

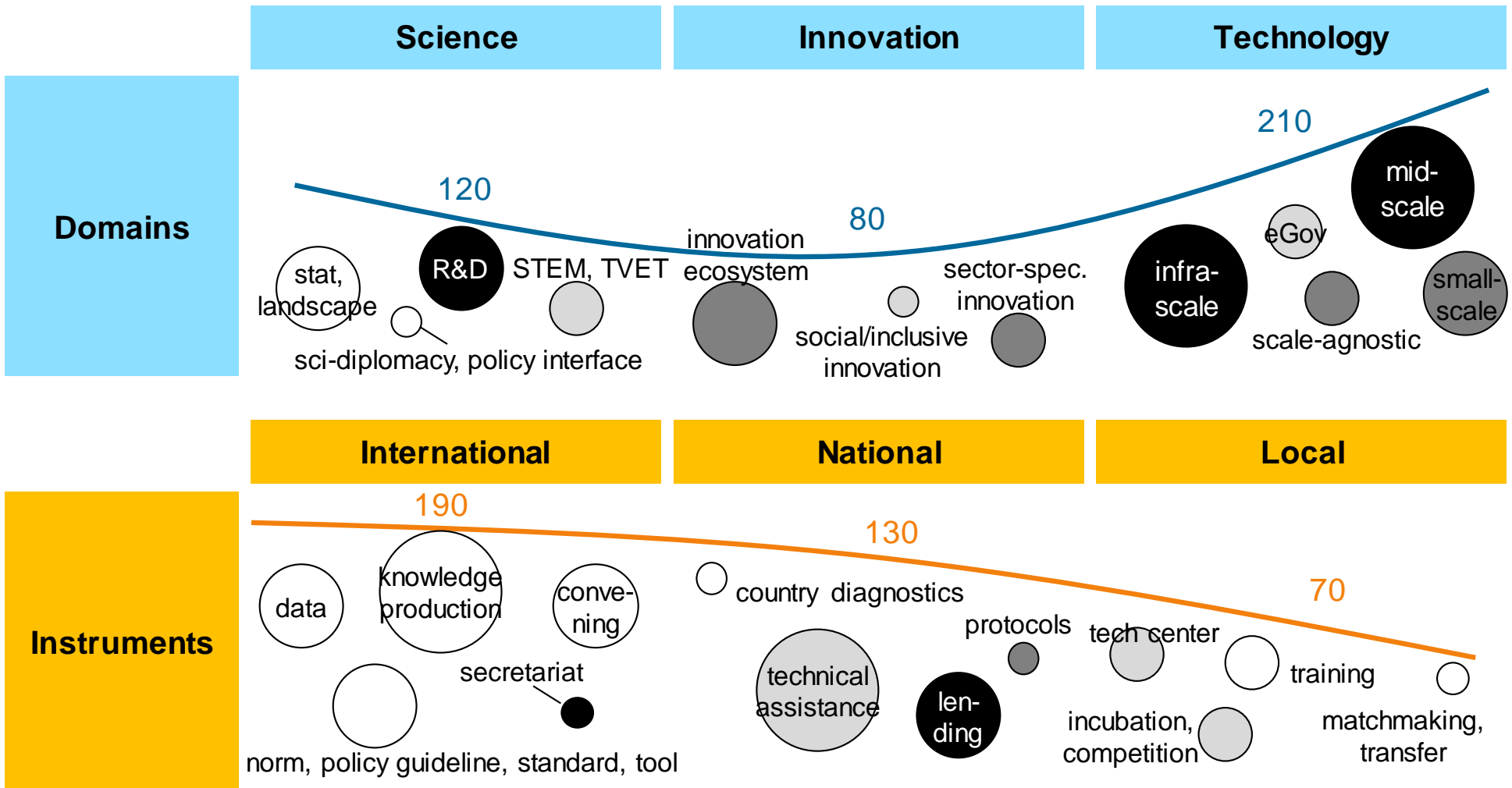
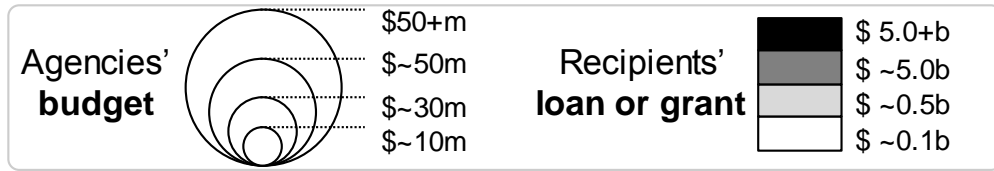
# ***Landscape of Science, Technology and Innovation Initiatives for the SDGs***

Klaus Tilmes  
Director, Trade and Competitiveness Global Practice  
World Bank Group  
May 16, 2017

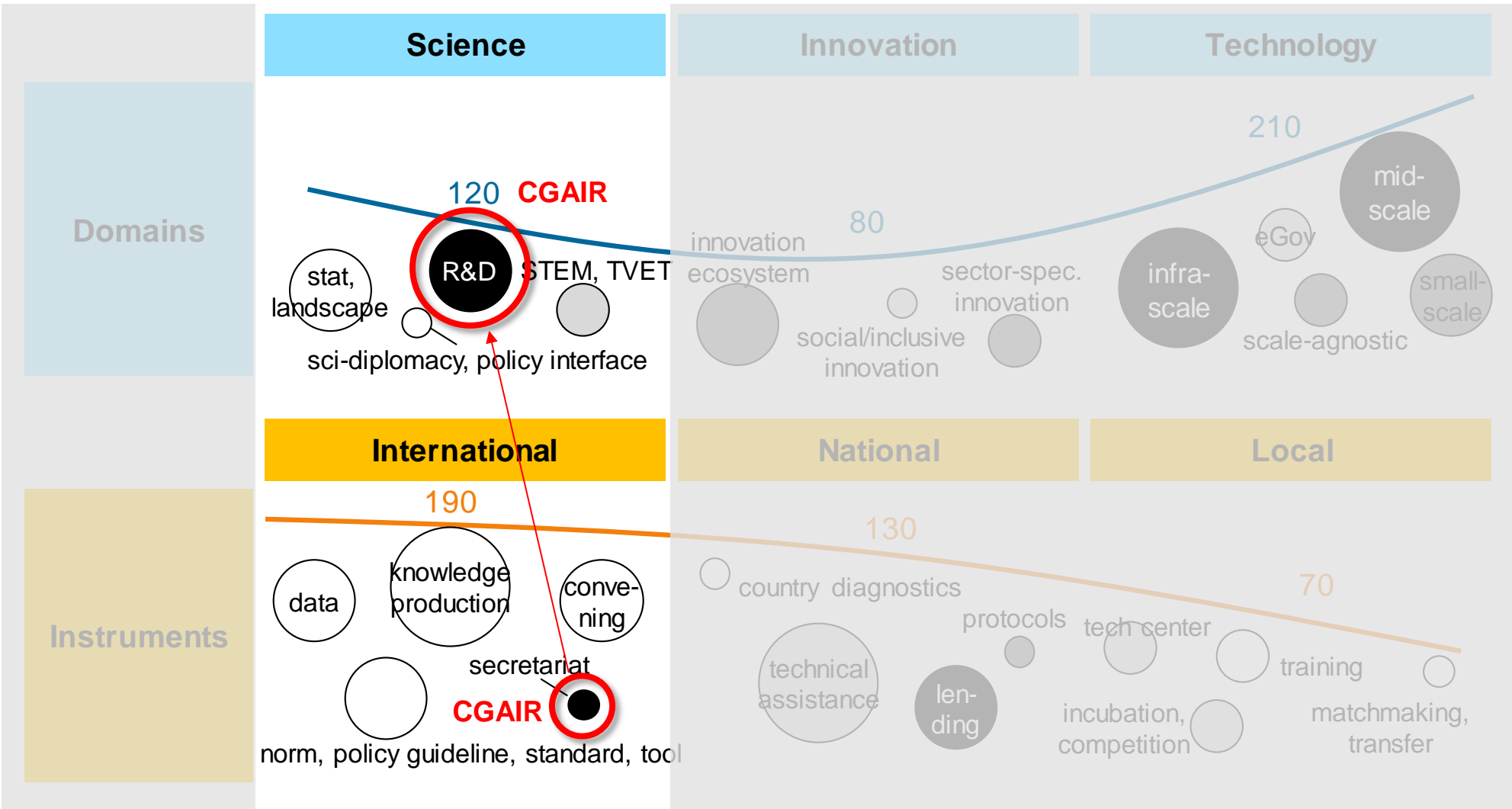
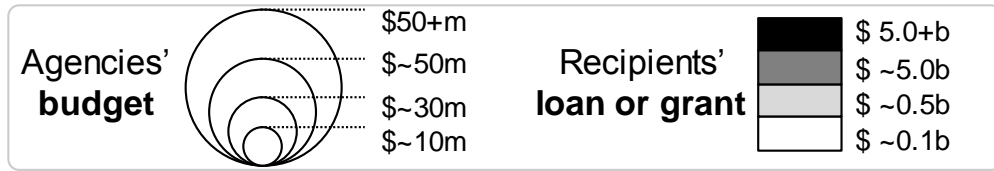
# “Mapping” the UN System’s rich and diverse STI initiatives, with promising synergies

- STI as second “Means of Implementation,” next to Finance for Development
  - ❑ 23 commitments related to STI, in Addis Ababa Action Agenda
  - ❑ 26 out of the 169 targets under the 17 SDGs
- 20 UN Agencies, with some known STI involvements
- **1,600** STI initiatives, worth **2,600** staff FTE, **\$1b** budget, **\$120b** loans and grants
- Based on data received, 7 agencies host most of the STI initiatives: World Bank, FAO, ITU, WIPO, UNEP, UNESCO and UNIDO
- **Data caveat:** not all agencies had capacity to submit detailed inputs (*identification* not comprehensive); accounting and reporting not harmonious (*estimation* based on some assumptions); and nature of activities often cross-cutting and overlapping (prone to subjective *interpretation*).
- **Underestimated:** e.g. not fully covering UNDP, WHO, UN-HABITAT.

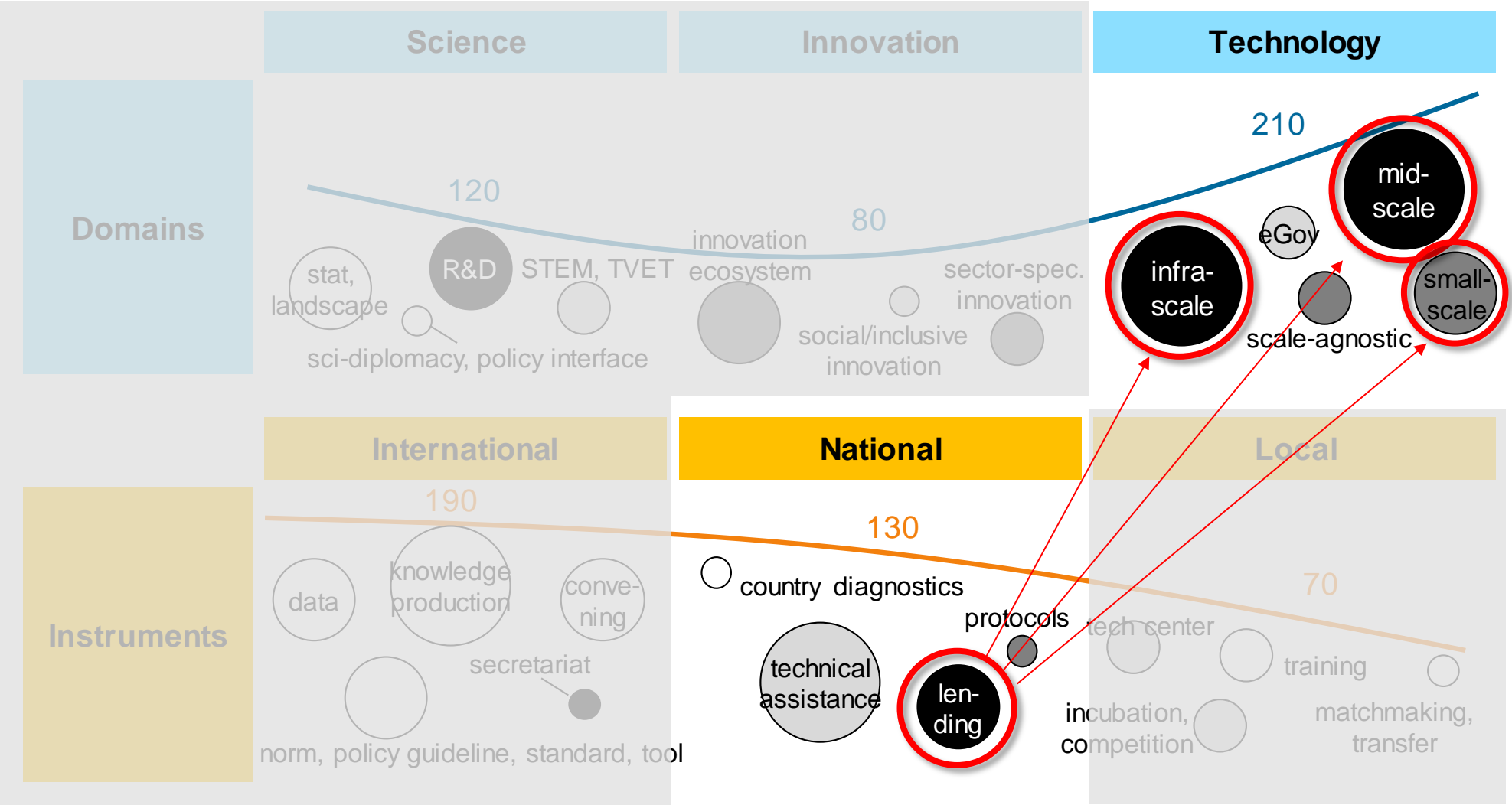
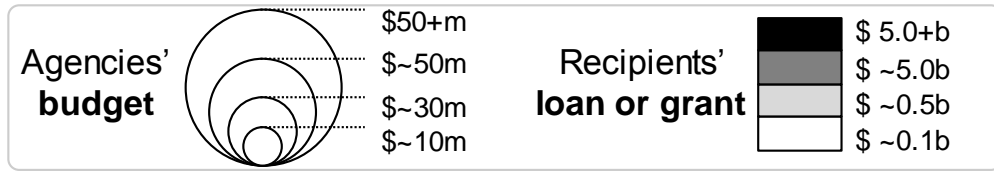
# Mutually reinforcing domains and instruments of support



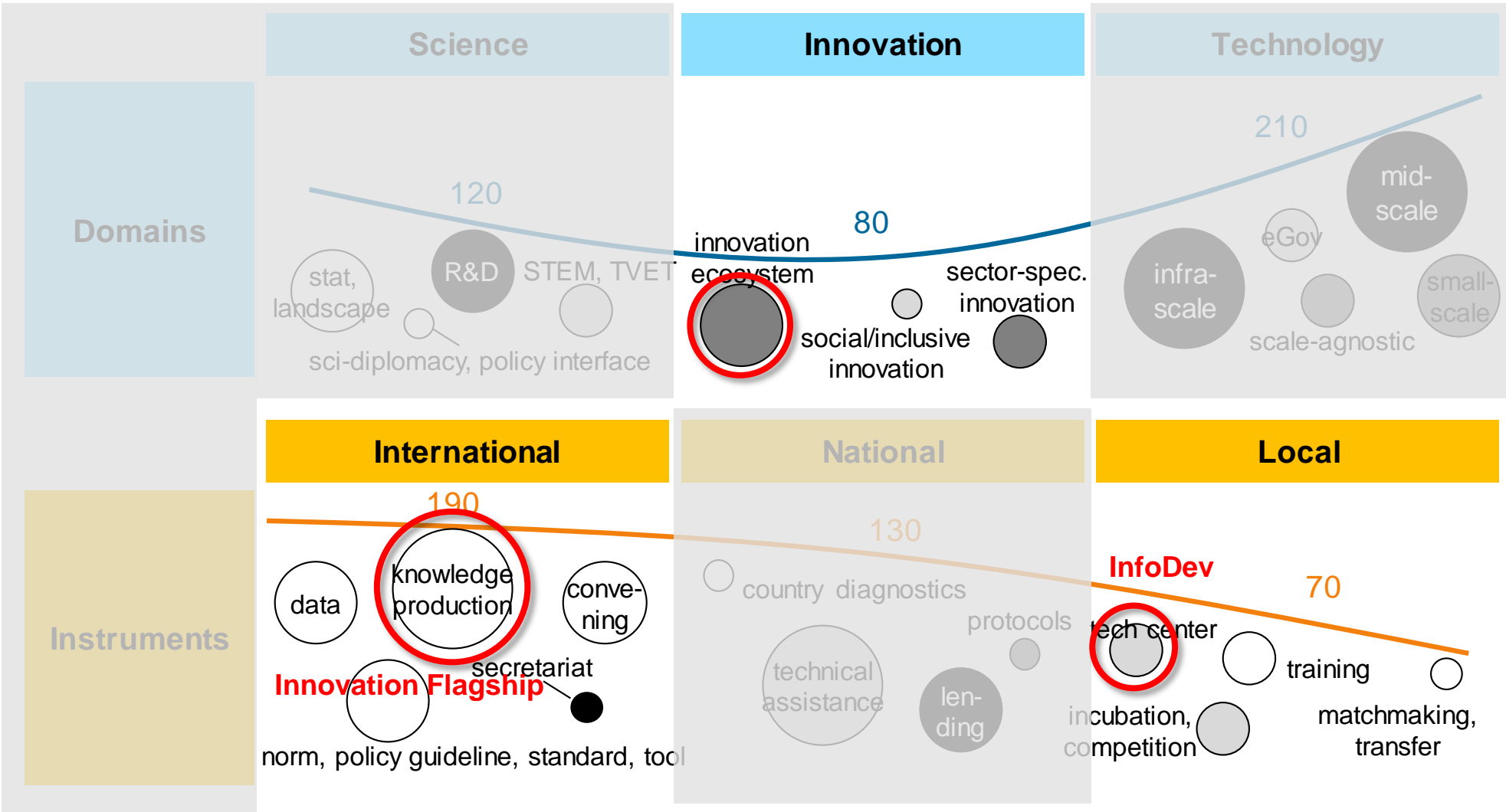
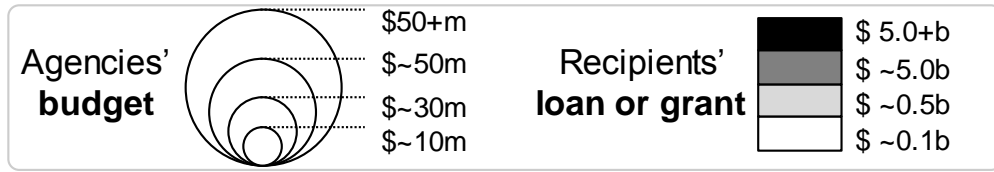
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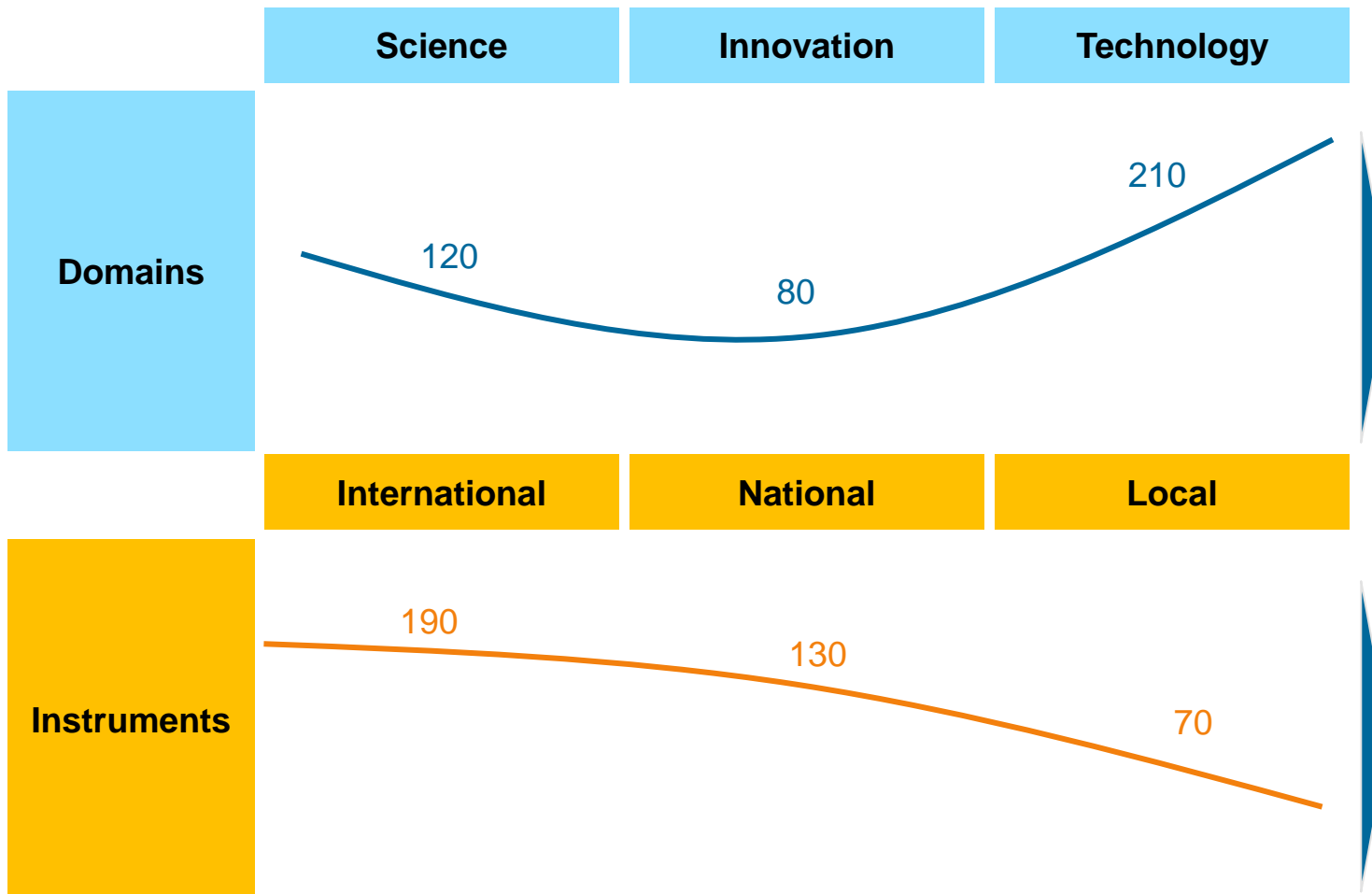
# mutually reinforcing domains and instruments of support



# mutually reinforcing domains and instruments of support



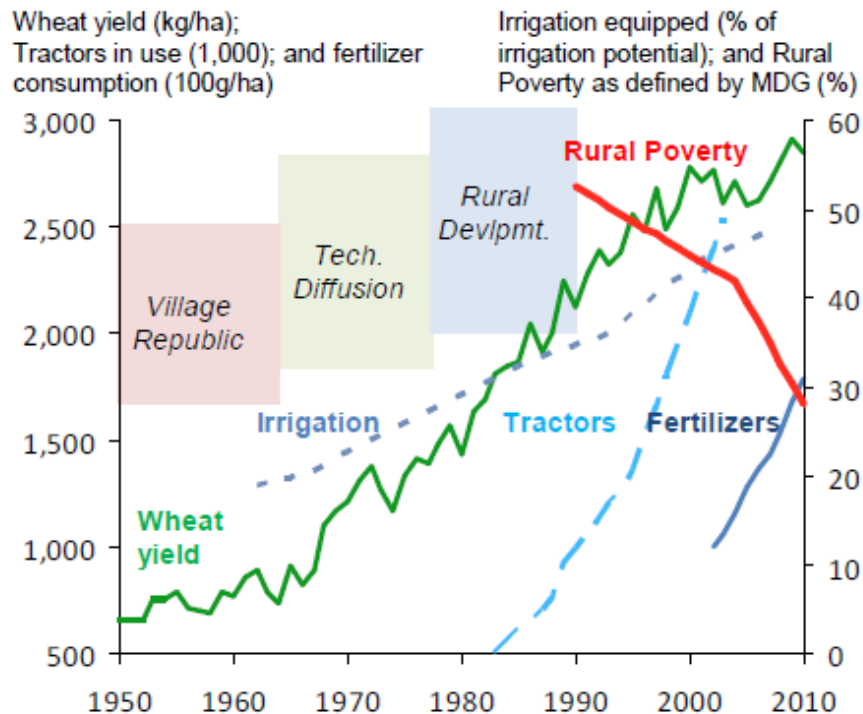
# Distribution Patterns are interesting



- How can we **accelerate and scale** from research to solutions?
- Is there a “**valley of death**”?
- How can we better **learn and adapt** from global agenda to local actions?
- Are we too “**big-headed**”?

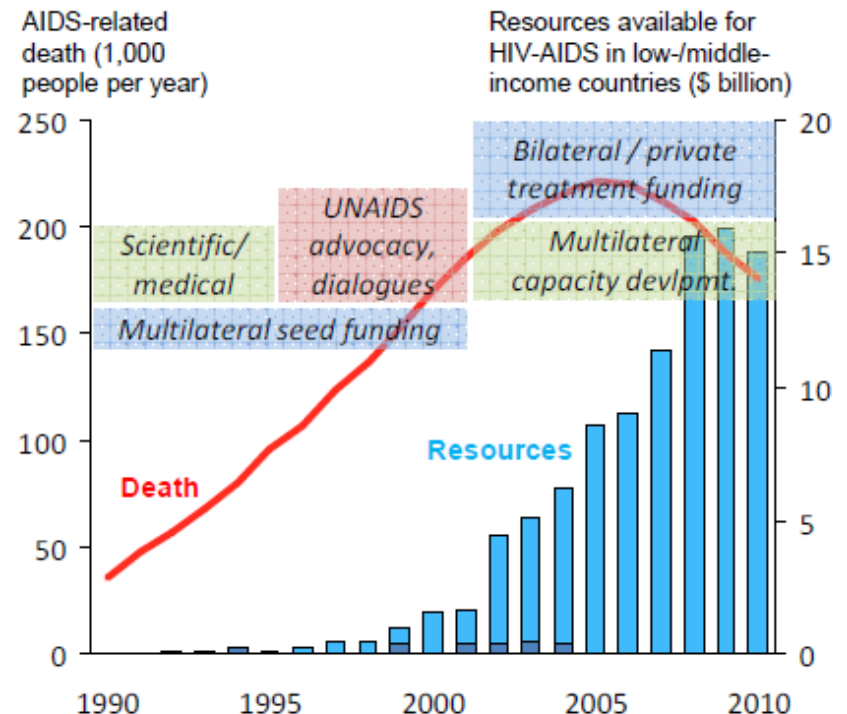
# UN Fit For Purpose, in Fast Changing World – STI for MDGs?

## India policies, agro-technologies and outcomes – before and after Green Revolution



Source: Author's elaboration on FAOSTAT; AQUASTAT; India MDG Report; Mansuri and Rao (2012); and Immerwahr (2015).

## World Responses to HIV/AIDS – political will, knowledge, and finance



Source: Author's elaboration on Global Fund-World Bank HIV/AIDS Programs Study (2006); and UNAIDS Global HIV/AIDS Report (2010)

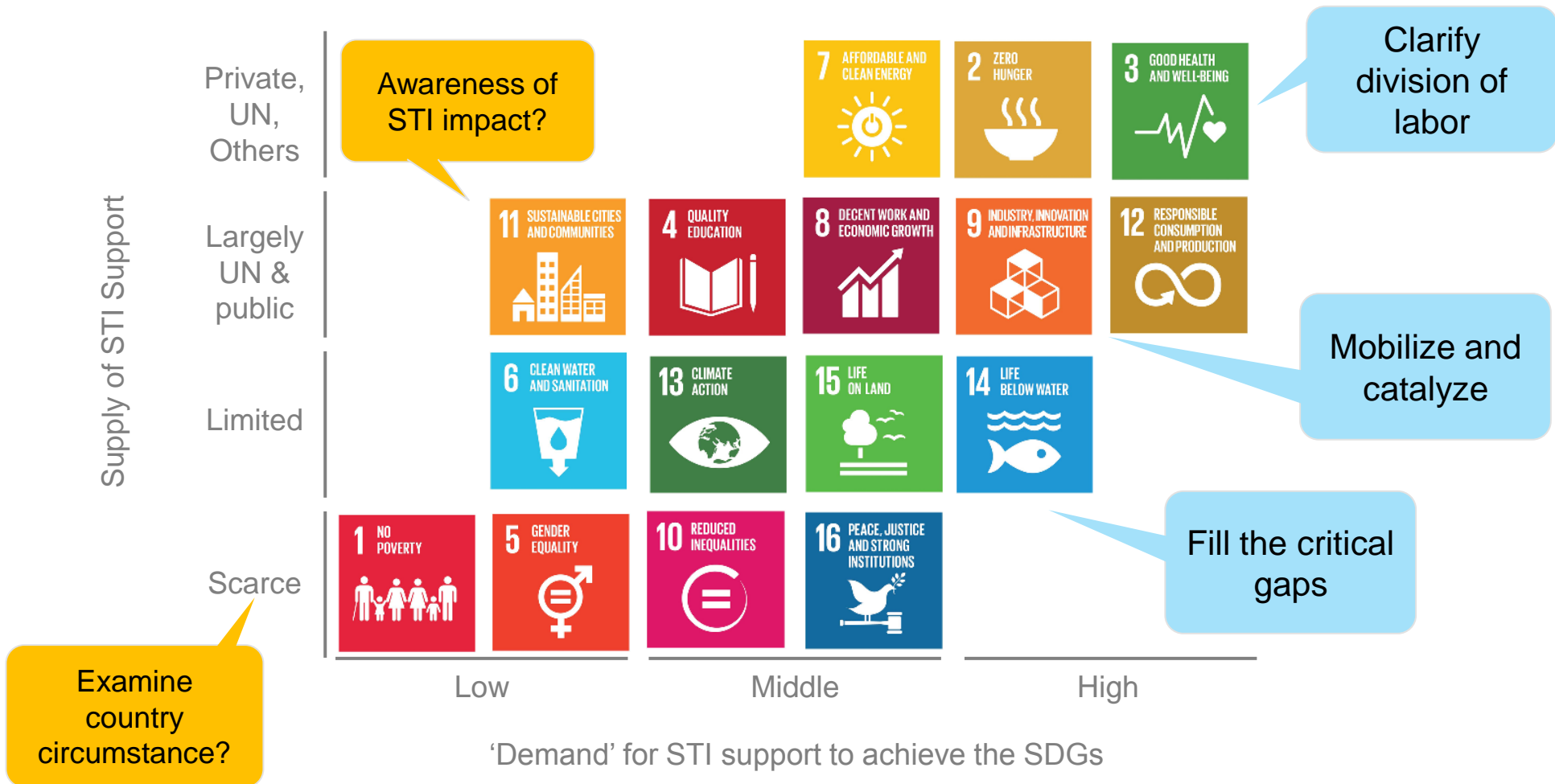


# Some “Mapping” lessons

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- Technologies change faster than in the age of the MDGs
- Which of the two approaches?
  - Strategic alignment, selectivity and possible reallocation
  - Additional resources
- Based on common and adequate STI framework, strategies and metrics?
  - At UN Agencies – Not Yet.
  - At Countries – Not Yet.

# Needs and Gaps Framework



# Rethinking Public and Private Sector Roles – as in FfD

Supply of STI Support

Private,  
UN,  
Others

Largely  
UN &  
public

Limited

Scarce



Low

Middle

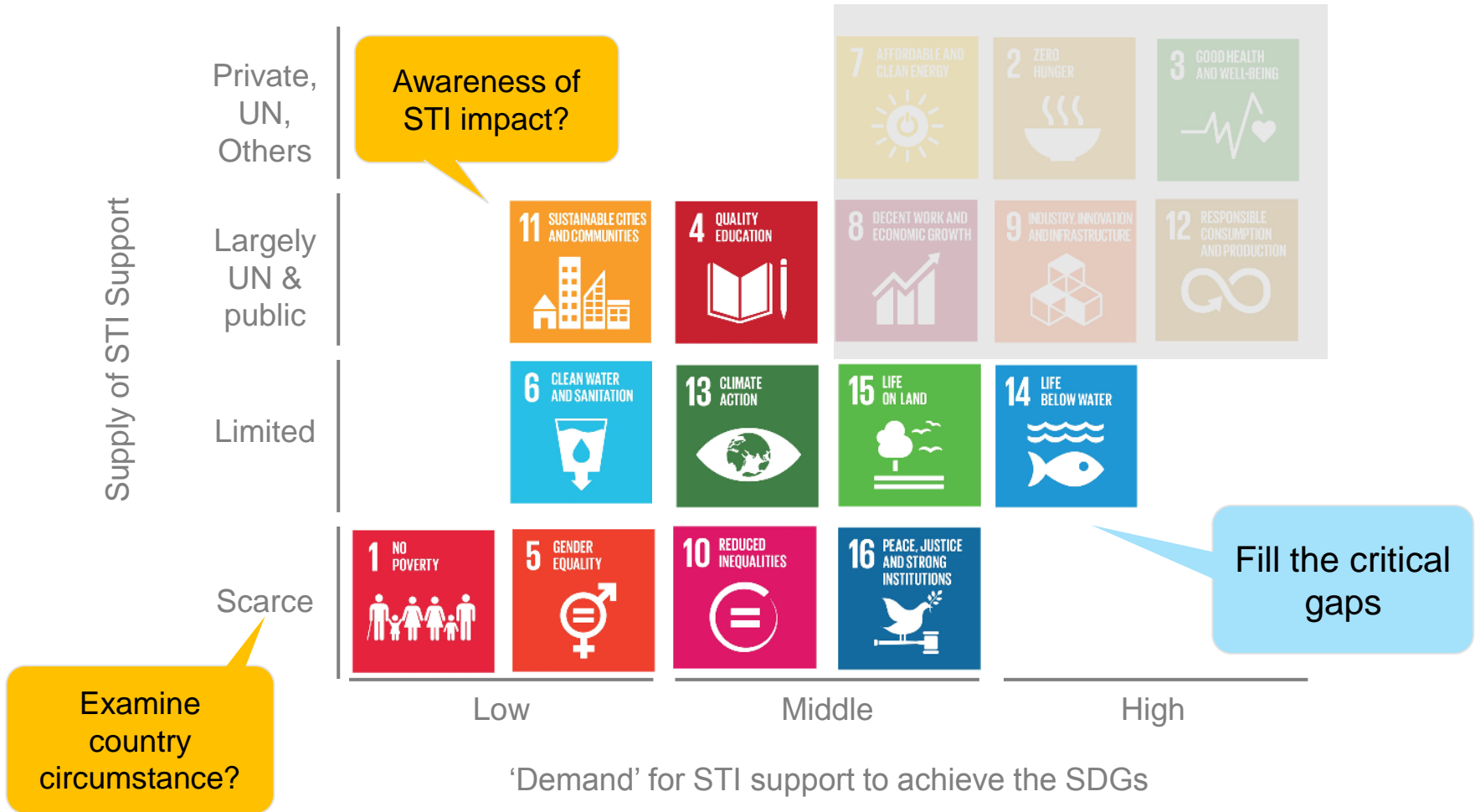
High

‘Demand’ for STI support to achieve the SDGs

Clarify  
division of  
labor

Mobilize and  
catalyze

# Need More Granular Views, per SDGs



# Recommendations

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- **Fix plumbing** ... TFM to facilitate addressing data, concepts, reporting, and strategic gaps at UN Agencies.
- **Upstream line of sights** ... TFM to commission or facilitate assistance to countries to fulfill commitment on STI policy frameworks as an integral element of sustainable development strategies.
- **Move the needle** ... TFM as a repository or a proactive coordinator of identified partnerships, among private sector, countries, agencies and other stakeholders, through inter-sessional work toward the next STI Forum