Global Innovation Index (GII), 2025

Prelims: Current events of national and international importance

Why in news?

India rises to 38th position in Global Innovation Index (GII) 2025.

- The GII ***measures innovation performance*** across ***around 140 economies*** (GII,2025 - 18th edition).
- **Published by -** World Intellectual Property Organization (WIPO) in partnership with the Portulans Institute.
- **Parameters -** Investment patterns, technological progress, adoption rates, and socioeconomic impacts.
- **Usages -** It provides a useful resource for government, industry, researchers and anyone with a stake in developing innovation ecosystems around the world.
- **Findings of GII 2025 –**
  - The Global innovation systems are ***undergoing a shift***, while ***cutting-edge technologies in AI and quantum computing*** are advancing rapidly, R&D growth has slowed down.
  - **Top 10 Most Innovative Countries in the World 2025 -**

Global Innovation Index Ranking 2025

This year the most innovative economies are:

1. Switzerland	6. United Kingdom
2. Sweden	7. Finland
3. United States of America	8. Netherlands (Kingdom of the)
4. Republic of Korea	9. Denmark
5. Singapore	10. China

  - **Rising economies -** Several ***middle-income economies*** continued their

upward climb in the rankings, including China, India, Türkiye, Vietnam, and the Philippines.

- **Innovation clusters - *China leads the world*** with 24 of the top 100 innovation clusters, followed by the United States with 22.
- The top cluster is Shenzhen–Hong Kong–Guangzhou, surpassing Tokyo–Yokohama due to strong venture capital activity.

*The Top 100 clusters together account for **around 70% of global patent filings and venture capital activity**, underlining their central role in shaping the future of innovation.*

- **Investment slowdown** - The report noted a ***deceleration in innovation investment.***
- Global R&D growth slowed in 2024 to 2.9%, the lowest since 2010, with a further slowdown projected for 2025.
- **India's performance -**
- **Ranking -** India ***rose to 38th place*** among 139 economies, a significant improvement from its 48th rank in 2020 and 81st in 2015.
- **Top performer -** India secured the ***no.1 spot among lower-middle-income economies*** and in the Central and Southern Asia region.
- **Strengths -** The country performed well in ***Knowledge & Technology Outputs*** (ranked 22nd) and ***Market Sophistication*** (ranked 38th).
- **Areas for improvement -** India's lowest rankings were in ***Business Sophistication, Infrastructure and Institutions***.
- **Innovation clusters -** India has four clusters ranked in the top 100 - Bengaluru (21st), Delhi (26th), Mumbai (46th), and Chennai (84th).

References

1. Indian Express | Global Innovation Index 2025
2. WIPO | Global Innovation Index 2025

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