

Sprint	Date (2025)	Goal	Subtasks	Deliverable	Notes
Sprint 1	June 2–15	Conduct literature review and frame VIA/LCA context	Review literature on GIS + LCA/VIA; Evaluate key paper; Note visual analysis needs	Literature summary and project context outlined	Sets theoretical foundation for project scope
Sprint 2	June 16–29	Draft proposal, research data sources, and mock UI	Draft proposal; Study OSM mechanics; Research elevation data; Create UI mockups	Project proposal complete; design mockups prepared	Ensure realistic goals and dataset access
Sprint 3	June 30–July 6	Build base map in Leaflet and load initial datasets	Set up Leaflet map; Load listed buildings + trees; Add error handling; Basic UI	Interactive base map functional; datasets visualised	Foundation for all later visual tools
Sprint 4	July 7–13	Compare renderers and move to MapLibre GL JS	Test MapLibre, Cesium, Deck.gl; Compare renderers; Choose MapLibre GL; Begin migration	Renderer chosen and integrated with base map	Supports smoother rendering and scalability
Sprint 5	July 14–20	Integrate VIA/LCA datasets (e.g. land use, zoning, tree cover)	Add tree data, zoning, contours; Clean and normalise formats; Ensure visual clarity	Platform displays landscape data relevant to VIA/LCA	Main content layer for landscape analysis
Sprint 6	July 21–27	Implement elevation profile tool and scenario toggles	Load DEM; Create draw-to-profile tool; Add tree scenario toggle in UI	Elevation profile and scenario toggle working in UI	Key for visual impact assessment scenarios
Sprint 7	July 28–Aug 3	Build viewpoint/photo markers and optional viewshed tool	Add 'Drop Viewpoint' tool; Link popup photos; Research basic viewshed methods	Perception and viewpoint tools available in map	Adds human-perception element to analysis
Sprint 8	Aug 4–10	Conduct usability testing and collect feedback	Create test plan; Recruit participants or simulate tasks; Log and analyse feedback	Usability findings collected and synthesised	Inform future improvements and assess usability
Sprint 9	Aug 11–14	Refine tool and write evaluation section	Implement feedback-based improvements; Write evaluation analysis; Final edits	Platform refined; evaluation written into corpus	Finalise structure and critical reflection
Sprint 10 (Final)	Aug 15	Submit corpus and final platform	Final proofread; Prepare figures/screenshots; Submit before deadline	Submission of report and working web map	Deadline: Aug 15 — no new features added