

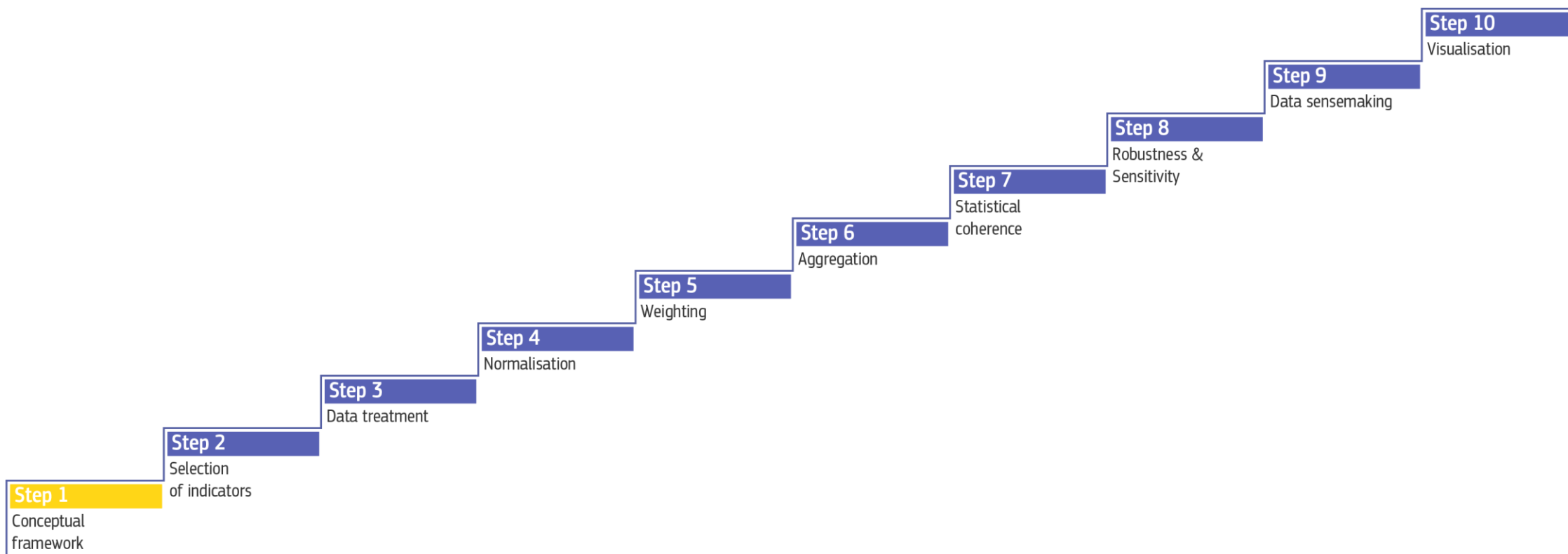
Step 1

Conceptual framework

19th JRC Annual training on Composite Indicators and Scoreboard

Laura Di Bella

10 STEPS to build a Composite Indicator

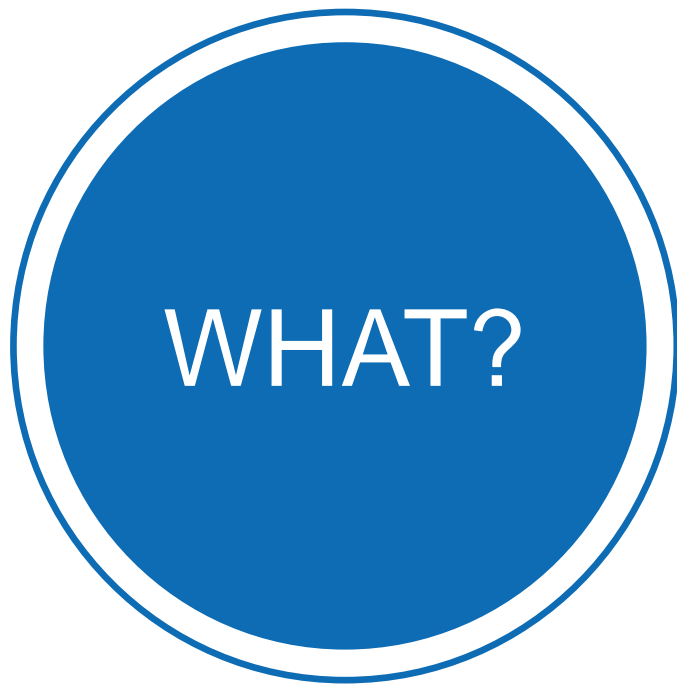


The answer to the ultimate question of...

- Life
- Universe
- Everything

42

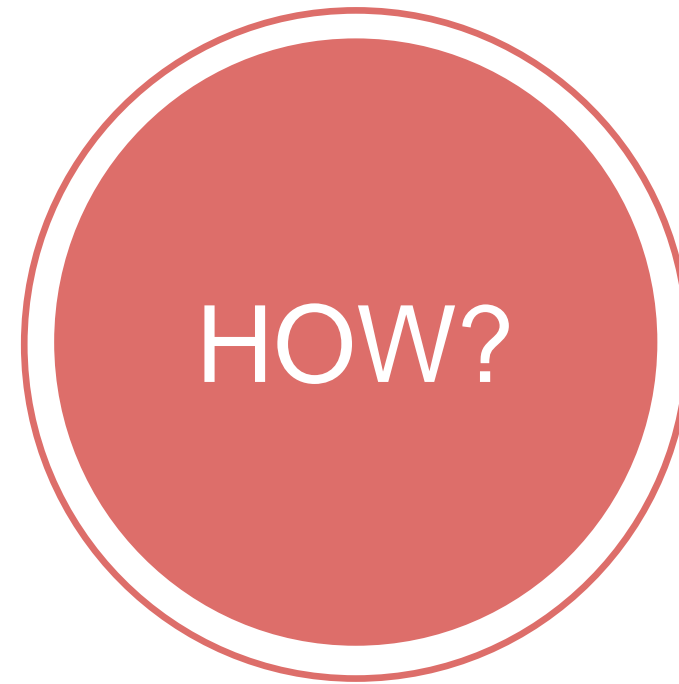
Developing the conceptual framework



Measure
Environmental
Performance



Help National Governments
refine their environmental
policy agendas



Decompose into issue
categories (air, water, waste...)
and identify indicators

Engage with stakeholders



Engage with stakeholders

- Involve them early in the process
 - Test the research question, key definitions, and purpose of the monitor
 - Helpful to gather different perspectives
 - Make sure they are part of the process
- **This will help them build understanding and ownership**

Understand the domain



Understand the domain

- Review the literature in the field
- Review existing initiatives and indicator frameworks, and indicators
- Engage with stakeholders – to better understand the what and the why
- Engage with experts – to better understand the what and the how

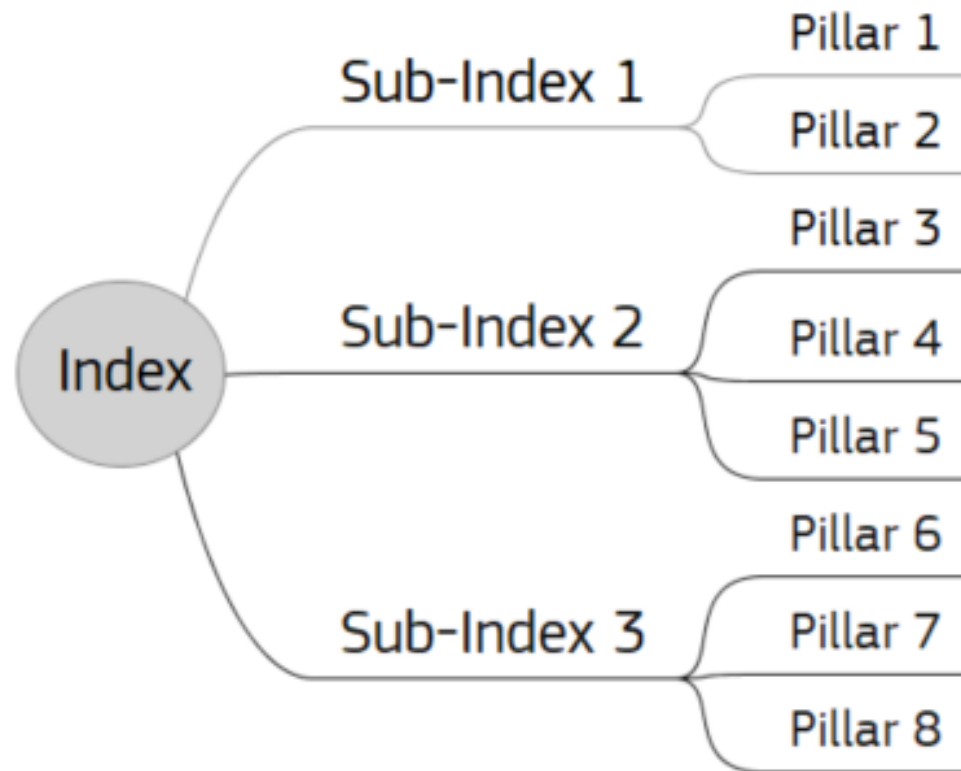
Be concept-driven, as opposed to data-driven

Don't box yourself in

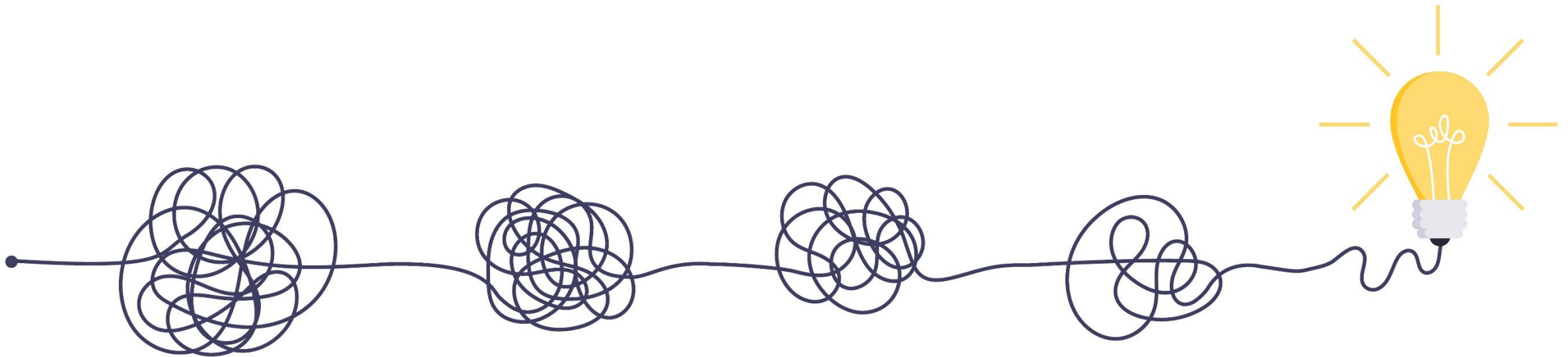
List all the relevant aspects related to the concept at this stage independently of the constraints you may have, e.g. data availability

►► **You may find a way around or other alternatives to deal with the constraints during the next step**

Structure the concept



Take your time



EU SME Twin Transition monitor

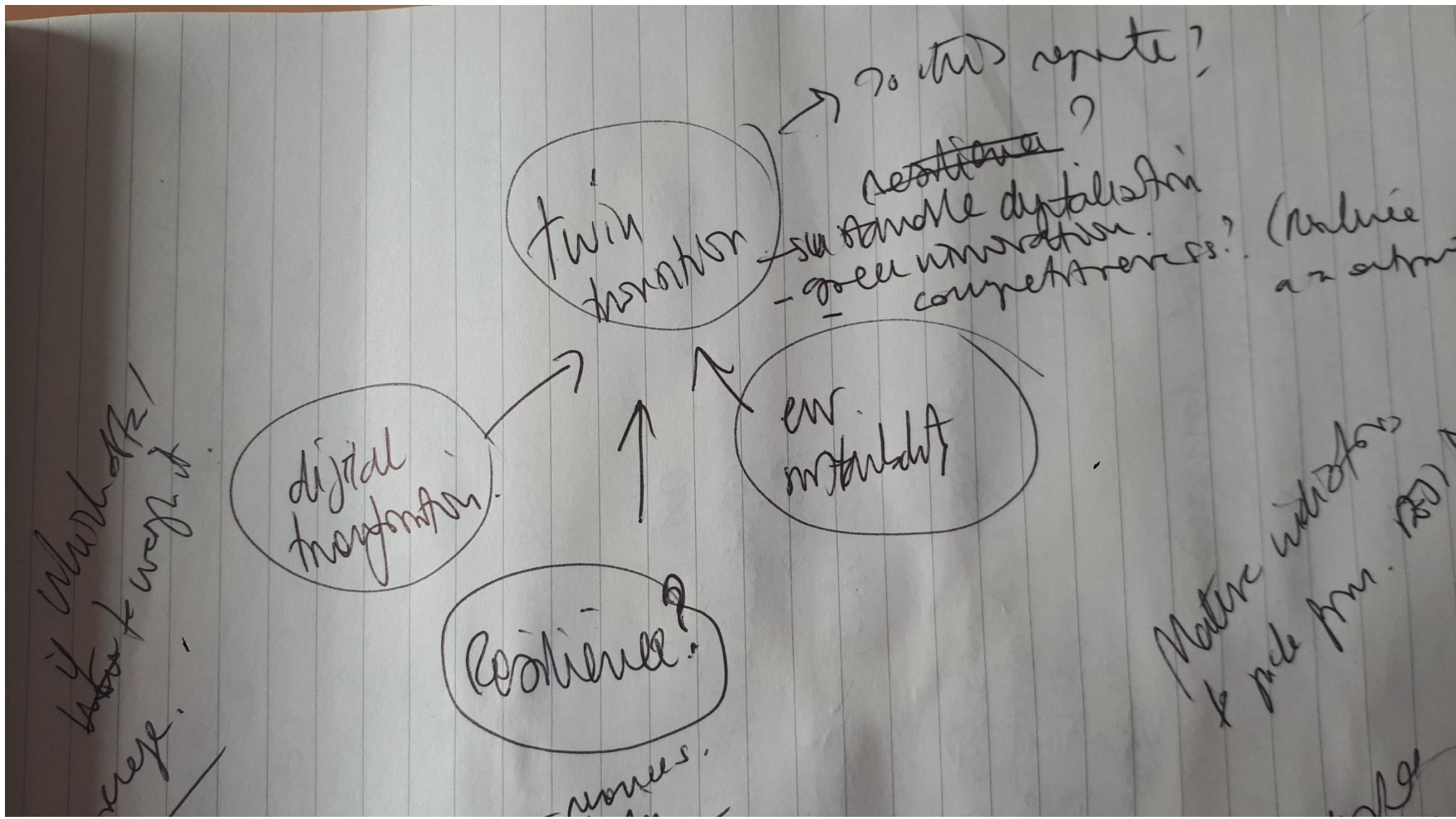
What is Twin Transition?

"Policy ambition of decarbonising the economy via the simultaneous digital and green transformation of societies"

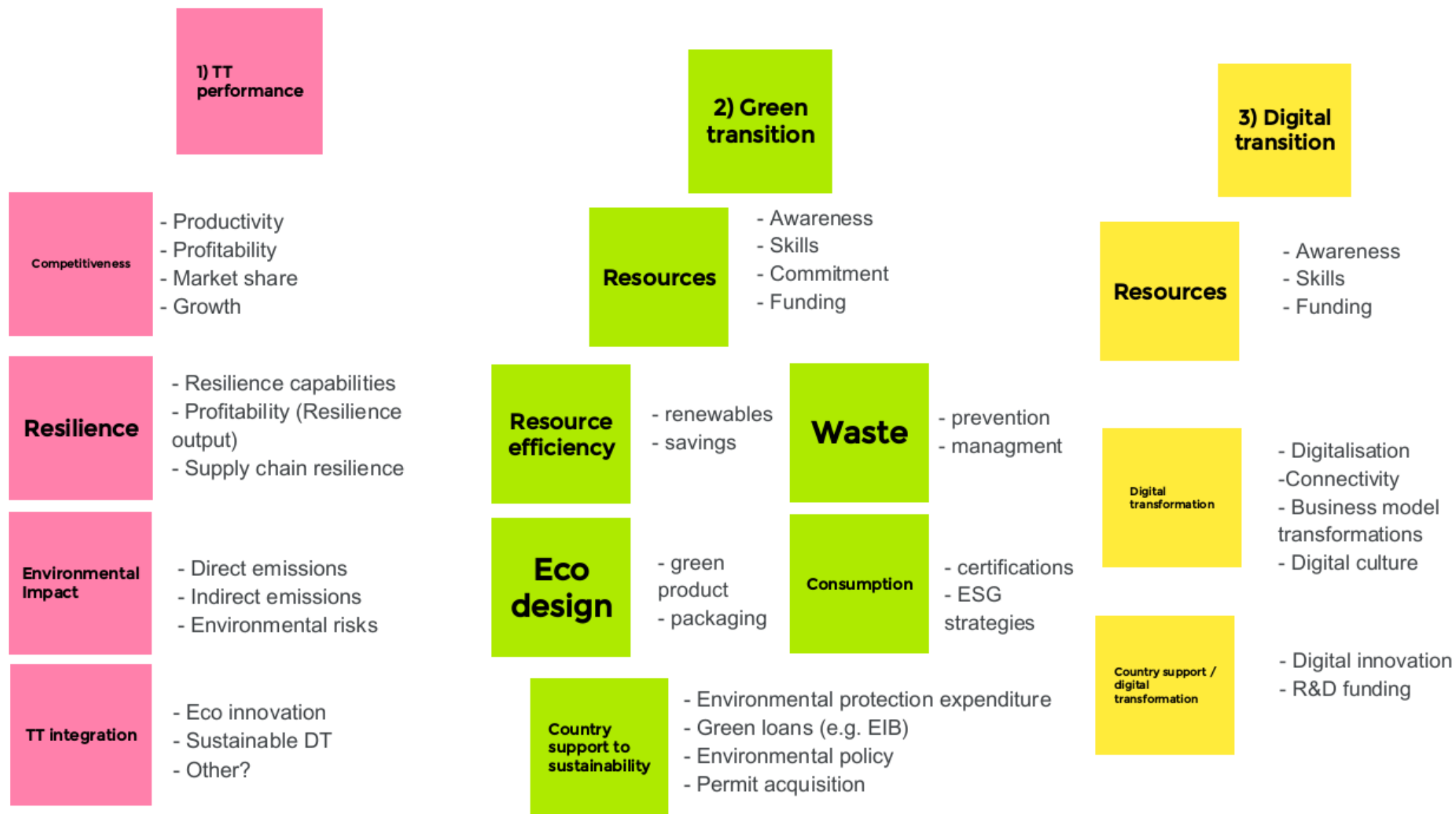
What is Twin Transition *for SMEs*?

What is a digital transformation?

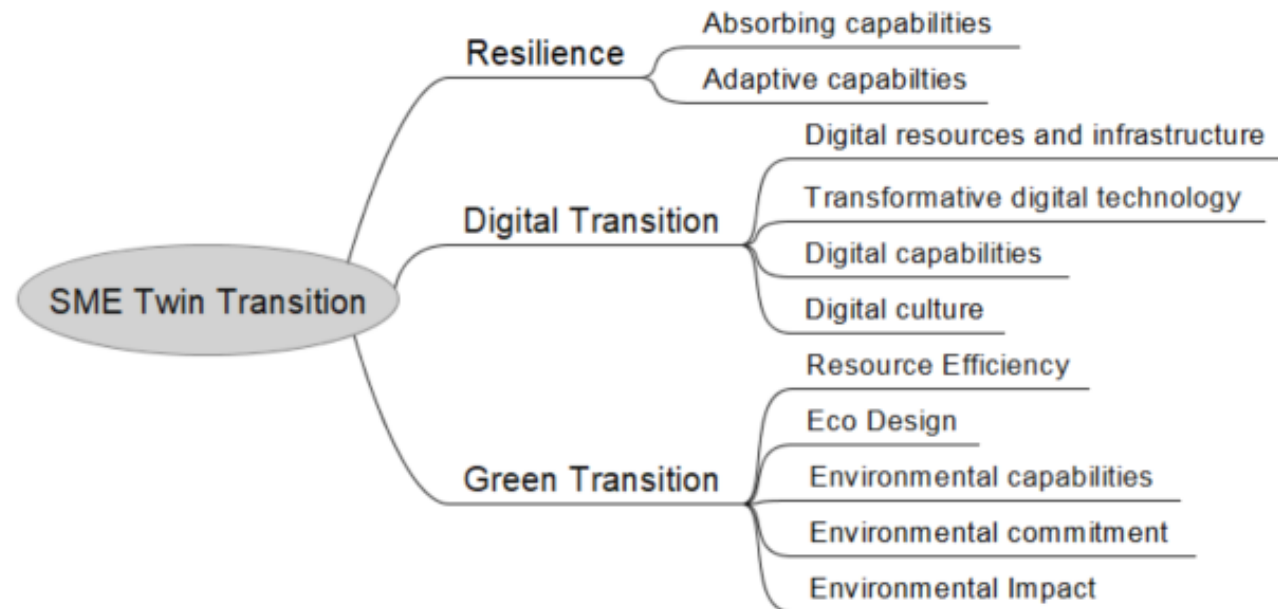
Is it the same thing as digital transition? What about digitisation?
digitalisation? Industry 4.0?







...to the final proposal



Step 1: summary

- Clarify the key questions: what, why, and how
- Engage with stakeholders
- Understand the domain
- Be concept-driven
- Structure of the concept
- Give it time

Thank you



laura.di-bella@ec.europa.eu | jrc-coin@ec.europa.eu



composite-indicators.jrc.ec.europa.eu

© European Union 2023

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

All images © European Union 2023, except: slide 4 - Blue Planet Studio stock.adobe.com, slide 6 - sanchesnet1 stock.adobe.com, slide 13 – Konstantin stock.adobe.com

Further reading

JRC-OECD (2008). [Handbook on constructing composite indicators: methodology and user guide](#). Paris: OECD.

JRC (2019). [Your 10-Step Pocket Guide to Composite Indicators & Scoreboards](#).

Becker, M., Dominguez-Torreiro, W., Neves, M., Tacao Moura, A.R., Saisana, C. J., (2020). [Exploring the link between Asia and Europe connectivity and sustainable development](#). *Research in Globalization*, 3.

Becker, M., Dominguez-Torreiro, W., Neves, M., Tacao Moura, A. R., Saisana, C. J., (2018). [Exploring ASEM Sustainable Connectivity - What brings Asia and Europe together?](#), doi: 10.2760/92898.

Becker, M., Dominguez-Torreiro, W., Neves, M., Tacao Moura, A.R., Saisana, C. J., (2018). [Exploring ASEM Sustainable Connectivity - What brings Asia and Europe together? Methodological Annex](#)

Ferretti, F., Guimaraes Pereira, A., Hardeman, S. & Vertesy, D. (2017) “Research Excellence Indicators: time to re-imagine the ‘making of’?” Paper under revision for Science and Public Policy.

Rottenburg, R., Merry, S.E., Park, S-J. and Mugler, J. (eds.) (2015) *The World of Indicators: The Making of Governmental Knowledge through Quantification*. Cambridge: Cambridge University Press

Fukuda-Parr, S., Yamin, A. E., & Greenstein, J. (2014). The power of numbers: a critical review of millennium development goal targets for human development and human rights. *Journal of Human Development and Capabilities*, 15(2-3), 105-117.

Gisselquist, R. (2014) Developing and evaluating governance indexes: 10 questions. *Policy Studies* 35(5),513-531

Paruolo, P., Saisana M. and Saltelli A. (2013) “Ratings and rankings: voodoo or science?” *Journal of the Royal Statistical Society: Series A*. 176(3), 609–634

Davis, K. E., Fisher, A., Kingsbury, B. and Merry, S.E. (eds.) (2012) *Governance by Indicators: Global Power Through Quantification and Rankings*. Oxford: Oxford University Press.

Saltelli, A. (2007). Composite indicators between analysis and advocacy. *Social Indicators Research*, 81(1), 65-77.

Hammond, J.S., Keeny, R.L. And Raiffa, H. (1999). *Smart Choices, A practical guide to making better life decisions*. Broadway Books. New York.