

Step 1

Conceptual framework

18th JRC Annual training on Composite Indicators and Scoreboards

Ana Rita Neves

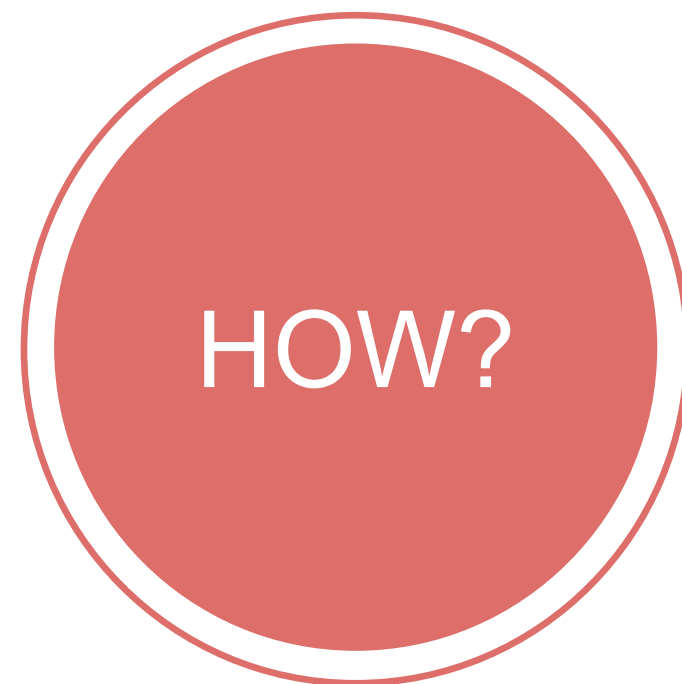
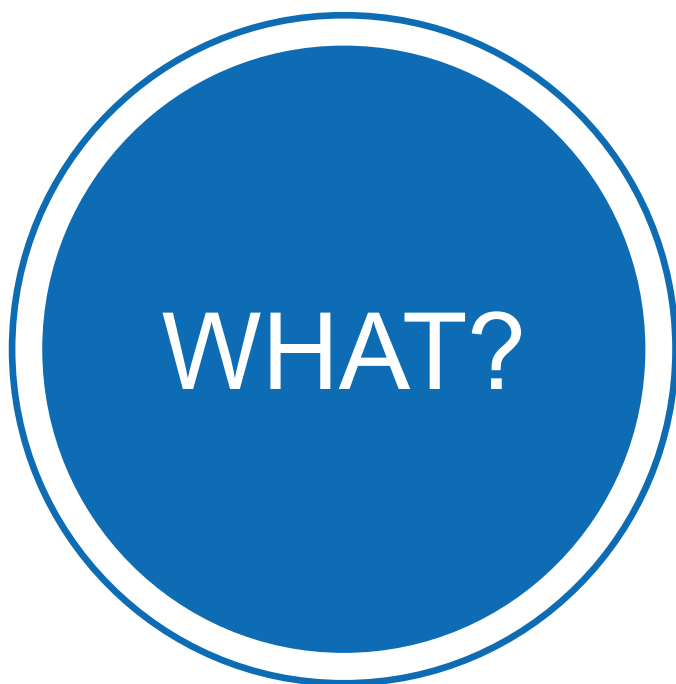
10 STEPS to build a Composite Indicator

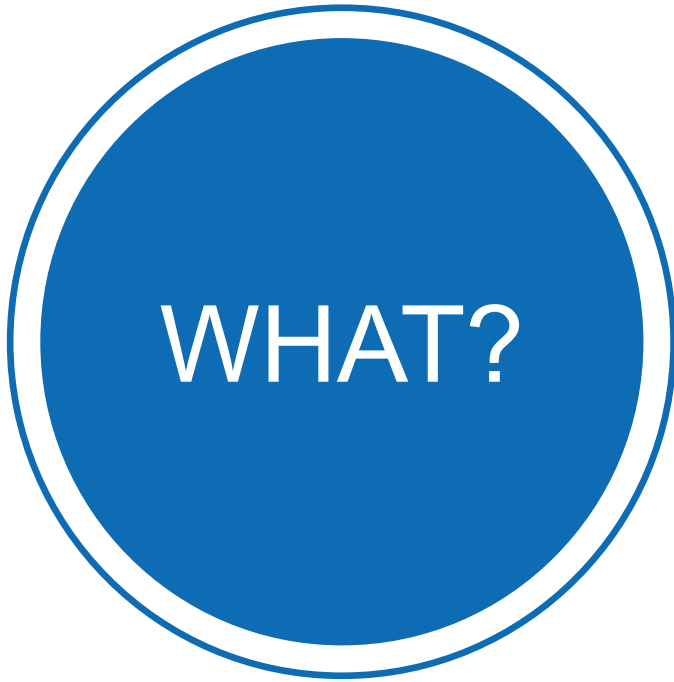


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The answer to the Ultimate Question of life, the universe and everything

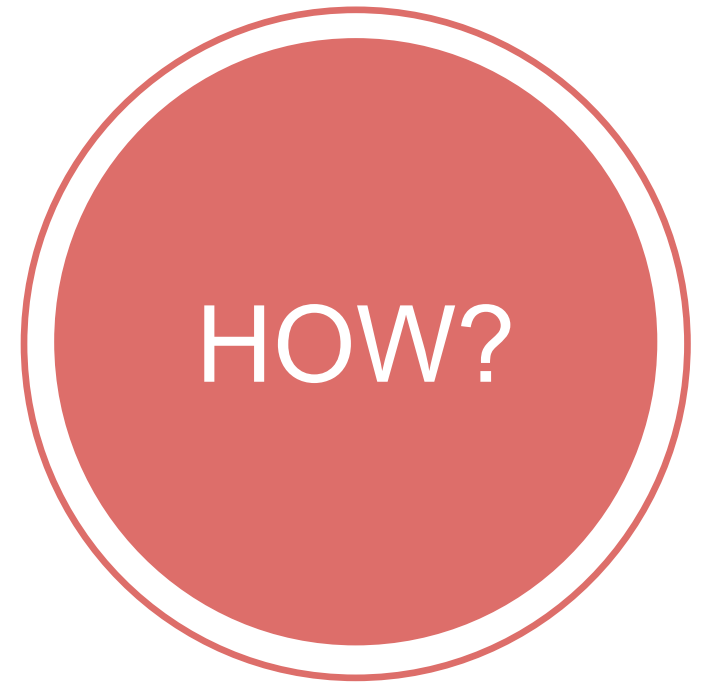




Measure
Environmental
Performance



Help National Governments
refine their environmental
policy agendas



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

Understand the domain

Undersdand the domain

- Review the literature in the field
- Map existing initiatives and indicator frameworks
- Engage with stakeholders and experts

Engage with stakeholders

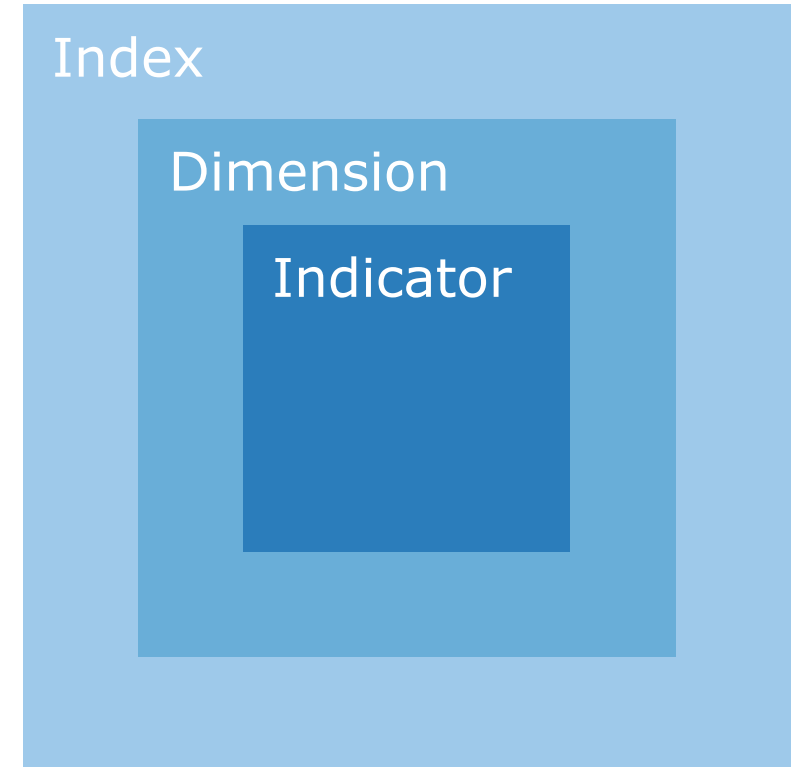
Engage with stakeholders

- Involve them early in the process
 - Clarify the purpose of involving them and how the results will be used
 - Make sure they are part of the process and not contributing to a framework that has already been decided
- ▶▶ This will help them building understanding and ownership

Structure the concept

Structure the concept

- Break down the concept into component pieces in a “concept hierarchy”
- Higher-levels relate to fairly general areas, such as environment, economy, policy, health, which provide a basis for specification of lower-levels, from where it is then easier to identify the indicators.

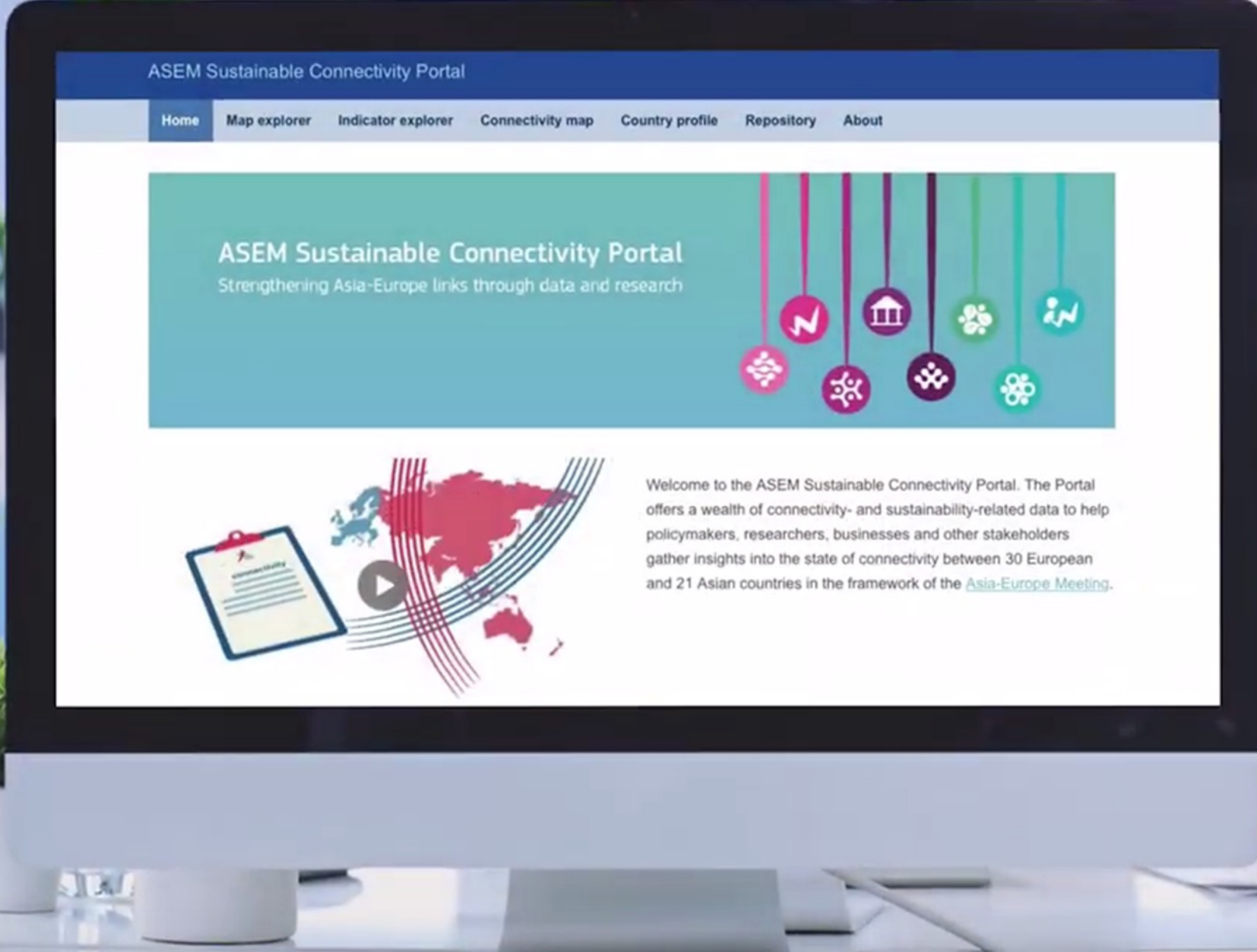


Don't box yourself in

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

2/3 of overall time in defining the conceptual
framework and indicators



Connectivity is about ...

... bringing countries, people and societies together.

... enhancing the economic, political-security, and socio-cultural ties between Asia and Europe.

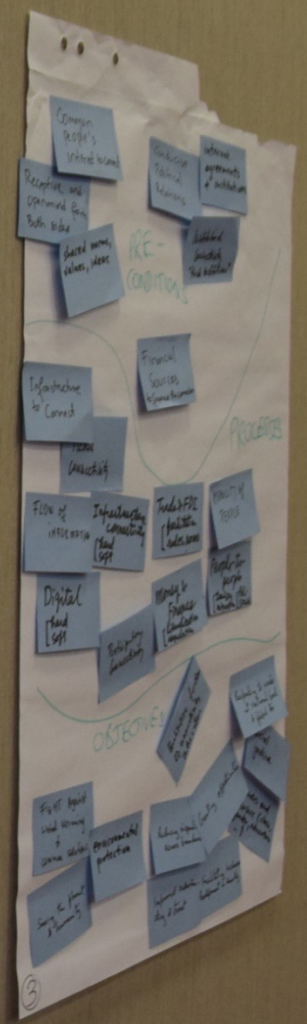
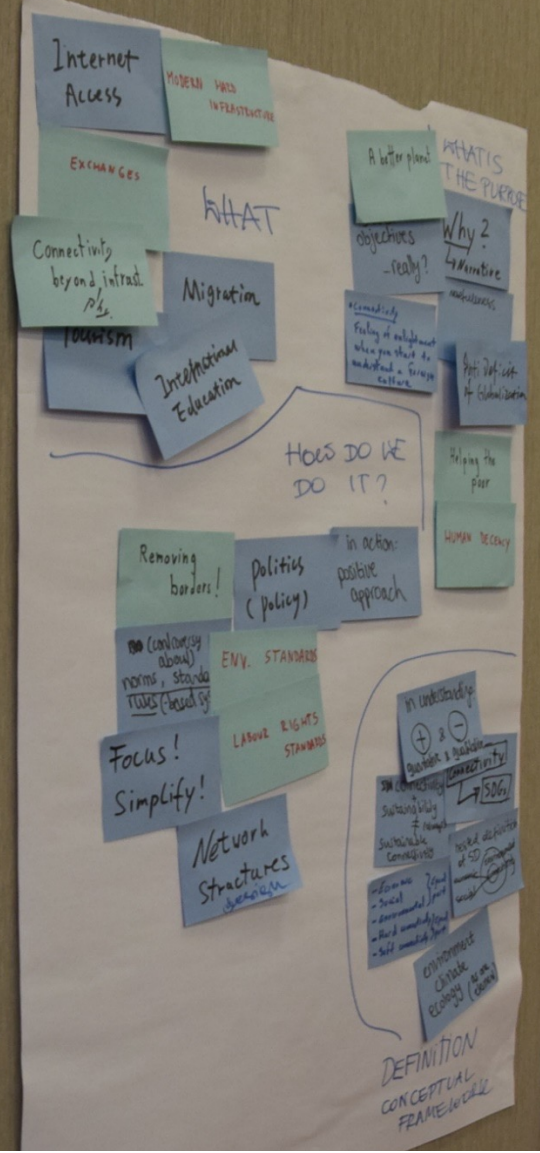
... covering transport, digital links, energy, education, research, tourism, institutions ...

... contributing to the 2030 Agenda for Sustainable Development.

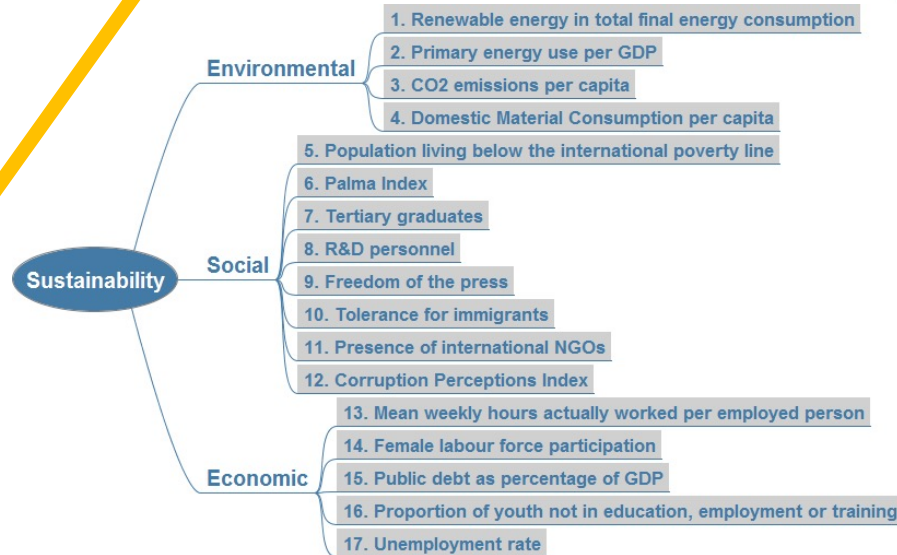
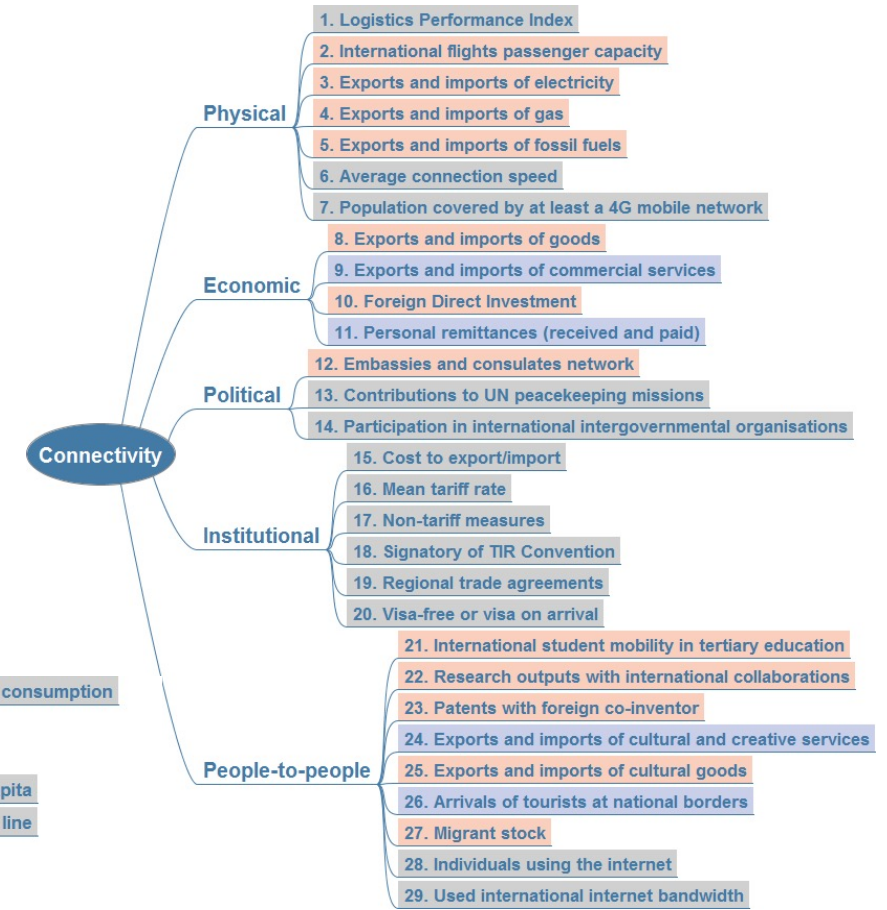
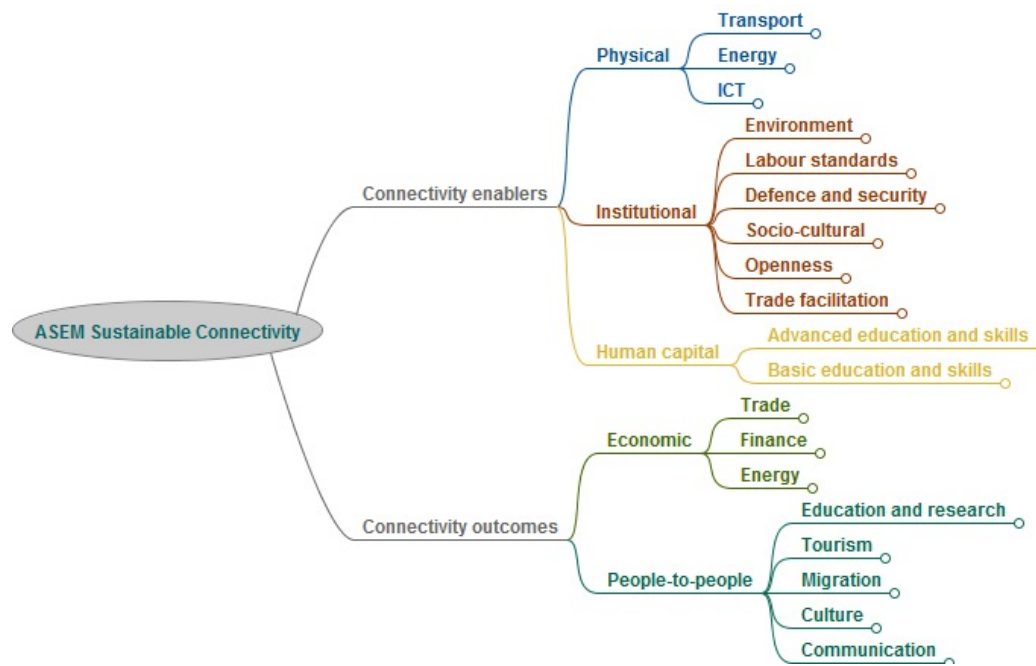


What really matters?

- Skills Building
- Developing Awareness
- Positivity
- People Empower
- Collective Leadership
- Correlation of markets
- Convergence of prices
- Convergence of income levels
- Spill-over of technologies, standards, protocols
- Inter-industry vs Intra-industry trade
- Tangible finance
- "death of distance" / end of isolation
- free flow of information / data
- citizen engagement /
- end of inequality / not profitability
- Integrated approach (env., social, gov.) criteria
- Inclusiveness (public-private)
- responsible use of technology
- COMMON GROUND ON STANDARDS AND REGULATIONS
- ALTERNATIVES
- ABILITY TO ACCESS THINGS OTHERWAYS TRANSNATIONALLY LOWERING EXTERNALITIES



AFTER



BEFORE

Conceptual framework



Wrap-up

- The concept will guide the entire process of building a multidimensional indicator framework.
- The concept will be measured in terms of the indicators chosen (step 2).
- “*What is badly defined is likely to be badly measured*”
- The concept should be *complete*, i.e. capture all the relevant aspects.
- The concept should be *understandable*, i.e. facilitate generation and communication of insights for guiding or influencing policymaking.

►► TAKE YOUR TIME!

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A number only gets to be useful when considered as the answer to a question.

Niederman and D. Boyum in "What the numbers say"

Thank you



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Further reading

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