

Second Stage Innovation Performance Reviews: What Methodology?

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What did the 1st round IPRs achieve?

- **Main objectives and achievements:**
 - Critical assessment of the respective NIS and their key components (framework conditions innovation policies and instruments; national innovation capacity; linkages and collaboration, etc.)
 - Recommendations for policy actions to stimulate innovation activity, enhance the national innovation capacity and improve the efficiency of the NIS
 - Joint followup actions to assist governments in implementing some of the Review recommendations
- **Methodology: systemic approach; the National Innovation System concept**

What changed since the 1st round of IPRs?

- **Global changes**
 - From MDGs to SDGs
 - The social media revolution
- **Country-specific changes**
 - Advances in socio-economic development
 - Changing policy priorities
 - Progress in shaping the National Innovation Systems
- **Evolution in the understanding of innovation**
 - Social innovation/Grassroots innovation
 - Public sector innovation
 - Eco-innovation
 - Smart specialization; smart cities [regional innovation systems]

What could 2nd round IPRs address?

Theme 1: Evolution in the local context and environment from the perspective 1st round reviews:

- How the NIS and its main components have evolved since the 1st round;
- Which IPR-1 recommendations have been implemented (and which have not)?
- What other innovation policy reforms have been introduced?
- Critical assessment of the NIS at its present stage

What c/ould 2nd round IPRs ... (contd.)

Theme 2: Widening and deepening of the IPR perspective related to conceptual evolution and global changes

- New global policy priorities (SDGs): innovation is a recurrent theme in the SDGs
- Evolution in the understanding of innovation and broadening of its forms (social innovation; public sector innovation; eco-innovation; smart specialization; smart cities)
- Technological advances provoking innovative societal changes (such as social media)

Sustainable development

- **Meeting human development goals while maintaining the ability of natural systems to continue to provide the natural resources and ecosystem services upon which the economy and society depend**
 - It is the organizing principle for sustaining finite resources necessary to provide for the needs of future generations
 - It envisions a desirable future state in which living conditions and resource-use continue to meet human needs without undermining the natural biotic systems

Source: Wikipedia

Sustainable development



17 agreed SD goals:

	Sustainable development goals
1	End poverty
2	Food security, sustainable agriculture
3	Healthy lives and wellbeing
4	Inclusive education, lifelong learning
5	Gender equality, women empowerment
6	Sustainable water and sanitation
7	Sustainable and modern energy
8	Inclusive and sustainable growth, full employment
9	Sustainable infrastructure and industrialisation, innovation
10	Reduce inequality within and among countries
11	Smart and sustainable cities
12	Sustainable consumption and production
13	Combat climate change and its impacts
14	Sustainable use of oceans, seas and marine resources
15	Sustainable use of ecosystems and forests
16	Peaceful, inclusive societies for sustainable development
17	Global partnership for sustainable development

169 agreed SD targets, incl.:

2.3	Double the agricultural productivity and incomes of small-scale food producers
2.4	Sustainable food production systems and resilient agricultural practices
3.b	Support R&D of vaccines and medicines for the communicable and non-communicable diseases
3.d	Capacity for early warning, risk reduction and management of health risks
4.4	Skills for employment, decent jobs and entrepreneurship
6.4	Increase water-use efficiency
6.5	Integrated water resources management
6.b	Participation of local communities in water and sanitation management
7.2	Increase the share of renewable energy
7.3	Double the global rate of improvement in energy efficiency
8.2	High economic productivity through diversification, technological upgrading and innovation
8.3	Development-oriented policies to support ... entrepreneurship, creativity and innovation, SMEs
9.3	Increase access of SMEs to financial services
9.4	Increased resource-use efficiency, clean technologies and industrial processes,
9.5	Enhance research, upgrade technological capabilities ... encouraging innovation
11.b	Integrated [city] policies for inclusion, resource efficiency, climate change mitigation
12.3	Halve per capita global food waste at the retail and consumer levels
12.4	Environmentally sound management of chemicals and wastes
13.3	Improve capacity on climate change mitigation, adaptation, impact reduction and early warning

How innovation can contribute to SDGs?

	Sustainable development goals	Forms of innovation
1	End poverty	Business innovation; public sector innovation; social innovation
2	Food security, sustainable agriculture	Business innovation; eco-innovation
3	Healthy lives and wellbeing	Public sector innovation; social innovation
4	Inclusive education, lifelong learning	Public sector innovation; social innovation
5	Gender equality, women empowerment	Public sector innovation; social innovation
6	Sustainable water and sanitation	Business innovation; eco-innovation
7	Sustainable and modern energy	Business innovation; eco-innovation
8	Inclusive and sustainable growth, full employment	Business innovation; public sector innovation
9	Sustainable infrastructure and industrialisation, innovation	Business innovation
10	Reduce inequality within and among countries	Public sector innovation; social innovation
11	Smart and sustainable cities	Public sector innovation; smart cities; social innovation
12	Sustainable consumption and production	Business innovation; smart cities; social innovation
13	Combat climate change and its impacts	Eco-innovation
14	Sustainable use of oceans, seas and marine resources	Eco-innovation
15	Sustainable use of ecosystems and forests	Eco-innovation
16	Peaceful, inclusive societies for sustainable development	Public sector innovation; smart specialisation; social innovation
17	Global partnership for sustainable development	Public sector innovation; smart specialisation; social innovation

Innovation for Sustainable Development ?

UN System Task Team on the Post-2015 Development Agenda:

- **“Science, technology and innovation for sustainable development in the global partnership for development beyond 2015”**
 - Technological learning and innovation capacity: a cross-cutting issue for inclusive development (new technologies as global public goods; technology and innovation for catch-up growth)
 - Bridging the technological divide through access to technologies and promoting inclusive innovation

Innovation for SD (contd.) ?

International Journal of Innovation and Sustainable Development

- “Our philosophy is to map new frontiers in emerging and developing technology areas in research, industry and governance...”
- Topics covered include
 - Institutional change and sustainable development
 - Policy-making for sustainable development
 - Health and sustainable development
 - Education for sustainable development
 - Legislation and sustainable development
 - Alternative economic paradigms for sustainable development
 - Technological change and sustainable development
 - Partnerships for sustainable development

Innovation for SD (contd.) ?

Innovation and Sustainable Development from the Business perspective:

- Why companies would consider investing in sustainable development (results from a business survey):
 - “Mitigating business risk from potential disruption of operations, supplies or reputational damage.
 - Adhering to industry norms of transparency, traceability, environmental responsibility and other accepted standards.
 - Winning share in current markets and establishing a beachhead with future customers.
 - Building goodwill with key stakeholders.”

Source: Tufts' Fletcher School, Quoted in the Washington Post

A possible format and structure of IPR-2

Title: Innovation for Sustainable Development Review

Part 1: National Innovation System: Progress in Policy Reforms

- Current state vs. IPR-1;
- Innovation policy reforms and implementation of IPR-1 recommendations
- New forms of innovation (social/grassroots, public sector, etc.); inclusive innovation; Policies to support new forms of innovation
- Strengths and weaknesses: recommendations for further institutional and policy reforms

... format and structure of IPR-2 (contd.)

Part 2: Innovation and Sustainable Development in ... (country)

- Desired state: SD areas where innovation can be a driver for achieving SDGs (general considerations)
- Actual state in ... (country), including new forms of innovation and grassroots initiatives (what is the actual role of innovation in the above SD areas in ...)
- Good practices, strengths and weaknesses
- Recommendations for policy changes and reforms that would enhance innovation activity contributing to a shift from the current to the desired state

THANK YOU!

Thank you!

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