

Flow charts of actors and competencies

Goal:

Identify actors with the capability to set up a carbon database for a specific area or pilot country

Key roles in database implementation

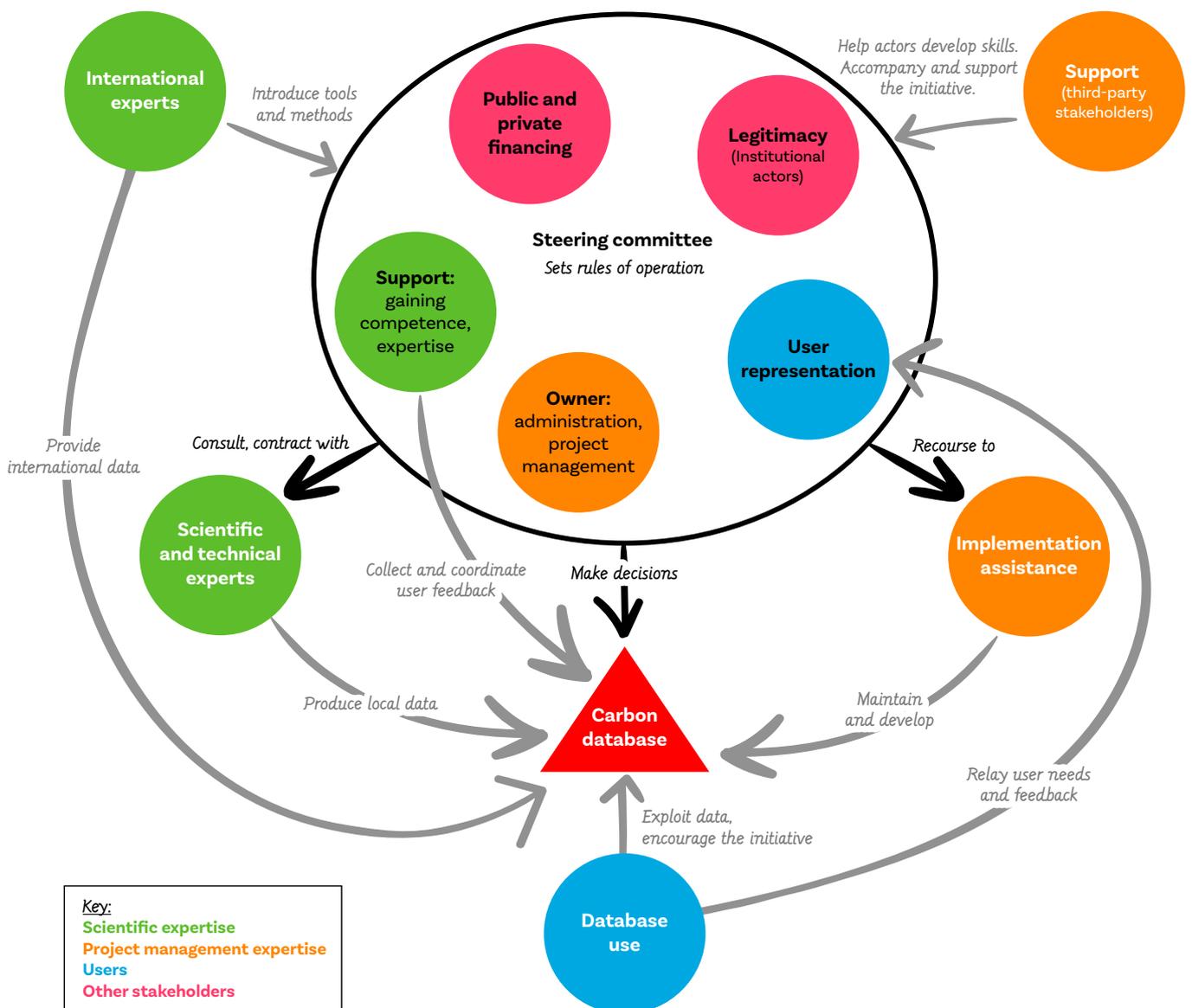


Table: Actors and competencies required for deployment of a national/regional carbon database

Theoretical roles	Areas of competence	Activities	Potential actors	Advantages/ Drawbacks
<p>Ownership</p> <p>Entity with recognized leadership status, involved in energy and climate issues, environment and/or sustainable development work.</p> <p>The project owner has a strategic vision for deploying the carbon database.</p>	- Legitimacy in terms of knowledge, impartiality and background that is relevant to the database initiative and missions	<ul style="list-style-type: none"> - Bring together actors to focus on emission estimations and the low carbon transition - Provide data to build the carbon database (emission factors, studies, etc) - Manage and develop the carbon database 		
	- Technical competence concerning the low carbon transition (trajectories, adaptation, etc)			
	- Technical competence in the creation of scientific databases			
	<ul style="list-style-type: none"> - Financial resources for long-term project support (assistance and maintenance services, etc) - Capacity to manage a project with multiple partners - Human resources assigned to the project for a long period (person. days to be allocated) 			
<p>Support</p> <p>Actor with technical expertise to help participants acquire skills needed to coordinate the carbon database</p>	<ul style="list-style-type: none"> - Knowledge of carbon accounting topics - Work with organizations and users 	<ul style="list-style-type: none"> - Communicate and publicize database use and results, hold events to promote the database - Answer requests related to database use and objectives - Manage a community - Work with actors to expand their competencies 		
<p>Institutional actors</p> <p>Key government ministries – energy, transport, environment, etc</p> <p>UNFCCC National Focal Points</p>	<ul style="list-style-type: none"> - Institutional backing for sectors covered by the carbon database - Mandate to develop and implement public GHG emission reduction policy 	<ul style="list-style-type: none"> - Commission studies to produce data and build the database - Foster emergence of a low carbon transition strategy - Provide institutional backing for the carbon database via participation in the steering committee 		



Theoretical roles	Areas of competence	Activities	Potential actors	Advantages/ Drawbacks
Financing National (public) subsidies, green/climate funds, regional and international financing mechanisms	<ul style="list-style-type: none"> - Financing via equity funds or dedicated budget line items - Partnerships 	<ul style="list-style-type: none"> - Finance database management and maintenance 		
Scientific and technical experts Regional/national statistics offices and data repositories	<ul style="list-style-type: none"> - Life cycle assessment/ inventory - Statistics - Calculation of activity data and/or GHG emissions 	<ul style="list-style-type: none"> - Supply data for emission factor (EF) calculations - Recalculate data from other databases or literature to produce EFs - Identify data sources for EF calculations 		
User representation Business sector federations and representatives, nonprofit groups	<ul style="list-style-type: none"> - Representatives of different categories of users 	<ul style="list-style-type: none"> - Relay user needs and feedback, on occasion contribute EFs to database 		
Third-party stakeholders	<ul style="list-style-type: none"> - Knowledge of local actors - Communication to the general public on environmental issues and sustainable development - Capacity to lead and coordinate a group - Expertise in carbon accounting and stakes for the international community - Creation of methods and tools 	<ul style="list-style-type: none"> - Work with and train actors on energy and climate transition issues 		
International experts Actors qualified in quantitative assessment and reporting of GHG emissions, with knowledge of international standards (ISO, etc) and prepared to share their experience	<ul style="list-style-type: none"> - Development of methods and tools - Capacity to train local actors 	<ul style="list-style-type: none"> - Help local participants expand their competencies - Provide advice on carbon accounting - Contribute international data (generic EFs) 		

