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US and Canada Biochar Protocol

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Climate Action Reserve

Climate Action Reserve

MISSION: To develop, promote and support innovative, credible market-based climate change solutions that benefit economies, ecosystems, and society.

Operate as registry for compliance (CA and WA) and voluntary markets



Establishes regulatory-quality standards for carbon offset projects in transparent, public process



Reviews project documents and oversees the listing, verification, and registration of projects



Issues credits and tracks the transaction of credits in a public registry



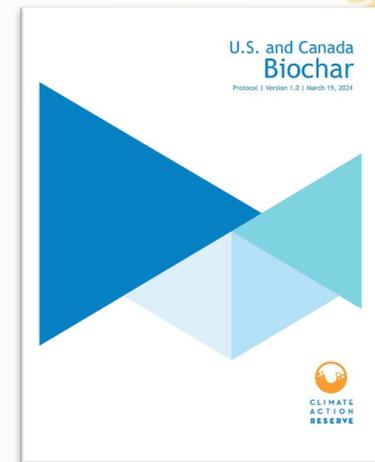
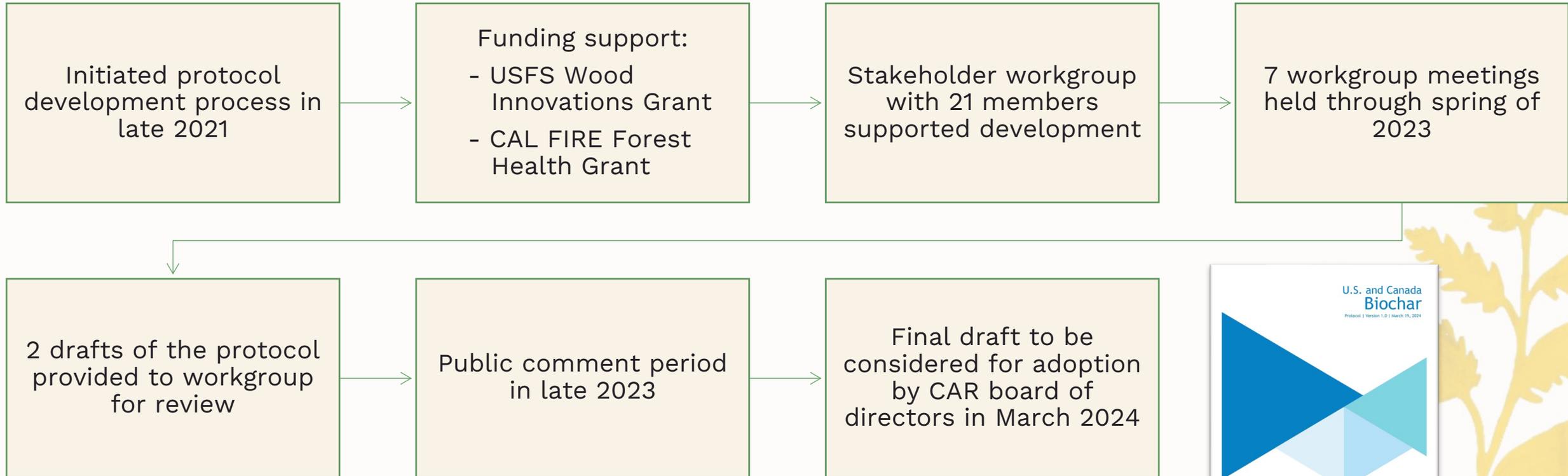
Creates tools, guidance resources, and trainings for stakeholders



US and Canada Biochar Protocol History



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Biochar Protocol Applicability



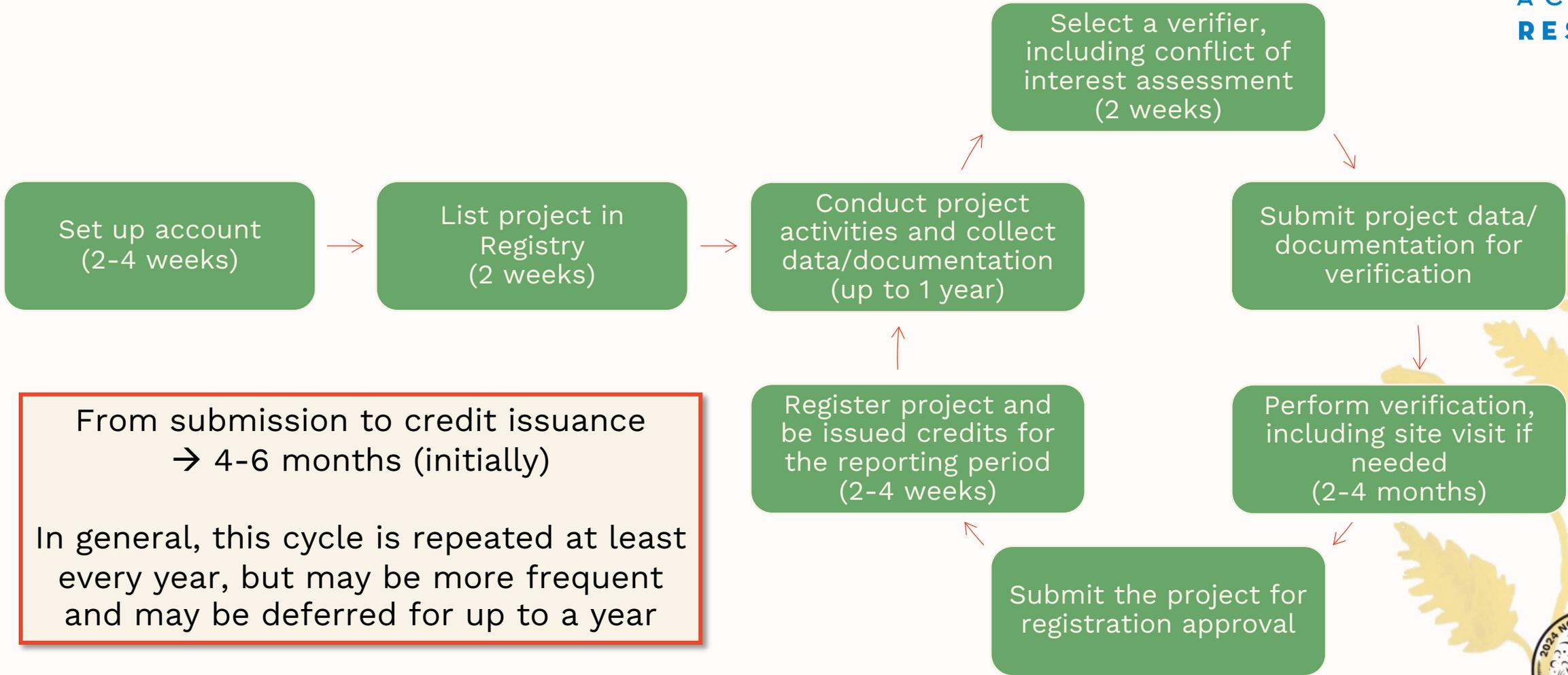
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Location	<ul style="list-style-type: none">• US and Canada
Project Ownership	<ul style="list-style-type: none">• Biochar producer by default, but can be transferred via written agreement
Crediting Period	<ul style="list-style-type: none">• 10 years, renewable up to 2x
Eligibility	<ul style="list-style-type: none">• Positive lists for feedstocks and end uses, with environmental safeguards• No specific biochar production technology limits• Demonstration of biochar quality through laboratory analyses<ul style="list-style-type: none">• $H:C_{org} < 0.7$• Contaminant limits, relying largely on legal limits• Organic contaminant testing also required• Project activities:<ul style="list-style-type: none">• Can't be legally required• Must comply with relevant legal requirements
Potential for stacking with other C project types	<ul style="list-style-type: none">• Soil enrichment• Forest fuel reduction treatments





Project Registration Process



From submission to credit issuance
→ 4-6 months (initially)

In general, this cycle is repeated at least every year, but may be more frequent and may be deferred for up to a year



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