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Draft Country Review Template

for Mapping National Research Systems

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Category	Description	Nature of data
1. Contextualization of the science system within broader political, economic, educational and social systems	This section contains a brief narrative description of the political and socio-economic "status" or "climate" of the country highlighting significant strengths, weaknesses and major events and developments.	Historical narrative
	In addition a set of uniform tables listing demographic (6), social (8), economic (4) and technological indicators (8).	Statistical indicators
2. Some considerations about the History of science in the (country, region) under review and especially the development trajectory	Date (decade) of establishment of first research institute (s), of first public university, Scientific journals, Academy of science and/or first professional societies, Ministry for science, research and/or higher education, Science policy documents	Descriptors (listing)
	Description of specific models of scientific organization and governance as influenced by colonial and other powers historically Major periods in the institutionalization of science in country Major events shaping the development of HE and science in country	Narrative
3. The governance of science in the country and available policies (especially S&T, R&D and HE)	List of science policy, research strategy and HE documents as well as formal reviews and commissions into HE and research in the country	Descriptors (listing in chronological order)
	Research and science priorities as identified in science policy documents	Narrative

	Diagrammatic representation of science governance	Visual descriptor
4. Knowledge and R&D performers (Establishments/ Institutions/ Universities/NGO's)	Names of public universities, Names of private universities, Key university/college research centres, Key government funded research institutes/ centres, Key internationally funded research institutes/ centres Key private sector research facilities	Descriptor (listing)
	Description of strengths and weaknesses of the university system Niche areas of research in the system and at universities Modes of knowledge production undertaken in various sectors of the system	Narrative
5 Informal COT		Descriptor (Listing)
5. Informal S&T structures (Academies, Associations, Journals) = Scientific Community)	National scientific journals Scientific societies and associations Academies of science	Descriptor (Listing)
	Status of main journals (still being published or not) (Historical) description of information structures	Narrative
6. S&T Human Resources (Description/s Statistics + The Profession of researcher: status, salaries, etc)	Number of researchers/ scientists in country * gender Number of academics in HE institutions * gender Nr of academics by scientific field (6) * gender Nr of Graduate enrolments * field * gender Nr of M and D graduates by field of study (Natural/ Agric/ Engineering/ Health/Social/Humanities) Inbound/outbound student mobility rates Number of researchers per million of labour force	Indicators
	Profession and status of academics and knowledge workers Remuneration compared to other public professions Scientific mobility and brain drain challenges	Narrative
7. Research Funding (Public or private; National and international; Trends)	R&D intensity (GERD/GDP) Expenditure on R&D per researcher Expenditure by sector Source of funding (incl. overseas agencies) – actual values and proportions Expenditure by scientific field (6)	Indicators

	Role of government and other domestic agencies in funding research Role of international donor and funding agencies in funding and steering research in the country	Narrative
8. Research Output (post-graduates/ publications/ papers/ patents)	Total output in ISI-journals (by scientific field) Total output in local journals (by field) Nr of PG theses/dissertations Nr of patents Citation impact statistics	Indicators
	Description of specific policies (funding, incentive) and initiatives to encourage participation in innovation, technological learning, and research publications locally and internationally	Narrative
9. Scientific cooperation and agreements	Nr of bilateral scientific agreements Nr of multilateral and regional agreements Nr of international agencies operating in country Degree of scientific collaboration as measured through share of foreign co-authors of papers Nr of bilateral scientific agreements Nr of multilateral and regional agreements	Descriptors (Listing) Indicators
	Main international and regional scientific partners Main institutional collaborators	Narratives
	Domains and topics of scientific research	
10. Tensions, dynamics & challenges	Social inscription of science The ethos's of science (values) Science and the state/ contract Legitimacy/ credibility/trust/ accountability Science and its publics Usefulness of science?	Narratives