

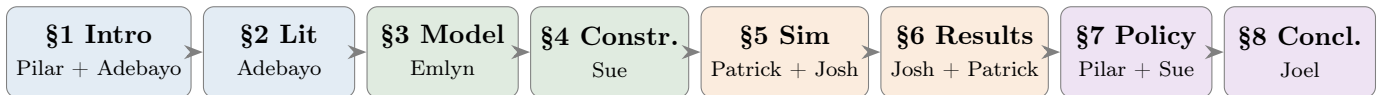
Compute Permit Markets under Imperfect Monitoring

Roadmap: From Kickoff to Draft Paper

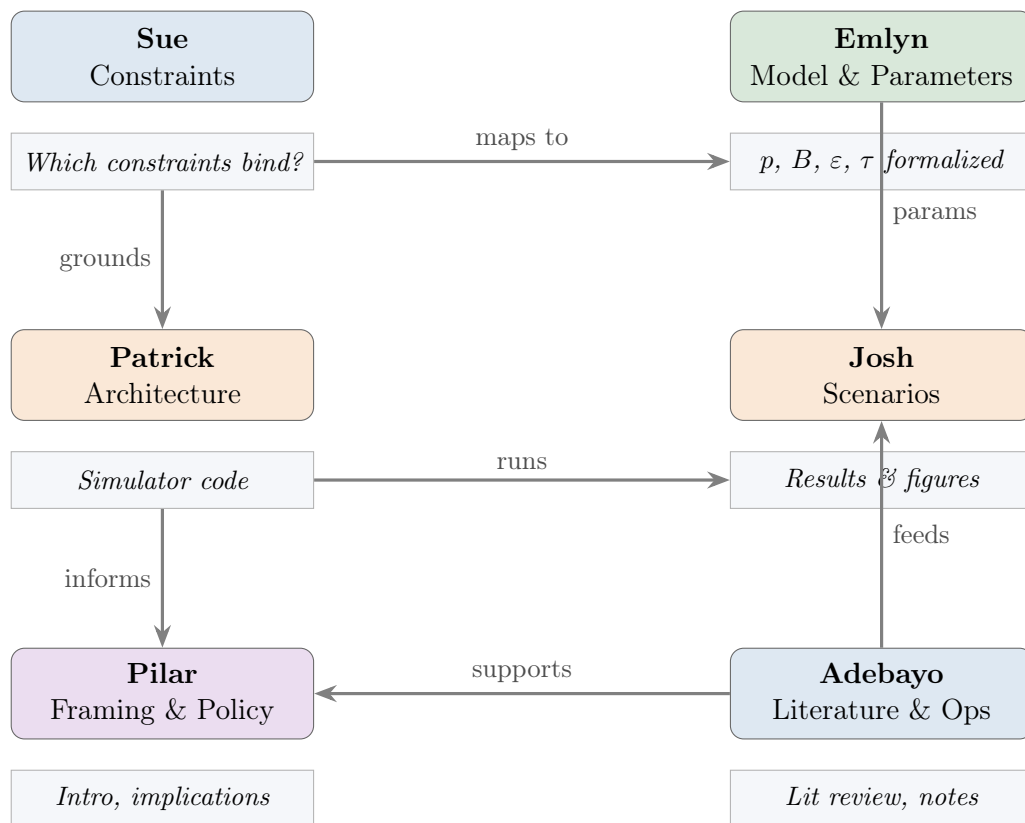
AISC 2026 · Joel Christoph & Jonas Kgomo · v2.3 · 22 January 2026

Target Paper Structure

The final deliverable is a **15-20 page policy-oriented working paper**. Each section has a primary owner (writes first draft) and a contributor (provides inputs, reviews).



How the Work Connects



Abbreviations: § = Section · Lit = Literature Review · Constr. = Constraints · Sim = Simulation · Concl. = Conclusion · Ops = Operations

14-Week Schedule: Who Does What, When

Legend: Foundation Model & Build Run & Write Integrate & Polish

Week	Sue	Emlyn	Patrick	Josh	Pilar	Adebayo
1 Jan 15	List 5 EU ETS constraints	Read Duffo; note audit params	Sketch modules	List 3-5 scenarios	Identify stakeholders 3-5	Set up tracking; start lit notes
2 Jan 22	Map constraints → variables	Formalize $pB \geq q$ model	Draft architecture doc	Define param values	Stakeholder questions	Lit summary: 5 papers
3 Jan 29	Apart Sprint (Jan 30-Feb 1): Emlyn, Patrick, Josh expressed interest; others welcome if available					
4 Feb 5	Prioritize top 3 constraints	Add backchecks, noise model	Core modules working	Run baseline scenario	Draft intro (1 page)	Expand lit review (3 pp)
5 Feb 12	Write §4 draft	Write §3 draft	Add market module	Run 2 more scenarios	Review §3-4 clarity	Support §2 drafting
6 Feb 19	Review Emlyn's §3	Review Sue's §4	Debugging + tests	Parameter sensitivity	Refine framing	Finish §2 draft
7 Feb 26	Add firm-type analysis	Firm-specific $p(\alpha)$	Integrate firm types	Firm-type scenarios	Map results → users	Cross-check lit
8 Mar 5	Revise §4 with results	Revise §3 with results	Dashboard / viz	Generate all figures	Draft §7 (policy)	Format references
9 Mar 12	Support §7 writing	Final refinements	Code cleanup + docs	Write §6 draft	Revise §7 with input	Full draft assembly
10 Mar 19	Full Draft Circulated: Everyone reads entire paper; prepares comments					
11 Mar 26	Revise §4	Revise §3	Address code feedback	Revise §6	Revise §1, §7	Revise §2
12 Apr 2	Policy realism check	Robustness check	Final sim runs	Final figures	Exec summary (1 pp)	Proofread + format
13 Apr 9	Integration Week: Joel assembles final draft; team reviews; last revisions					
14 Apr 16	Final Polish: Submit by Apr 19; prep presentation for Apr 24-27					

Abbreviations: EU ETS = European Union Emissions Trading System · params = parameters · pp = pages · viz = visualization · docs = documentation · Exec = Executive

Key Milestones & Deadlines



Jan 30-Feb 1: Apart Sprint

- **Expressed interest:** Emlyn, Patrick, Josh
- **If available:** Sue, Pilar, Adebayo
- Goal: Lock model spec; build simulator MVP

Feb 19: Model & Simulator Complete

- Theoretical model complete (§3)
- Constraints section drafted (§4)
- Simulator runs baseline scenarios

Mar 12: Full Draft Circulated

- All 8 sections have first drafts
- Figures and tables included
- Everyone reads and comments

Apr 19: Submission (AISC Deadline)

- Final 15-20 page paper
- Clean code repository
- Executive summary for policymakers

Workload Balance

Each team member contributes roughly **5-8 hours/week**. Primary responsibilities:

- **Sue:** §4 (Constraints), 4 pages; review §3, §7
- **Emlyn:** §3 (Model), 4 pages; review §4, §6
- **Patrick:** §5 (Simulation), 3 pages; code + docs
- **Josh:** §6 (Results), 4 pages; all figures
- **Pilar:** §1 (Intro) + §7 (Policy), 4 pages total
- **Adebayo:** §2 (Literature), 3 pages; meeting notes

Joel integrates all sections, writes §8 (Conclusion), and handles final assembly. Jonas advises throughout.

Collaboration Principles

Handoff Protocol

1. Upload to Drive by Thursday end of day
2. Tag recipient in Slack with one-line summary
3. Recipient confirms receipt within 24 hours

Paired Reviews

- Sue ↔ Emlyn (constraints ↔ model)
- Patrick ↔ Josh (code ↔ scenarios)
- Pilar ↔ Adebayo (framing ↔ literature)

Weekly Sync (Thursday 13:00 UTC)

- 5 min: Blockers & decisions
- 10 min: Progress vs. schedule
- 10 min: Cross-team coordination
- 5 min: Next week's priorities

If You're Stuck or Behind

- Post in Slack immediately; do not wait
- We can reassign tasks or adjust scope
- Better to flag early than miss a milestone

Pending Decisions

Decision	Options	Owner	Decide By
Firm typology	Which personas? (Frontier, Threshold, etc.)	Emlyn + Sue	Jan 29
Simulator language	Python vs. Julia vs. other	Patrick	Jan 29
Policy memo audience	US? EU? International?	Pilar	Feb 5

One rule: If this roadmap ever conflicts with producing a good paper, update the roadmap, not the paper.

Questions? Post in #09_compute_permit_markets.