



推动低碳技术投资

Facilitating Climate Technology Investments

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Investment

01 湖南的低碳发展 Low Carbon Development in Hunan



The GDP reached CNY 2.2 trillion, an average annual growth of 13.3%, ranking national top ten for five consecutive years. GDP达到2.2万亿，五年来持续排名全国前十之列。

In the past five years, Hunan has promoted the construction of “Two-Oriented Society” (TOS) and New Four Modernizations (NFM).

五年来湖南一直走两型四化的发展道路

1. 低碳发展条件

condition of low carbon development

– 平衡经济发展和应对气候变化

– To balance of economy development and climate change

– 发展阶段决定排放情况

– The characteristics of economic development stage decide that be a quite long period of intensive and high carbon emission.

– 化石能源的基础地位

– the dominance of fossil energy structure

2. 基础工作

Strengthen the basic work

– 出台了《湖南省“十二五”控制温室气体排放工作方案》和中期规划

– Enact the working plan to control the GHG emission in the Twelfth-Five Year Plan and the mid-term planning.

– 编制温室气体排放清单

– Develop the GHG emission inventory

– 编制完成《湖南省十大清洁低碳技术推广实施方案》

– Promote the development of Clean & Low Carbon Techs

– 将“十二五”碳强度下降指标分解到各市州

– Distribute the carbon intensity reduction target to the city government.

3. 低碳试点 Low-Carbon Pilot

- 湖南省已启动省内的低碳试点项目，共包括5个城市、3个园区、1个景区、8家企业。
Hunan has recently launch its own low carbon pilot program, including 5 city, 3 industrial park, 1 scenery area and 8 enterprises.
- 低碳试点所要开展的主要工作包括：建立温室气体排放数据统计核算和报告制度、组织实施一批重大低碳项目、扩大舆论宣传。
The main tasks include set up the GHG accounting and reporting system, initiate s serial of key projects, and enhance the propaganda.
- 低碳试点将成为湖南低碳发展的重要抓手以及国际合作的重点领域。
The pilot program will be the key measure to achieve low carbon development and the main area of international cooperation.

02 低碳经济发展中心的作用 Function o

作为湖南省首家低碳领域的非营利公益智库组织，今年六月由省发改委批准成立。

NPO thinking tank in low-carbon field in Hunan

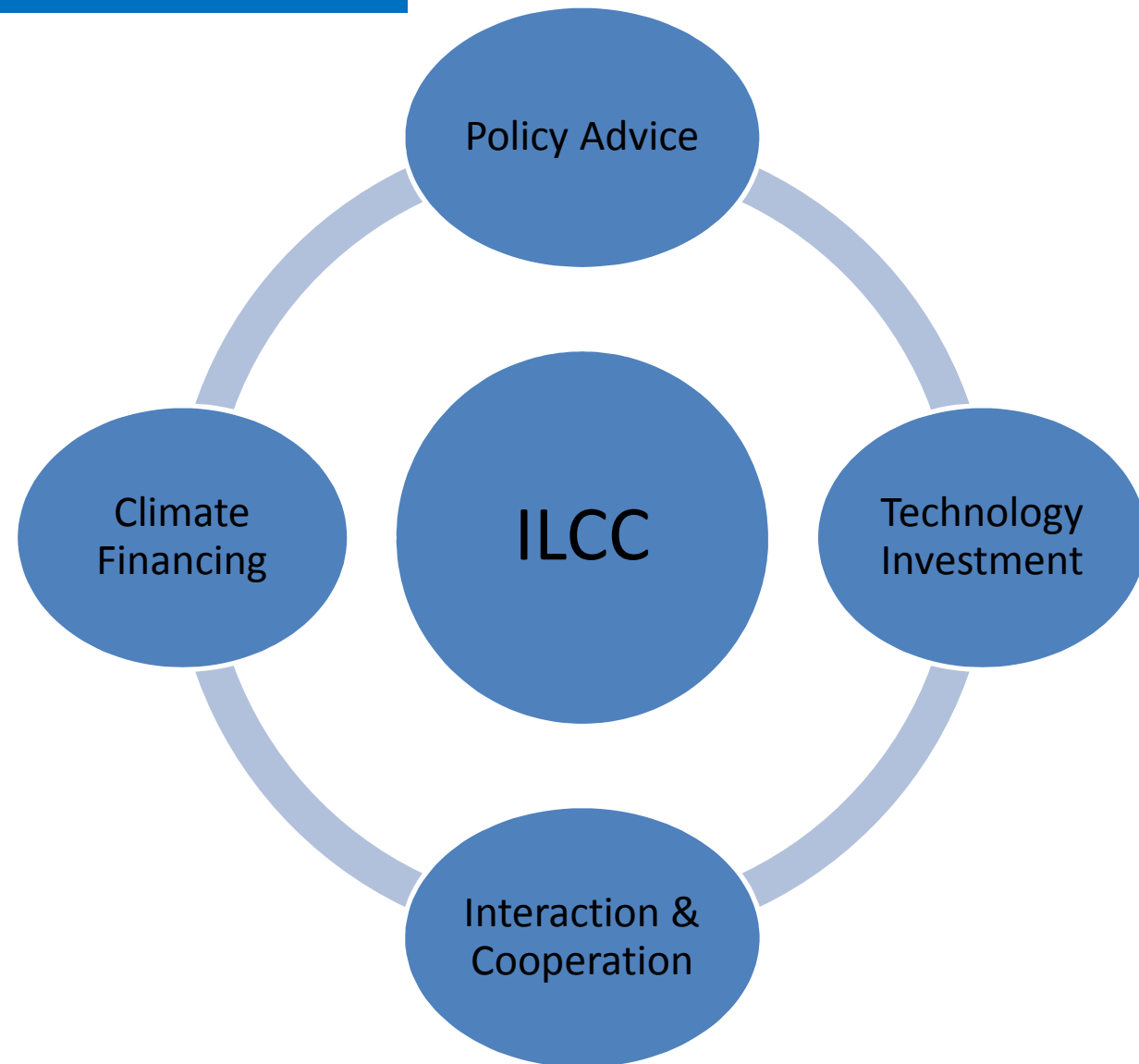
打破传统咨询模式的壁垒，提供全新的独特顾问服务模式。

To change the traditional consulting modeling.

低碳转型杠杆：咨询+实施。

Provides Low Carbon development leverage:

Consulting with Implementation



03 推进气候技术投资 Mobilizing Climate-tech Inve

政策和制度
Policy and
institutiona
l conditions



产业和金融
Industry and
financial
conditions

	Sub category	Details
Policy and institutional conditions	Plans and targets developed through inclusive participatory processes	assessments to identify least-cost energy options
		engaging civil society & private sector in energy planning process
		developing low-carbon energy plans integrated into development goal
	Regulatory instruments	
	Institutional organization and capacity to implement policies effectively	establishing institutions coordinating committees
		building the capacity of government in policy areas
		supporting public access to information
		building the capacity of civil
	Economic instruments	
	Laws supporting investment	developing or reforming laws in line with national plans
		engaging civil society and the private sector in designing laws
communicating new laws to industry and consumers		

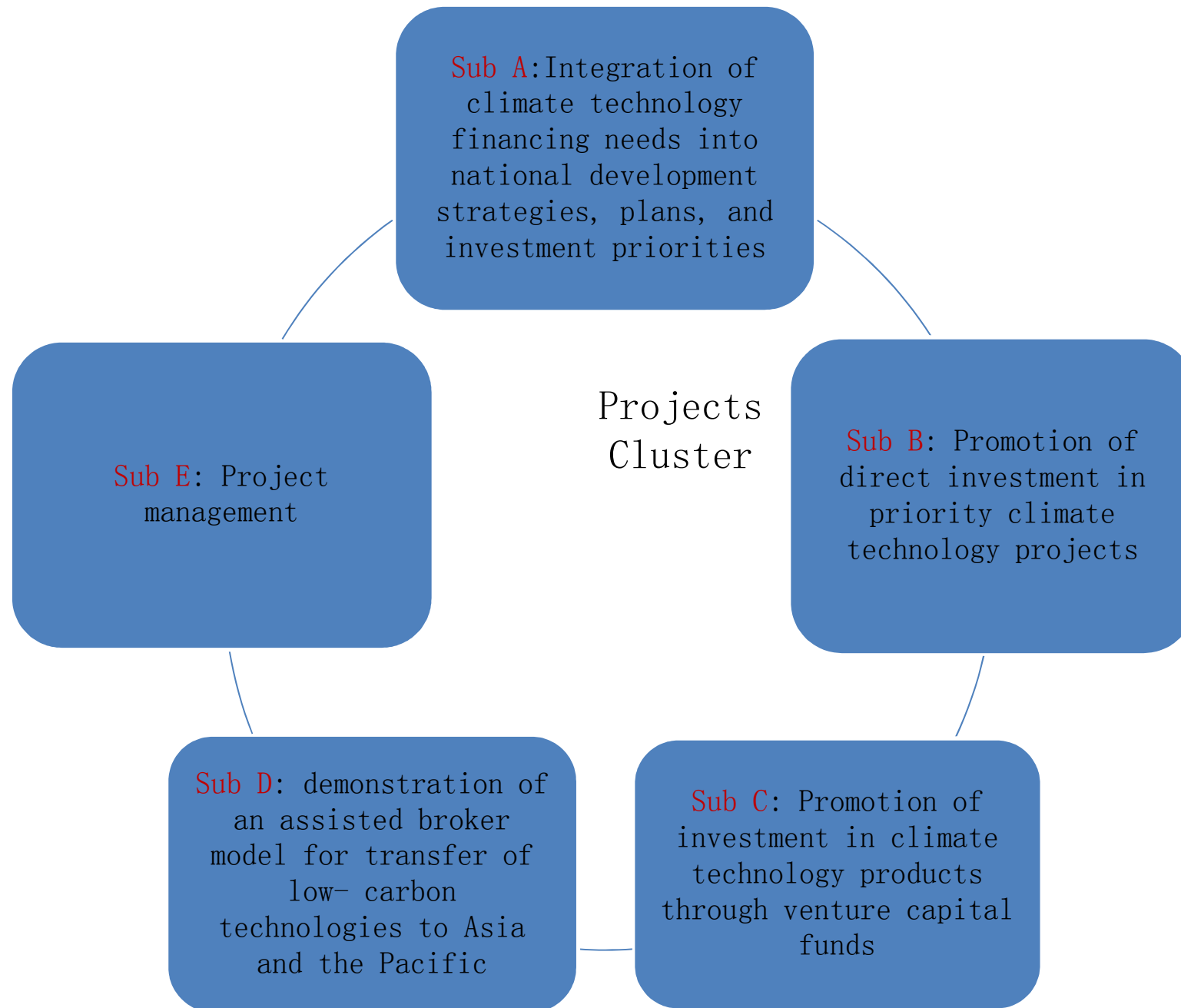
	Sub category	Details
Industry and financial conditions	Project developer' s capacity to develop bankable projects	Capacity building and special training
		support for project conceptualization and technical design
		environmental and social impact assessments; stakeholder consultations
	Engineering capacity	
	Knowledge of resource availability	resource assessments of renewable energy potential at different level
		awareness campaigns and work-shops to provide information
	Presence of a support industry and enabling infrastructure	
	Stable financial sector	
Financial sector capacity for supporting low-carbon energy		

04亚行合作项目 ADB Project in Hunan

The technical assistance(TA) will seek to pilot a center that will help coordinate assistance in Asia and the Pacific to accelerate the development and deployment of climate change mitigation and adaptation technologies.

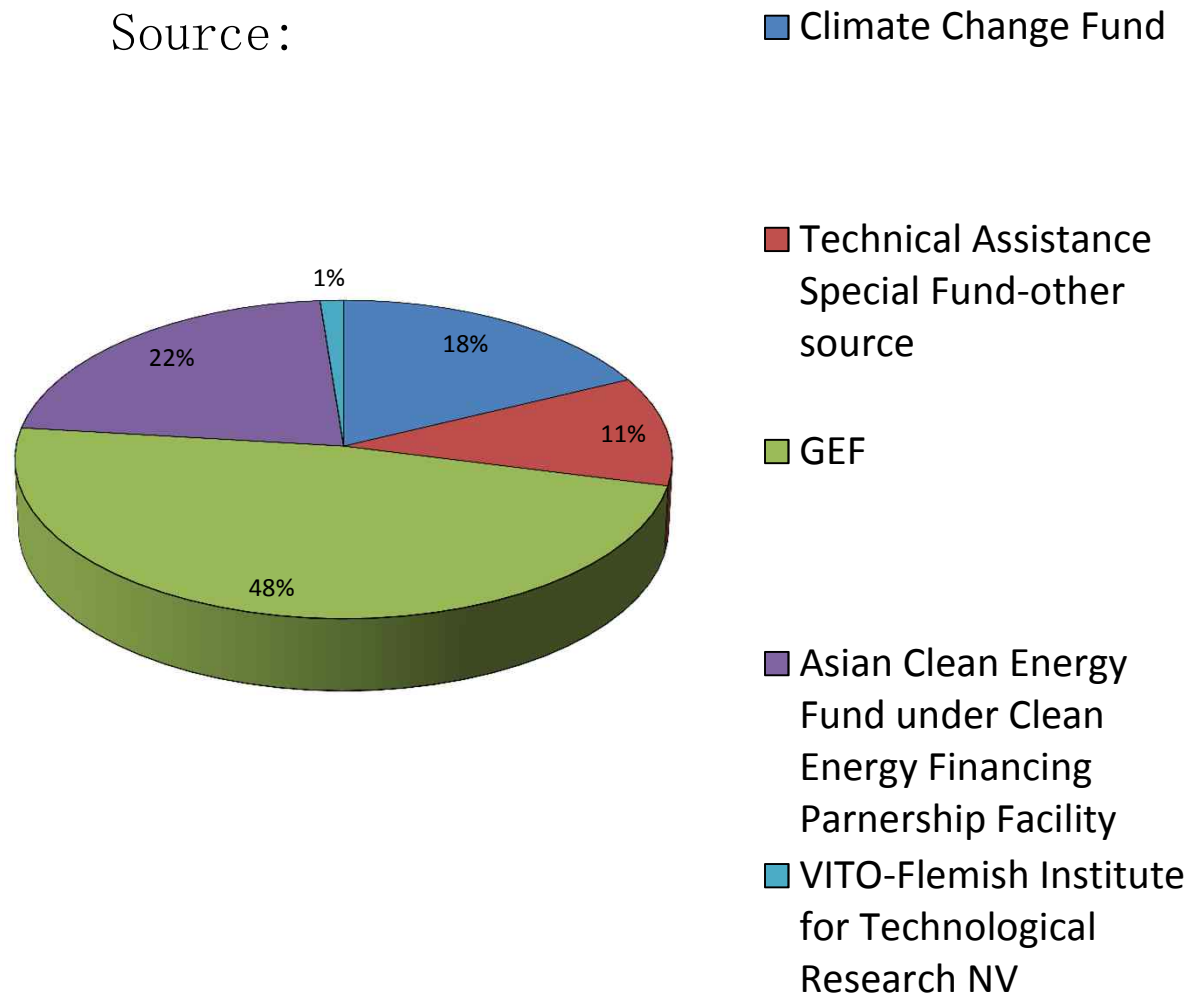
The project will be undertaken jointly with the UNEP and other partners, with funding support expected from the GEF and other sources.

The TA is implemented in the form of [projects cluster](#).



Project	Fund (\$)
Sub A	1, 500, 000
Sub B	1, 000, 000
Sub C	6, 692, 000
Sub D	6, 500, 000
Sub E	300, 000
Total	15, 992, 000

Source:



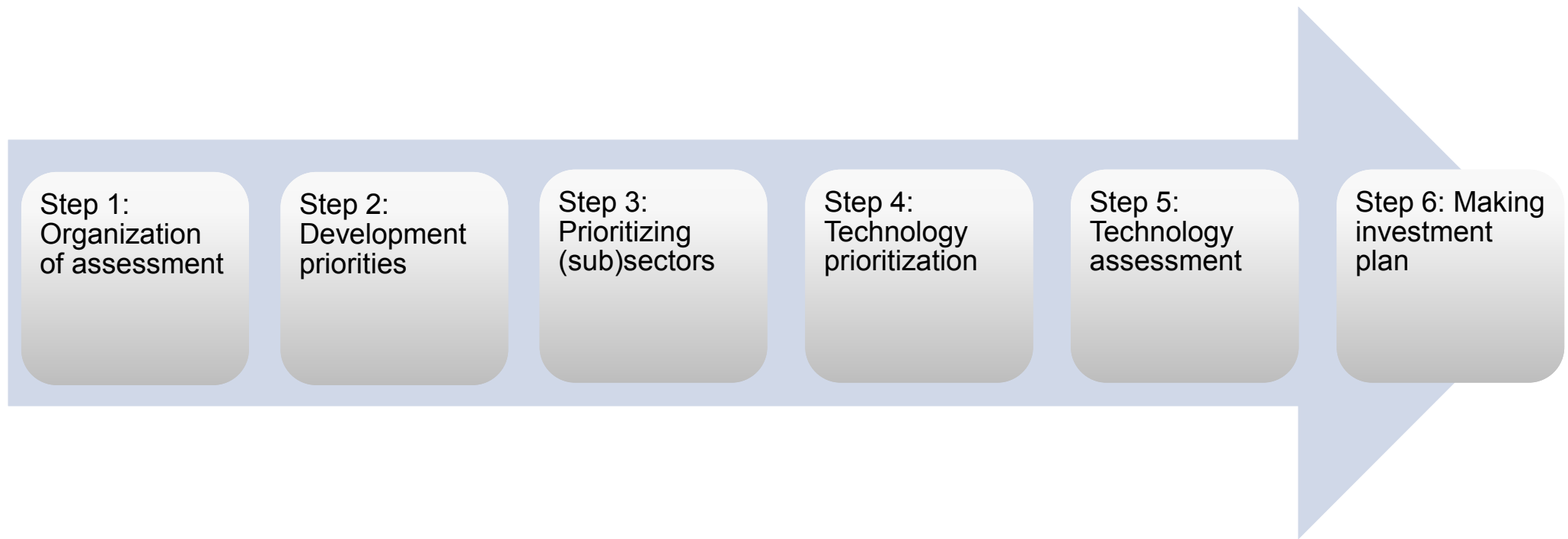
Description of Sub A

Sub A will provide expert services to incorporate climate technology considerations into the ADB country partnership strategy (CPS) and country operation business plan (COBP) processes and national or sub-national development plans, with the aim of bridging climate technology-related gaps and opportunities identified by environment and other line agencies, and investment programs coordinated by economic and planning ministries. Sub A will also promote the consideration of climate technology transfer and diffusion in national development planning and policymaking, which will help DMCs access international funding, including the UNFCCC' s Green Climate Fund.

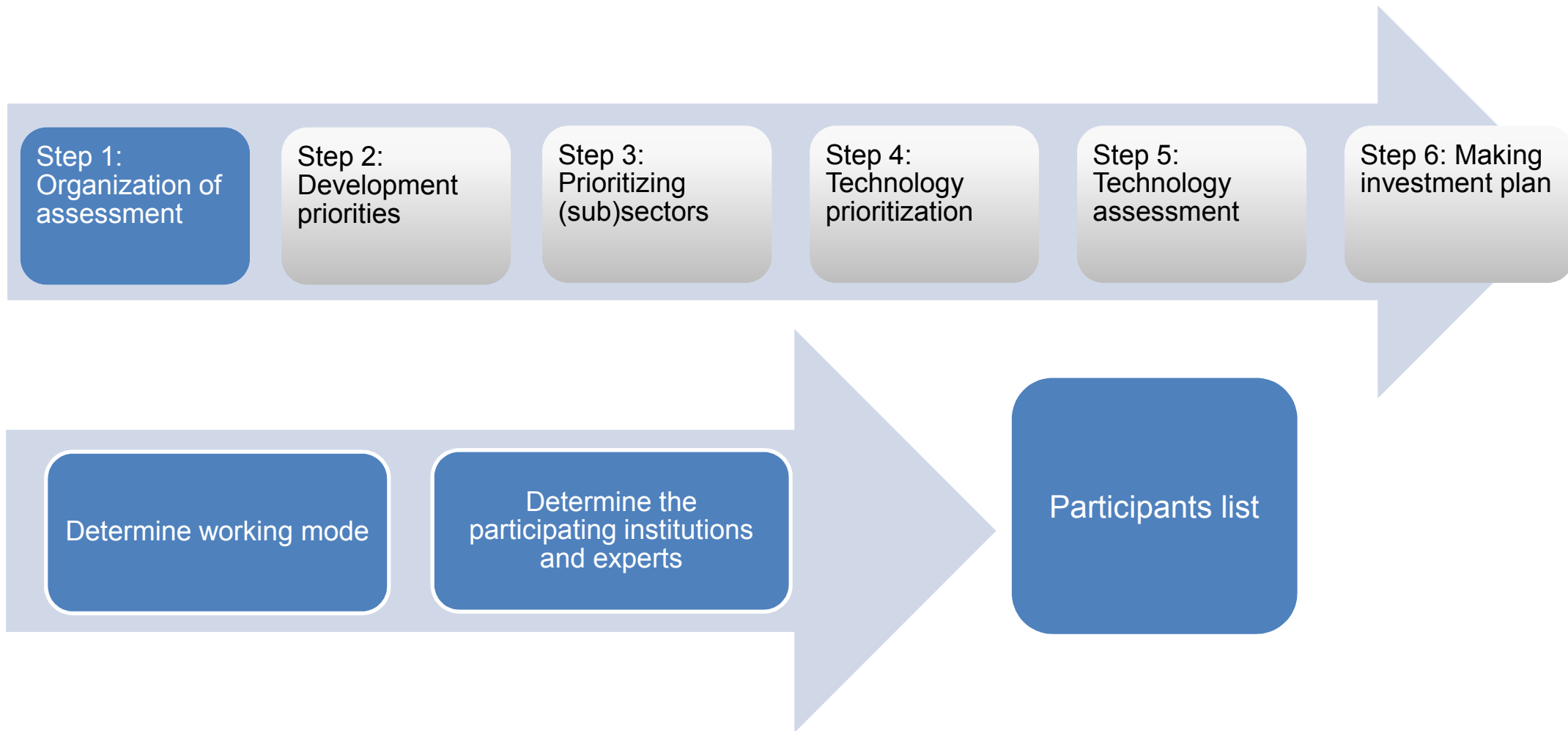
In the People' s Republic of China (PRC), TA 8109 works on mainstreaming of climate technologies into the provincial development planning in Ningxia Hui Autonomous Region (Ningxia) and Hunan Province (Hunan).

Procedure of Sub A

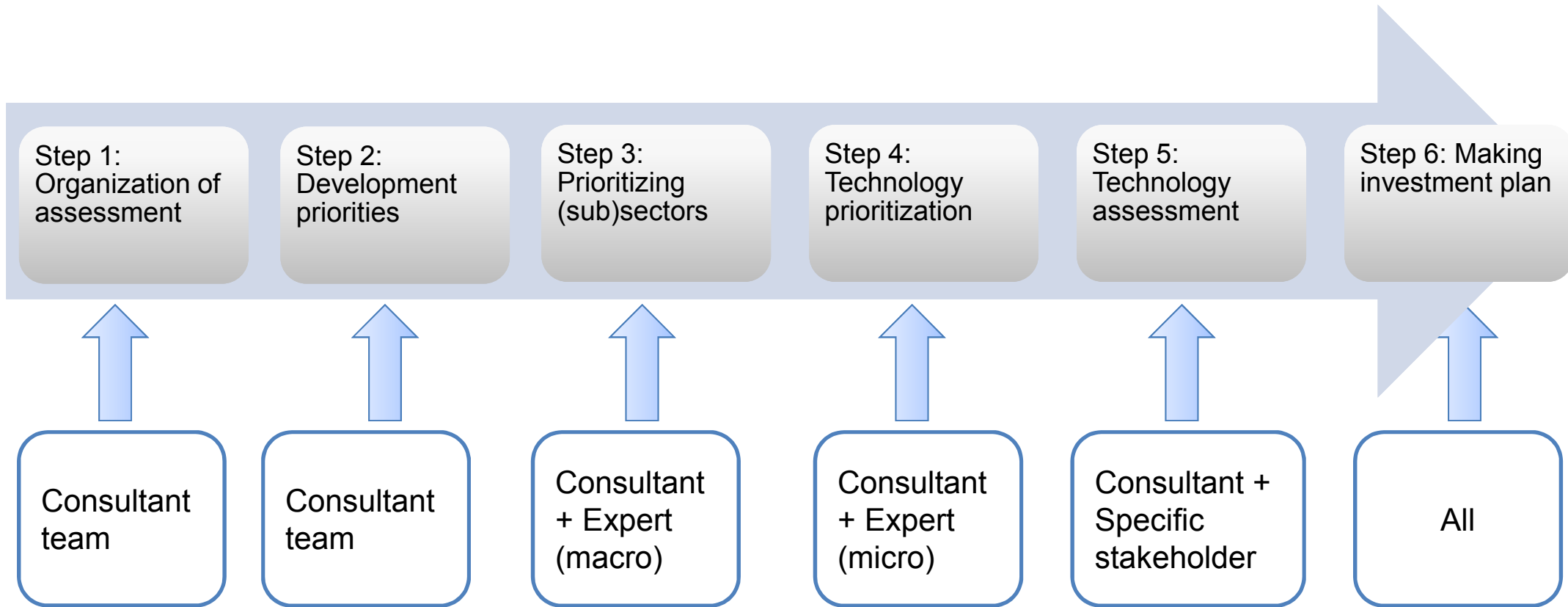
Overview Procedure for Technology Financing Needs Assessments



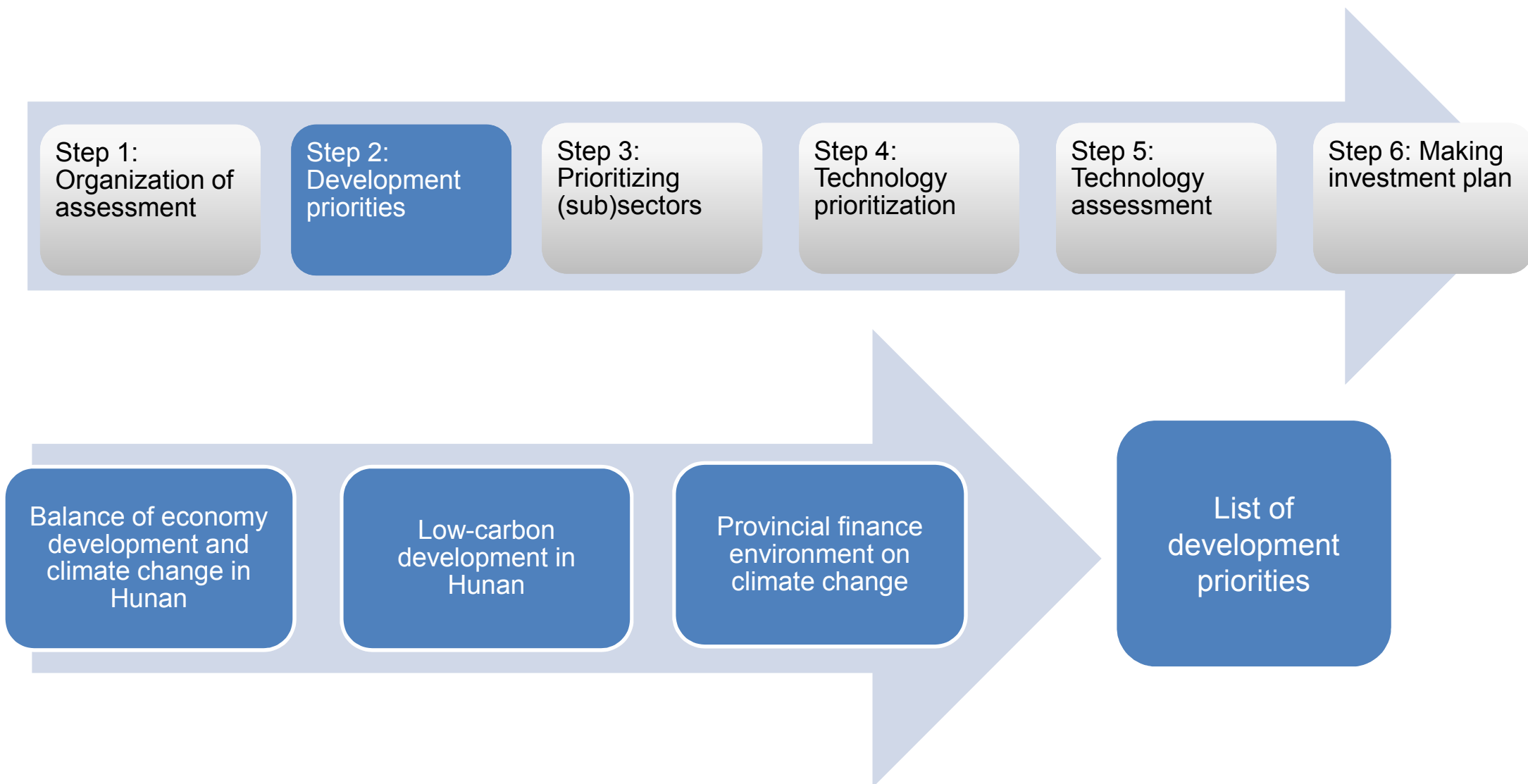
Overview of the organization of Technology Financing Needs Assessments



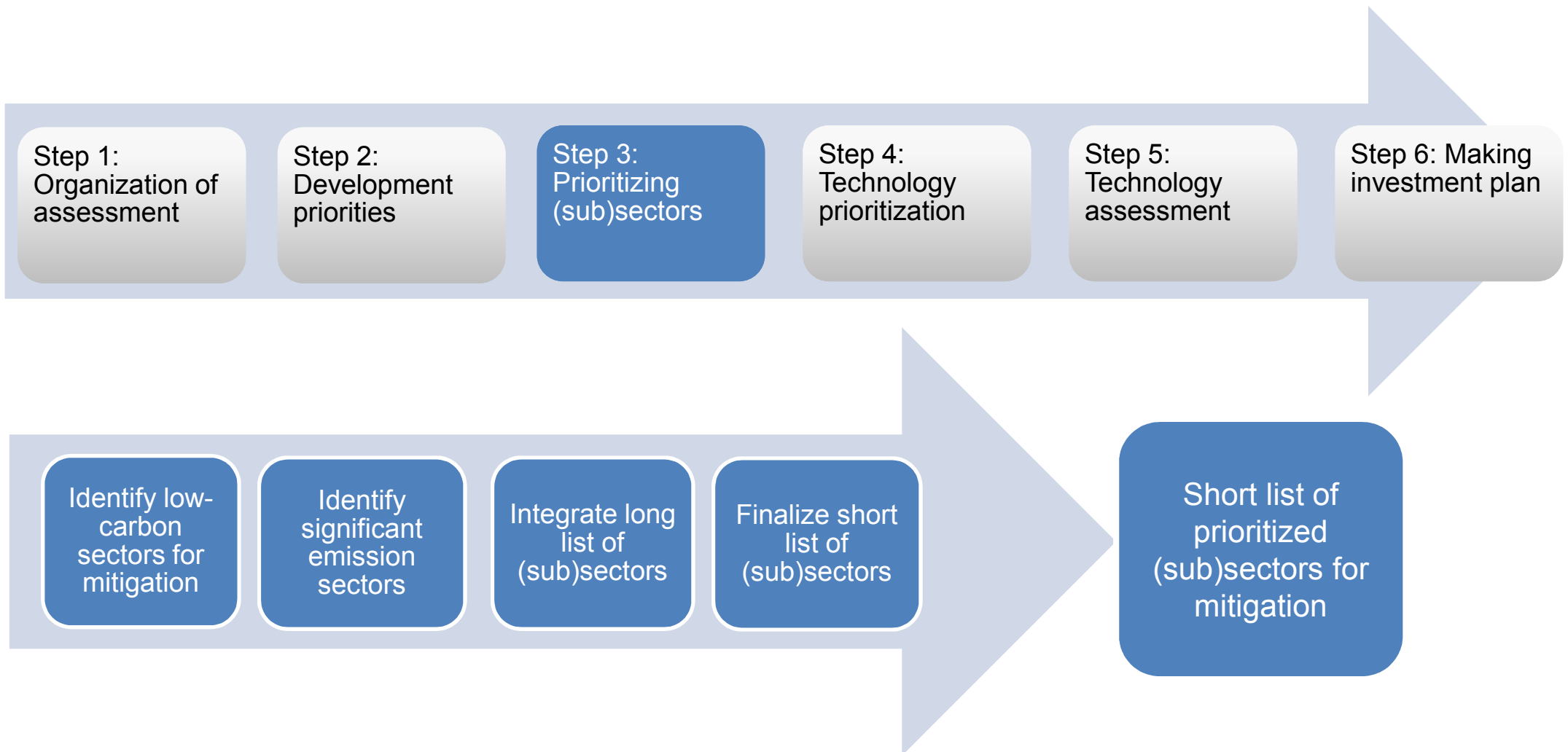
Steps Assigned for Relevant Role



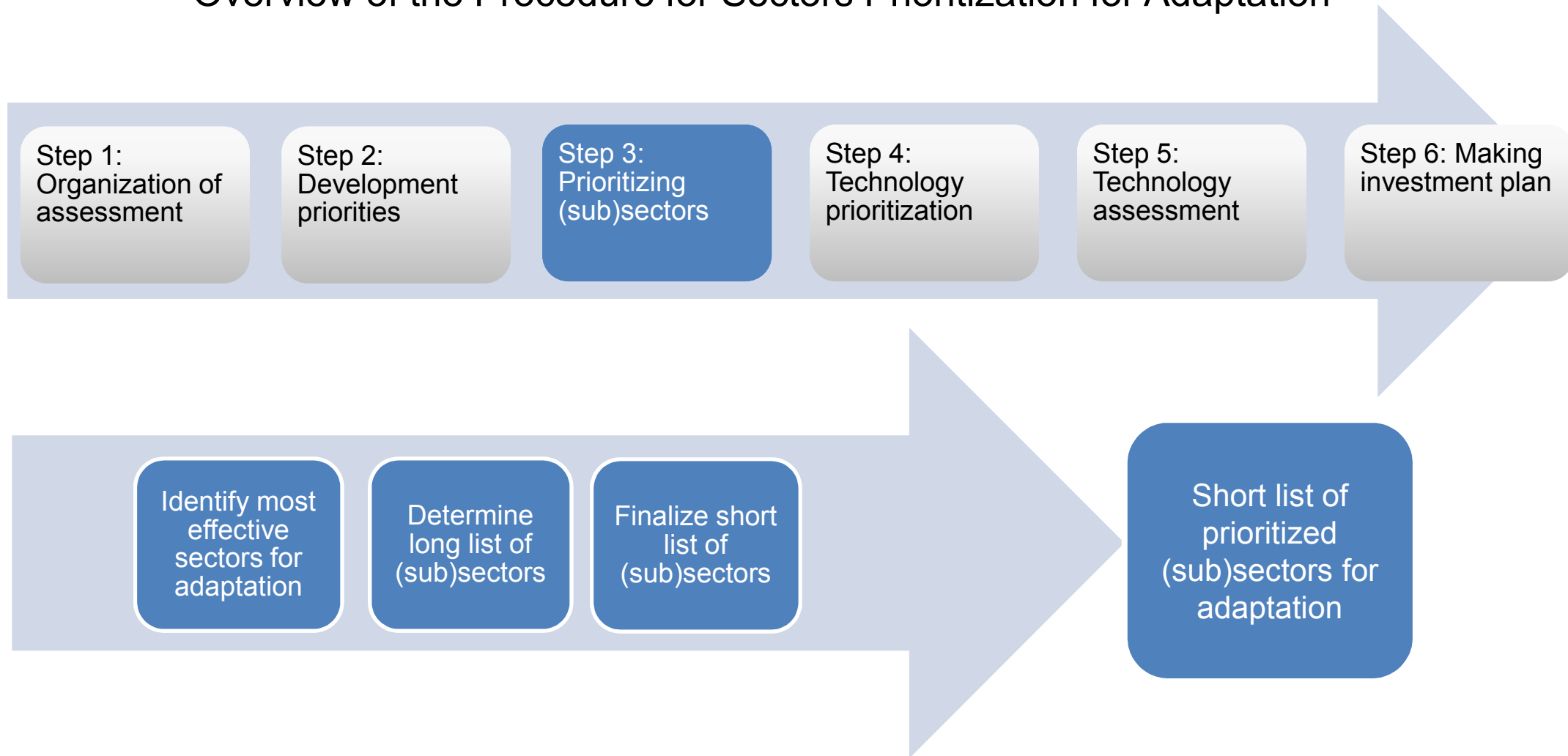
Overview of the Procedure for Development Priority Identification



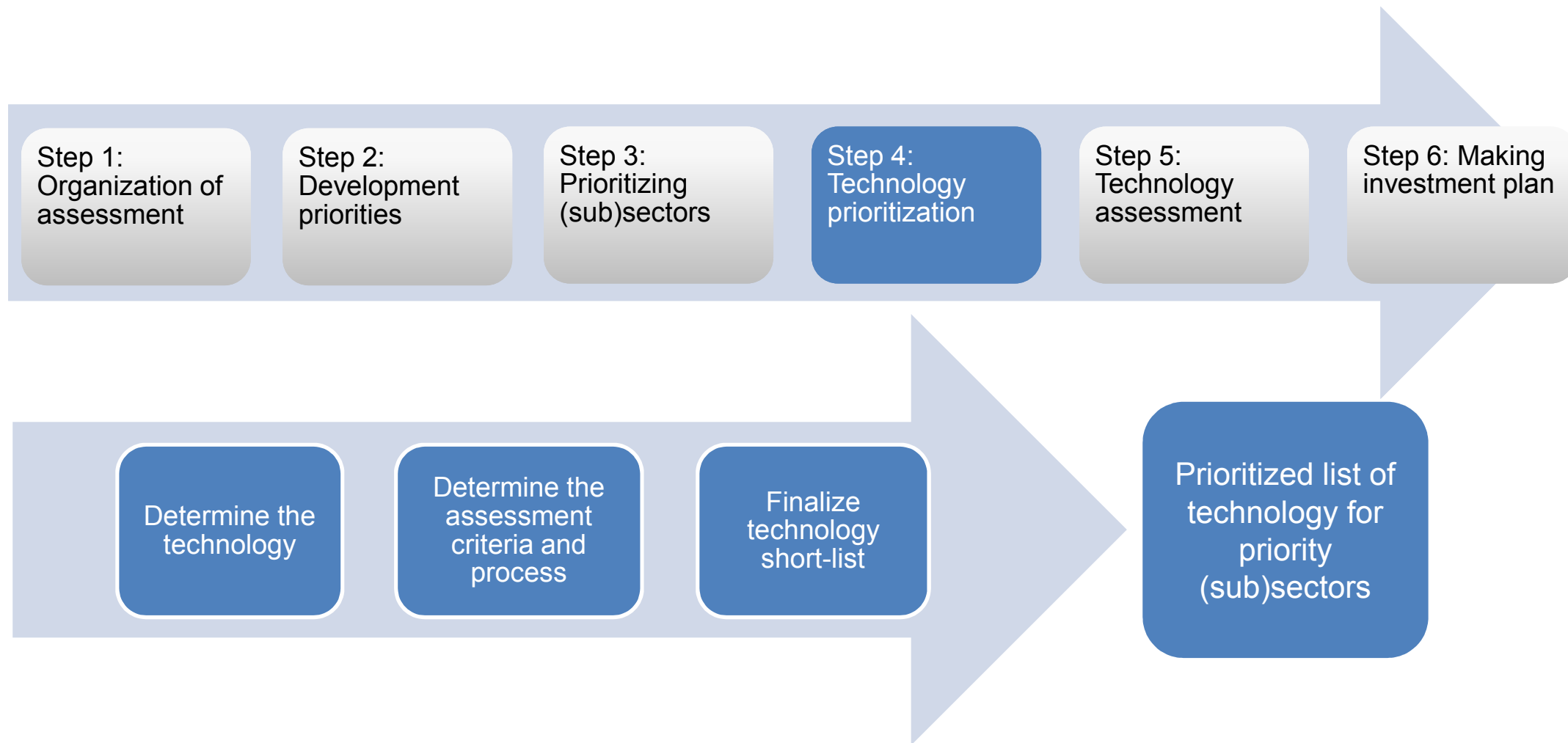
Overview of the Procedure for Sectors Prioritization for Mitigation



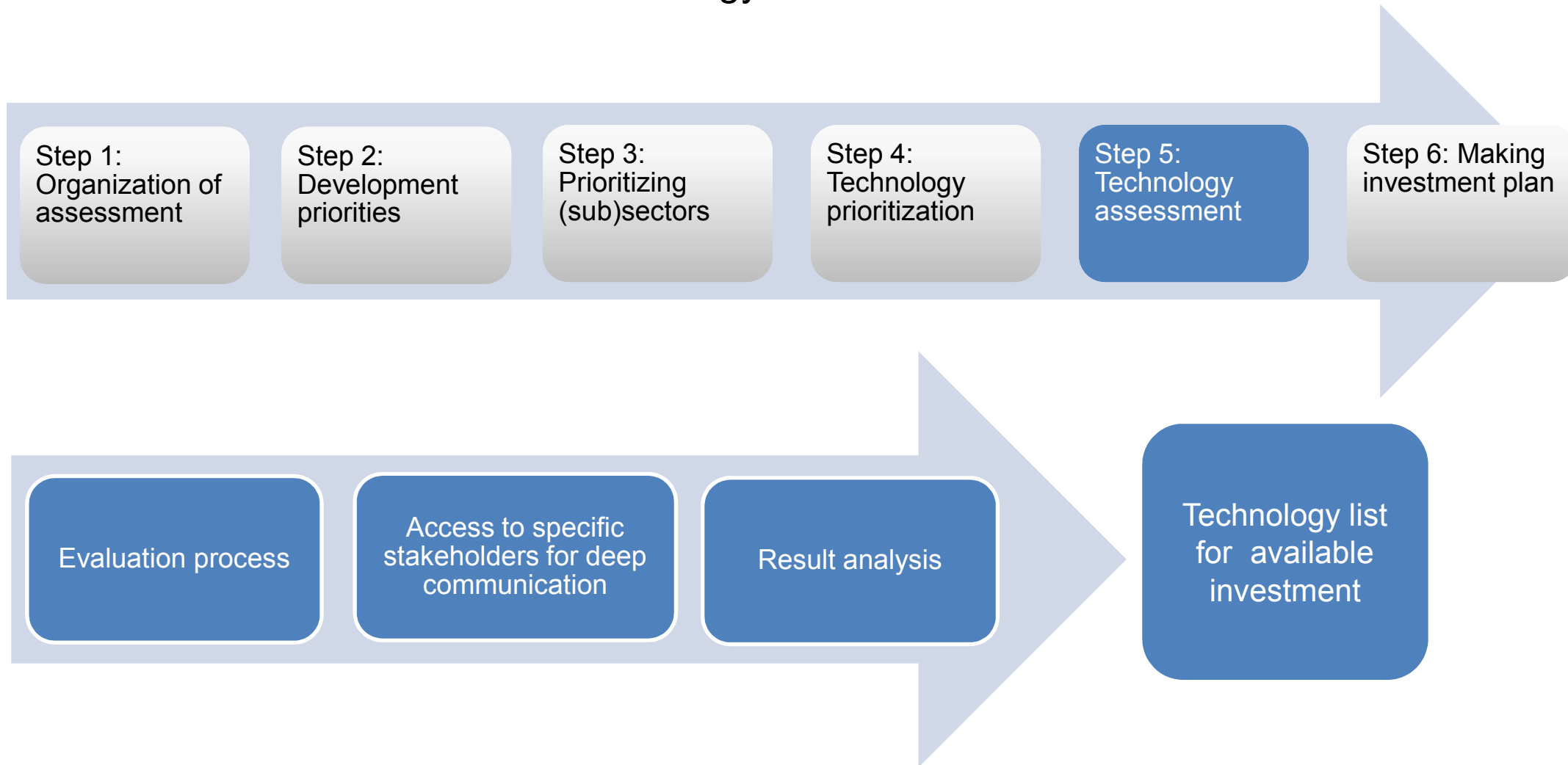
Overview of the Procedure for Sectors Prioritization for Adaptation



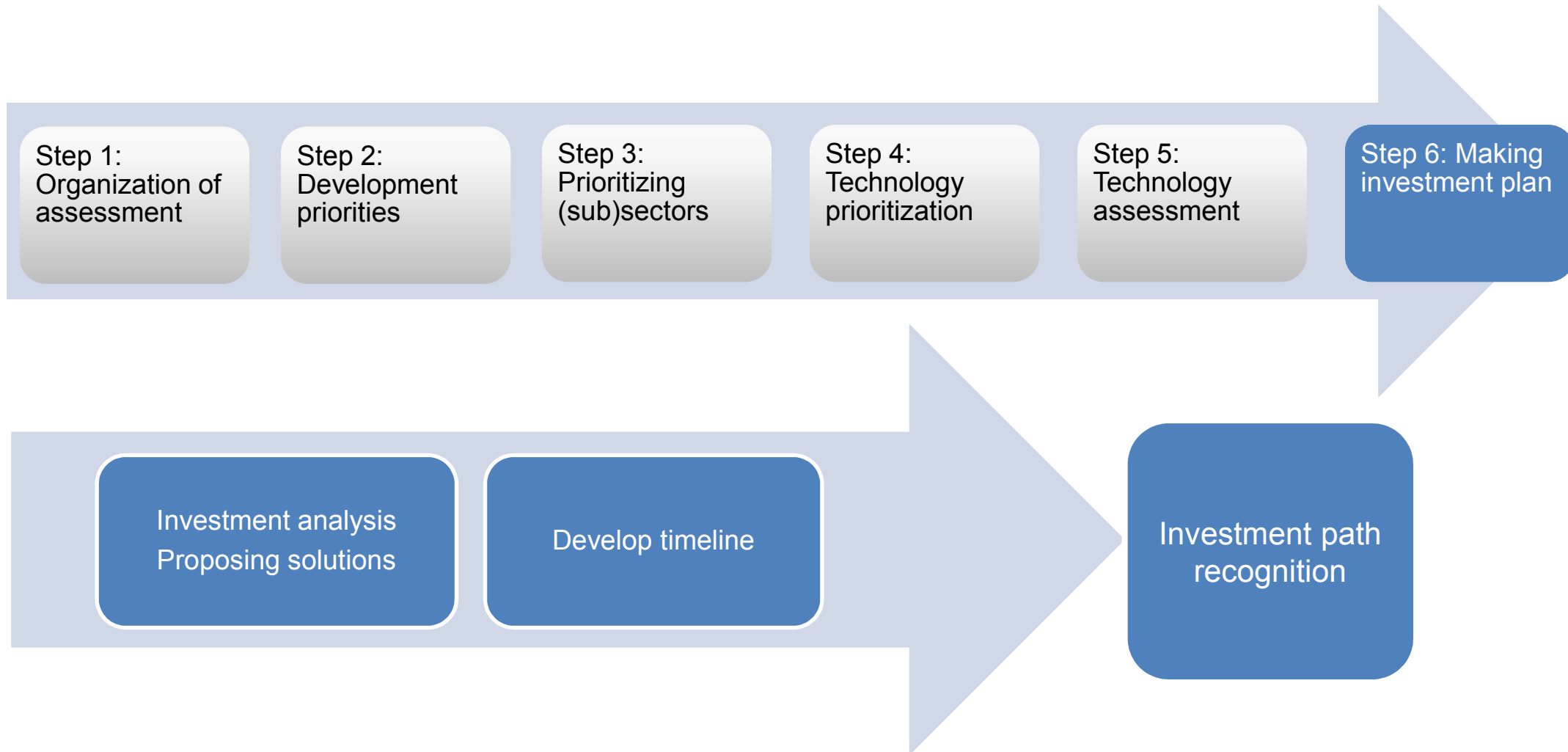
Overview of the Procedure for Technology Prioritization



Overview of the Procedure for Technology Assessment

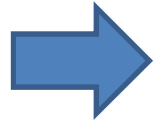


Overview of the Procedure for Making Investment Plan



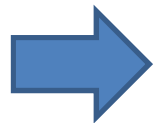
Status

List of low carbon technologies



Work with other sub projects

- Sub B: supporting the use of clean energy and climate resilient technologies in ADB pipeline investment projects.
- Sub C: advisory support to selected VC funds



Work with local government

- Reflection in consistent provincial policy and programme.
- Proper activities: Demonstration projects and low carbon incubator



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Innovative Low Carbon Center , Hunan

www.lowcarbonhn.org