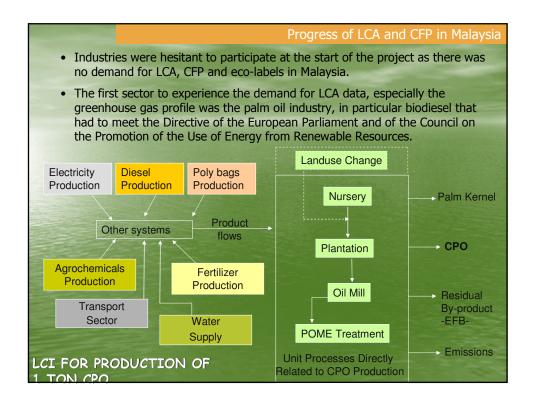
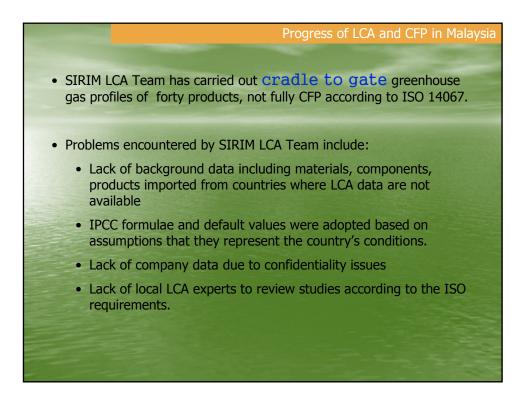


GREEN T	ECHNOLOGY ROAD	DMAP
2011-2015	2016-2020 2	021-2025
10 th MP	> 11 th MP	> 12 th MP
•Public awareness •Recognition of Green products/services thru labelling/rating	•Green procurement •Larger local market share and adoption of GT in regional markets	 Inculcate GT in M'sian culture Reduce overall resource consumption
•Increased FDI & DDI in GT manufacturing/	•Increased Green products	•Reduce energy consumption
services sectors •Expansion of RD&I activities towards commercialisation of GT	•Increased commercialisation of GT from local RIs and IHLs	•Improve M'sia ranking in environmental rankings
	•Expansion to global market	•Major producer of GT in global market •International
	•Expansion of GT to all economic sectors	collaboration of RIs and GT industries
Source: Ministry of Energy, Green Technology a	nd Water, Malaysia	







CATEGORY	GORY PROJECTS (Undertaken by SIRIM LCA team)	
Database & Impact Assessment	 Material Flow Analysis of Major Raw Materials and Resources for Malaysia Survey of LCI Process Flows & Data Available in Established Foreign Databases and Literature 	
Agro Industry	 Development of LCI for the Production of Crude Palm Oil Development of LCI for the Production of Natural Rubber Latex LCI for biodiesel 	
Petroleum Petrochemical and Plastic	 Development of LCI for Polyethlyene Production Development of LCI for Crude Oil LCI for production of Natural Gas LCI for Natural gas products (methane, ethane , propane) LCI for production of Diesel LCI for production of Butanol LCI for production of ethylene and co-products LCI for production of HDPE LCI for production of PVC 	
Electrical and Electronic	15. LCI Studies on Electronic Ballast 16. Establishment of LCI for an Integrated Circuit Product 17. LCI for Printed Circuit Board	

	II PROGRESS OF LCA IN MALAYS
Chemical	18. Survey of LCI for Urea 19. LCI for Ammonia Production 20. LCI for Sulphuric acid 21. LCI for Alum
Heavy Industry	 22. Development of LCI for Cement Production 23. Development of LCI for Crude Steel 24. Development of LCI for hot briquetted iron 25. Development of Hot-rolled long products 26. Development of Cold-rolled long products 27. Development of LCI for Primary Aluminium Production 28. LCI for Gold plated Sheet
Utilities and services	29. Development of LCI for Electricity 30. Development of LCI for Water Supply 31. Development of LCI for Transport Sector
General Consumer Goods	32. Development of LCI for Corrugated Packaging33. LCI for Collection of Recycled Paper34. LCI for Air conditioner35. LCI for Batik Industry36. LCI for vacuum cleaner37. LCI for shower bottle38. LCI for Trim Scuff Plate39. LCI for plastic film products40. LCI for plastic pellet
Waste Management	41. LCI for solid mgt by RDF

CATEGORY	PROJECTS (Undertaken by IHLs)
Agro-industry	 LCA on fro the Production of Biodiesel from Palm Oil and Jatropha Oil LCA of Crude Palm Oil Production in Malaysia
Electric & Electronics	3. LCA in E&E sector in Malaysia; A case study of ballast
General Consumer Goods	 LCA on Food and Beverages of Selected Food Outlets LCA in Potable Water Production LCA in the water treatment process in Malaysia: An Environmental Impact Comparison between Water Source quality and Climate
Waste Management	 Assessment of Solid Waste Management in Malaysia using LCA LCA on Plastic Recycling; comparison between raw and recycled plastic materials LCA of Waste Management (A case study of Refuse Derived Fuel)
Transportation	10. LCA for transportation sector: A Comparison of Perodua and Proton Vehicles

