

# 研究报告

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國立中山大學圖書館

圖書部

圖書資訊學院

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# Research Report

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April 23, 2020

## Improving Financial Services for Green Technology Development

Research Center for Green Finance Development

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**Abstract:** Green development is expected to become a more important new driver for sustainable and high-quality growth in the coming decades.

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green technology innovation capability and the resulting high costs of green products and services. To accelerate green technology innovations, it is necessary to address a series of financing problems faced by green technology companies. In this report, we propose a series of reforms to develop a new financial services system to support green tech innovation. The new system will be featured by: (1) multi-tier financial services, including the stock market, PE/VC funds, venture loans, guarantee and insurance mechanisms, to solve the problem of overreliance on bank financing which does not have the right risk appetite; (2) government support and incentives, including incubation, guarantees, interest subsidies, to reduce the financing costs and risk premiums of green technology

companies; (3) funding sources with longer-term investment horizon to align with the development cycles of green technologies; (4) an enabling environment including green tech taxonomies and standards for estimating and disclosing environmental benefits, application of digital technologies to improve the quality of green verification and reduce evaluation costs.







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<sup>2</sup> 2019  
<http://www.tanpaifang.com/tanguwen/2019/1224/67190.html>

<sup>3</sup> [J].  
,2016,18(04):23-31.

<sup>4</sup> [J]. ,2016,29(04):4-7.

<sup>5</sup> LOW CARBON ENVIRONMENTAL GOODS AND SERVICES (LCEGS) Report for 2011/12, UK Government Department for Business Innovation & Skills, 2013 7  
[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/224068/bis-13-p143-low-carbon-and-environmental-goods-and-services-report-2011-12.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/224068/bis-13-p143-low-carbon-and-environmental-goods-and-services-report-2011-12.pdf)



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<sup>7</sup> 2018 VC/PE 2018 8  
<http://www.investorscn.com/2018/08/01/76319/>

<sup>8</sup> ? = = 4 A-

20 Sustainable Finance Study Group, International Finance Corporation, 2018,  
[https://www.ifc.org/wps/wcm/connect/topics\\_ext\\_content/ifc\\_external\\_corporate\\_site/sustainability-at-](https://www.ifc.org/wps/wcm/connect/topics_ext_content/ifc_external_corporate_site/sustainability-at-)

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<sup>1</sup> Basel Committee on Banking Supervision, "Basel III: Finalising Post-crisis Reforms" BIS December 2 17

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11		10%	10%	100		10		250%	
	10%	100			25	100			25
	75							5%	75
	3.75						10-3.75	/25 = 25%	



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PE/VC

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