

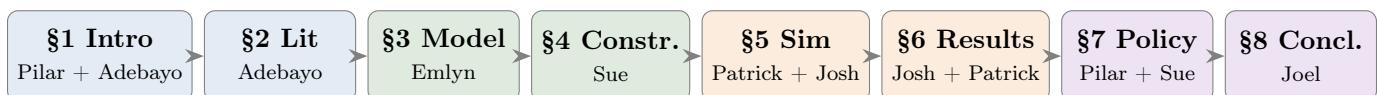
# Compute Permit Markets under Imperfect Monitoring

Roadmap: From Kickoff to Draft Paper

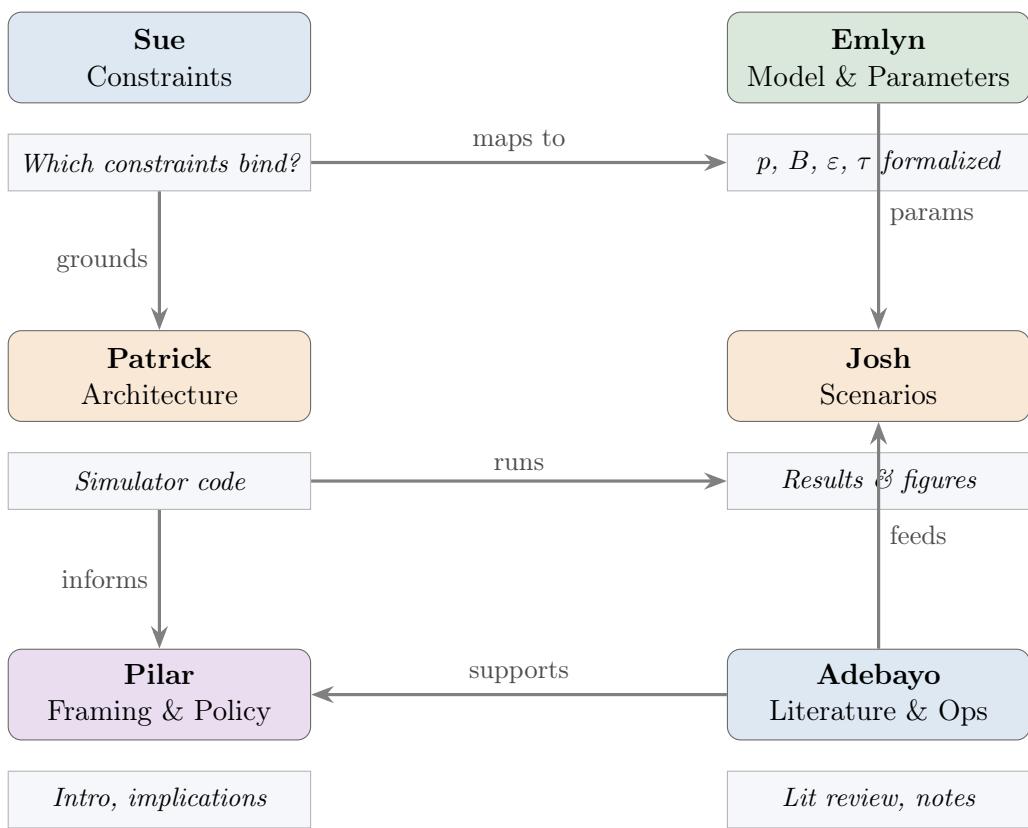
AISC 2026 · Joel Christoph & Jonas Kgommo · v2.3 · 22 January 2026

## 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 Duflo; note audit params	Sketch modules	List 3-5 scenarios	Identify 3-5 stakeholders	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	<b>Apart Sprint (Jan 30-Feb 1):</b> 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	<b>Full Draft Circulated:</b> 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	<b>Integration Week:</b> Joel assembles final draft; team reviews; last revisions					
14 Apr 16	<b>Final Polish:</b> 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.