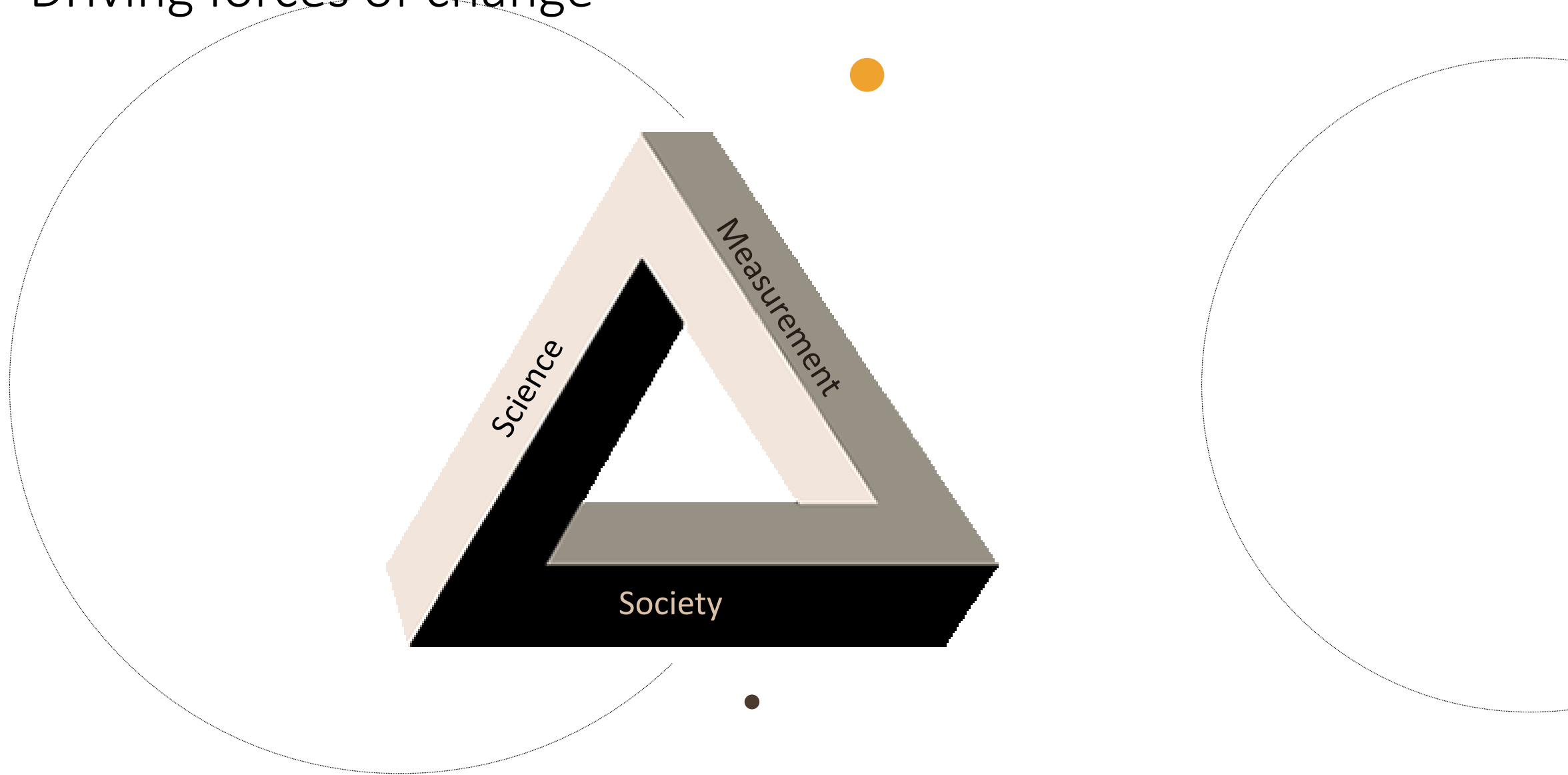
National and
international

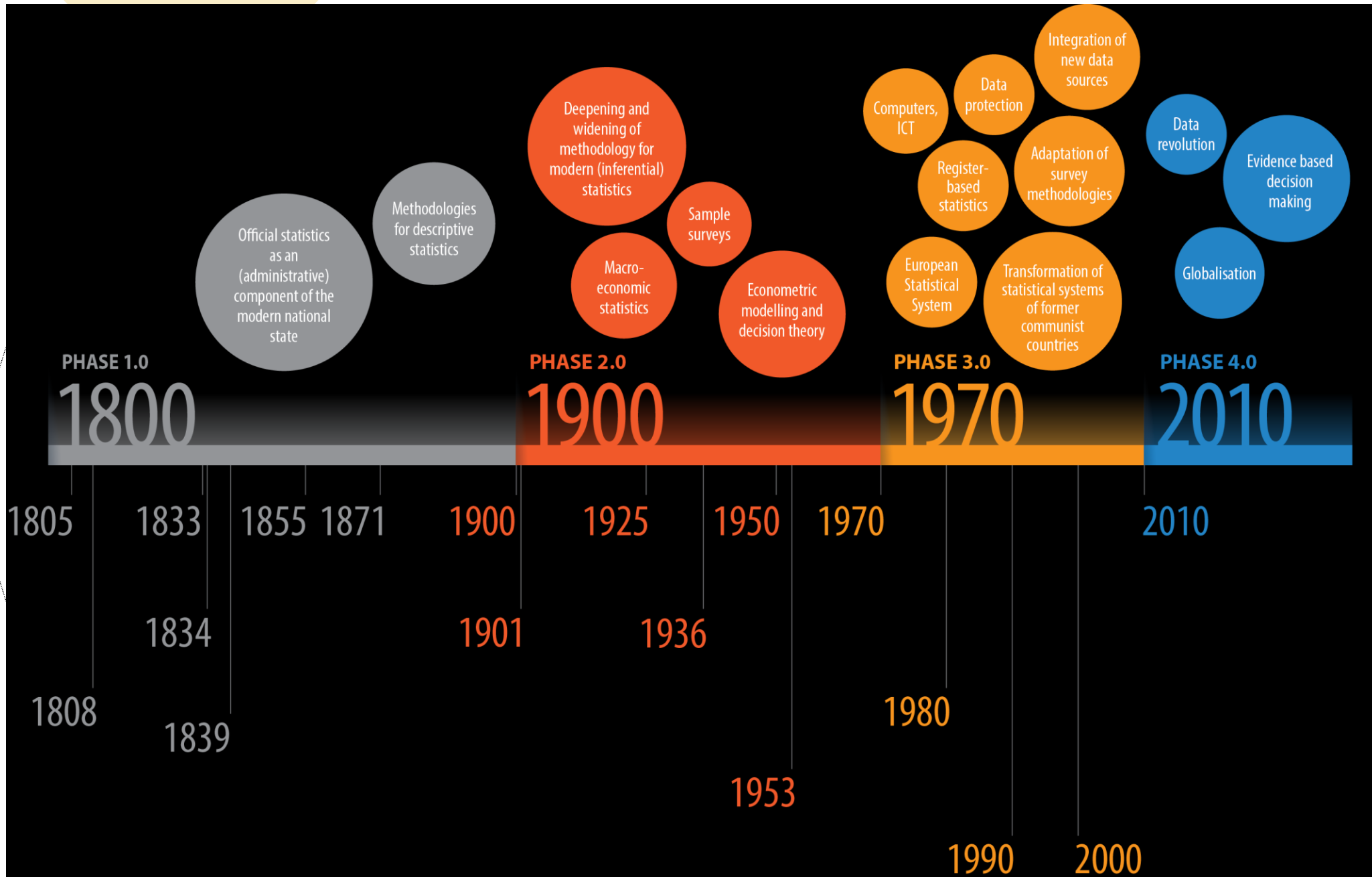
Official statistics
=
public
administration



Driving forces of change

3 Σ

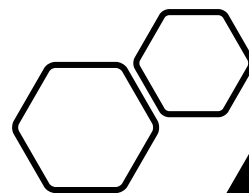




Principles of good governance

- Behaving with integrity, demonstrating strong commitment to ethical values, and respecting the rule of law
 - accountable not only for how much they spend, but also for how they use the resources
 - accountable for outputs, both positive and negative, and for the outcomes
 - accountable to legislative bodies
 - demonstrate the appropriateness of their actions, adhere to ethical values and respect the rule of law
- Ensuring openness and comprehensive stakeholder engagement
 - established and running for the public good
 - governing bodies ensure openness in their activities
 - using clear, trusted channels of communication and consultation
 - engaging effectively with all groups of stakeholders, such as
 - individual citizens
 - service users
 - institutional stakeholders

IFAC. 2014. *INTERNATIONAL FRAMEWORK: GOOD GOVERNANCE IN THE PUBLIC SECTOR - executive summary* (The International Federation of Accountants (IFAC) and the Chartered Institute of Public Finance and Accountancy (CIPFA): London).



New
opportunities
and challenges

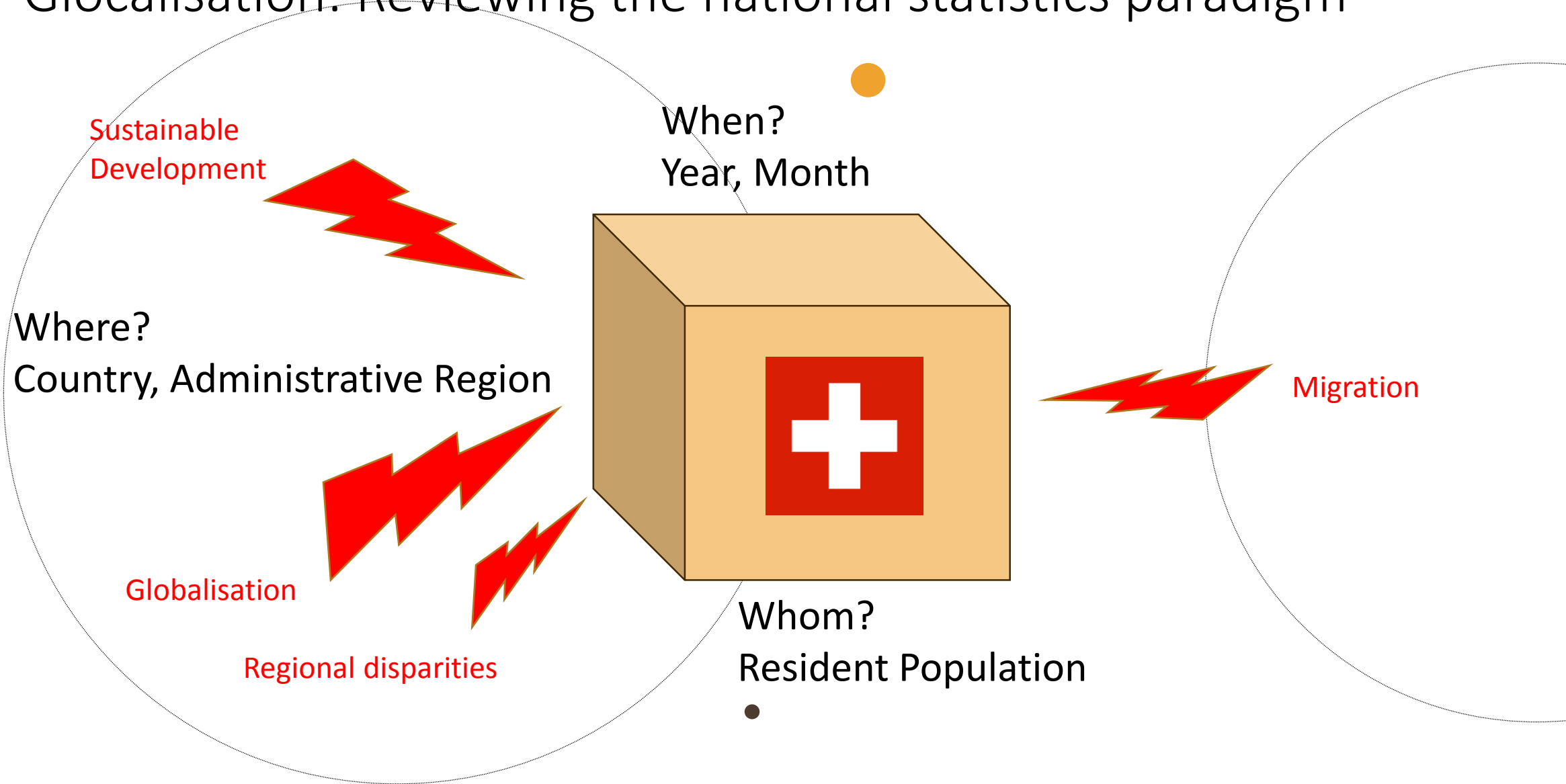
Digitisation
@
globalisation

Guiding principles of Official Statistics 4.0

- **Statistics is key for people empowerment:** Statisticians should be aware of data's power to provide information and, hence, knowledge.
- **Open data is fundamental for open societies:** Statisticians should ensure open and transparent access to data and metadata and monitor their actual use for information and knowledge.
- **'Datacy' is a key enabler for citizens:** Statisticians should promote data literacy in society at large, and regularly monitor the levels of understanding.
- **The future is (trusted) smart statistics:** Statisticians should continue to invest in methods, algorithms and a business architecture that enhance the quality of data for statistical services tailored to users' needs.
- **Users participate in the design, production and communication of statistics:** Statisticians should foster a greater involvement of civil society in all stages and processes of statistical production.
- **More influence means more responsibilities:** It is the duty of statisticians to explore the link between statistics, science, and society, and to lead intellectual reflections on the possible risk of over-reliance on data-centrism

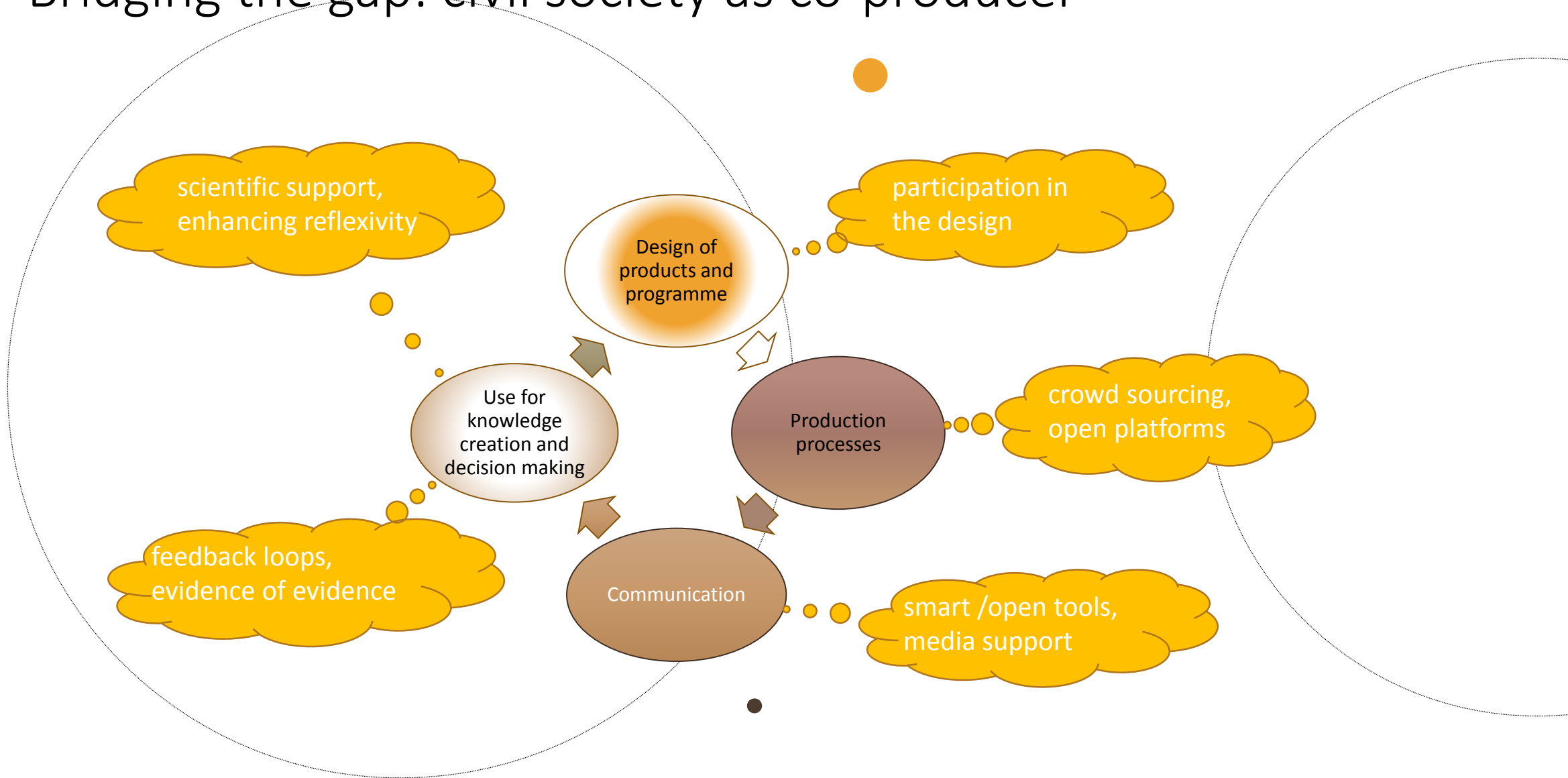
Glocalisation: Reviewing the national statistics paradigm

3 Σ



Bridging the gap: civil society as co-producer

3 Σ



Closing the scientific gap

Teaching statistics



Doing Statistics



- Lack of scientific research, suitable textbooks and qualified training courses for official statistics
- There are many sciences contributing to research on processes of quantification and the impact of quantification within social contexts
 - A scientifically founded, conceptual operationalisation of statistical processes (in data collection, national accounts, indicators) requires more than the knowledge of specific statistical methods, informatics or data sciences
 - Other disciplines, such as sociology, historical, or legal disciplines to be taken on board

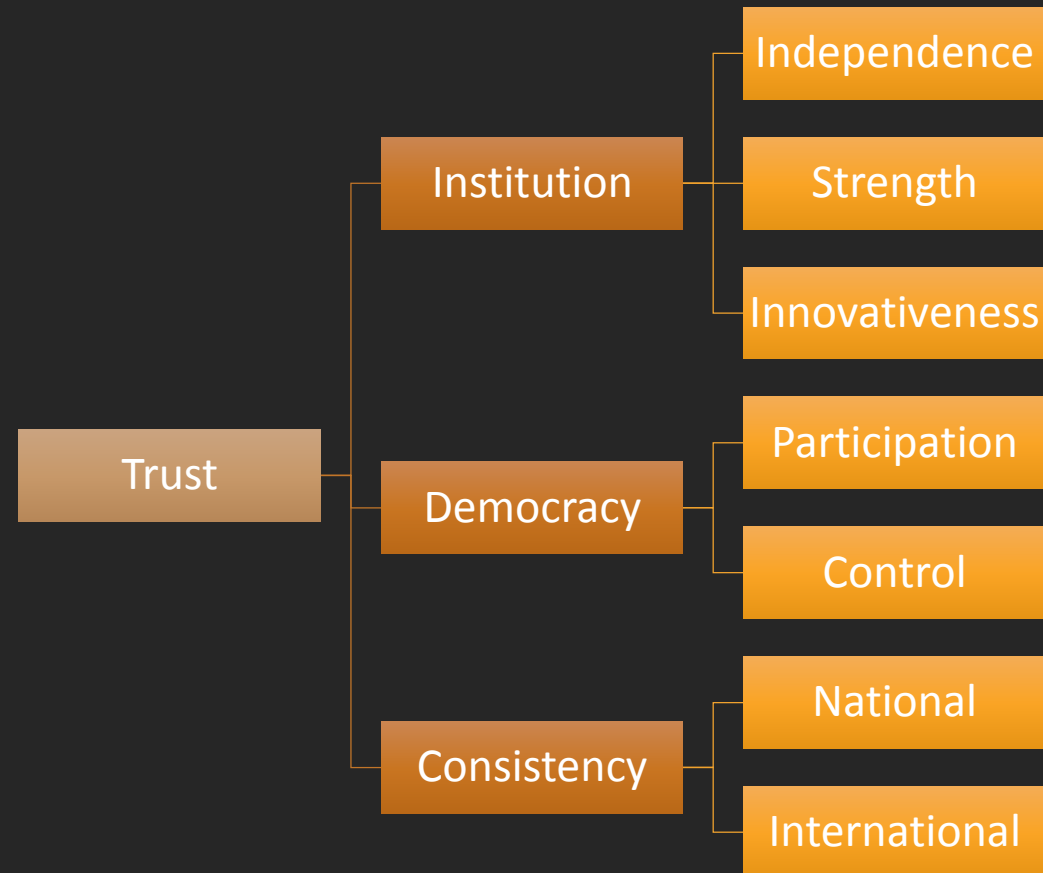
https://pbs.twimg.com/media/EH8hQNMWwAE0_Xo?format=jpg&name=small



Policy4Data

Statistical governance in the
new era

Policy relevance without being politically driven!



2019 WORLD PRESS FREEDOM INDEX

MAP

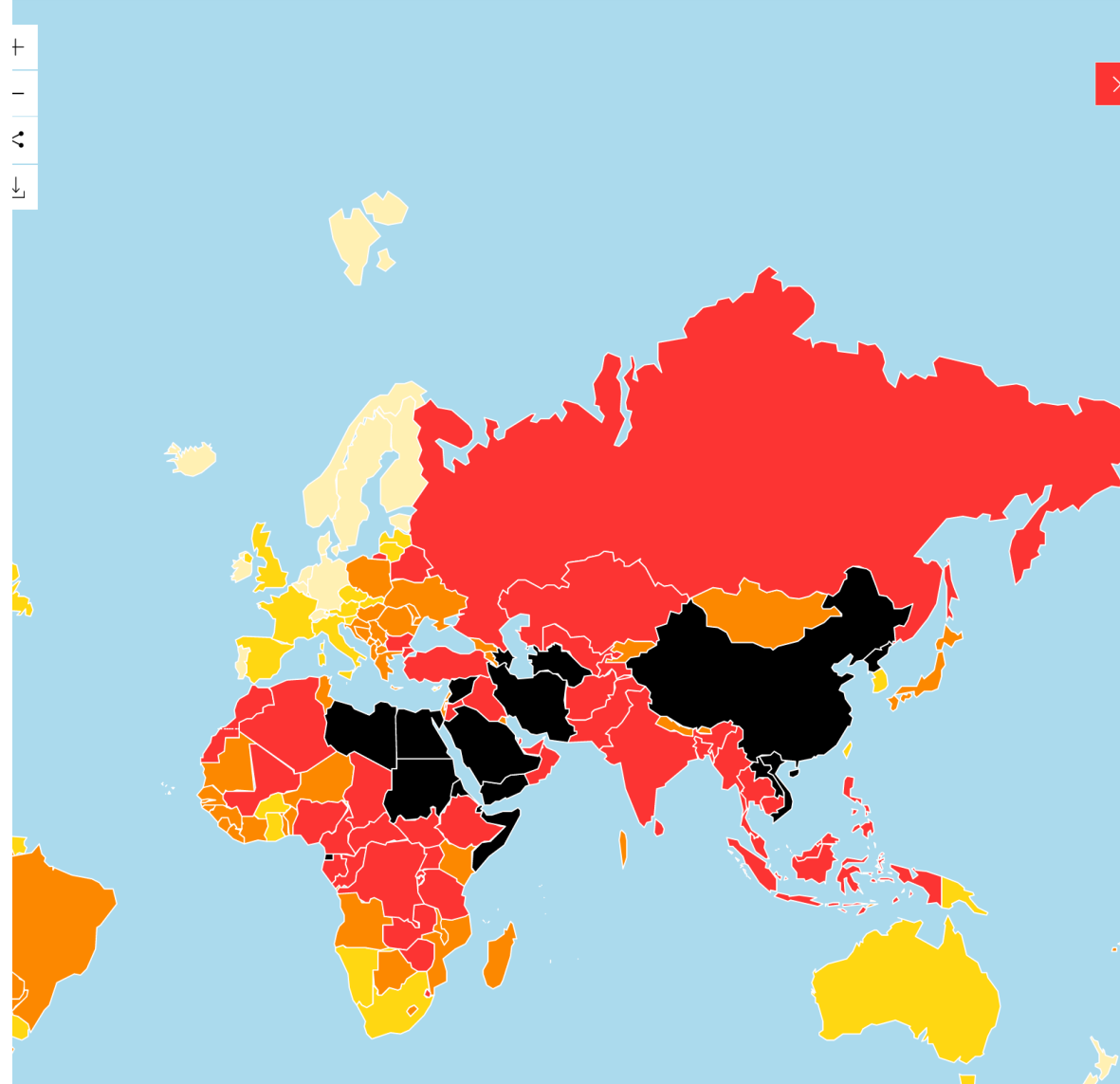
PRESENTATION

INDEX DETAILS

ANALYSES

METHODOLOGY

ARCHIVES



Search

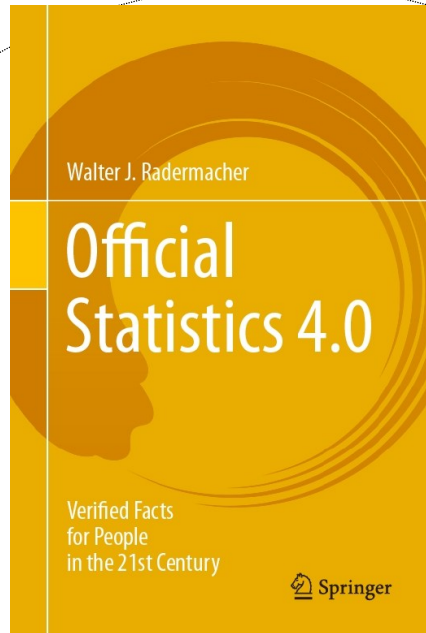
1	Norway	7.82
2	Finland	7.90
3	Sweden	8.31
4	Netherlands	8.63
5	Denmark	9.87
6	Switzerland	10.52
7	New Zealand	10.75
8	Jamaica	11.13
9	Belgium	12.07
10	Costa Rica	12.24
11	Estonia	12.27
12	Portugal	12.63
13	Germany	14.60
14	Iceland	14.71
15	Ireland	15
16	Austria	15.33
17	Luxembourg	15.66

A World
Statistical
Independence
Index?

<https://rsf.org/en/ranking>

THANK YOU

Σ
3



Walter J. Radermacher
+49 15111782920
wjr@outlook.de

Official Statistics 4.0
Verified Facts for People in the 21st Century
<https://www.springer.com/gp/book/9783030314910>

Governing-by-the-numbers / Statistical Governance
Reflections on the future of official statistics in a digital and globalised society
SJIAOS, Dec 2019
<https://www.iaos-isi.org/index.php/journal>

