

Sri Lankan Experience with implementation of a National STI Strategy and opportunities and constraints for long term mobilization of capital financing



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ECOSOC Forum on Financing for development Follow up Round Table D: Trade, science, technology, innovation and capacity-building (Action areas D and G)

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Sri Lanka's International Trade ... Need for high value added exports



Government policy to increase high tech exports

Foreign earnings	US \$ m in 2015
Immigrant remittances	6400
Apparel	4554.75
Теа	1324.5
ICT	800
Rubber	787.3
Coconut	522.69

- Increase high tech exports from present 1% to 10% by 2020
 - In STI Strategy
 - In Budget 2016

Status of Exports in 2014

	Global market US \$ Millions	Export Revenue for Sri lanka US \$ Millions	Jobs in Sri Lanka
Total Exports	18,641,000	11,118.00	8,300,000
ICT Industry 2014	5,429,000	800	82,000
Electronics Industry 2014	1,500,000	343.4	40,000
Biotech Industry 2014	123,000	7	1000











Innovation Infrastructure



Innovation Funding

Important to synergize, harmonize and coordinate





- No significant contribution by R&D for wealth creation in SL
- Only 1.5% of our manufactured Exports are High Tech

Government initiatives to increase high tech industries – Ministry of Science Technology and Research of Sri Lanka



Initiative	Partners	Year
National Nanotech Initiative (NNI)	NSF and 6 private companies	SLINTEC started in 2008 as a PPP
Centre of excellence in Robotic application (CERA)	COSTI and Ministry of Industries and Ministry of Science Technology and Research	2015
Sri Lanka Biotech Innovation park	COSTI and NBIA	(Approved by Cabinet in 2016 and to be initiated in 2017)

Changing landscape of the Sri Lankan research and financing

- A shift towards experimental Private sector enthusiasm for development and research investing in R&D commercialization 80 80 Government Basic research 70 70 Private Applied 60 60 research Foreign and 50 50 Experimental other Development 40 40 30 30 20 20 10 10 0 0 2004 2014 2010 2004 National GERD by type of Research National GERD by source
- Rise in total Government Expenditure on R&D (but not in keeping with rise in GDP – as %GDP)



Government and private sector investment in R&D (Gross and % GERD)

Constraints

- Competition to access regional and international markets
- Inadequate tools and skills to Identify niche opportunities and respond fast
- High migration of skilled workers and skills gaps and mismatches
- High cost of innovation infrastructure not a preferred area yet for Governments (appointed for 5 yrs), development partners or FDI
- Failure of SL Accounting standards to capture intangible assets
- Risk averse financing systems