

IEMBER E-M Studio - Entity Relationship Diagram

Modules, entities, fields, and cross-module links. Demo / structural reference.

Portfolio spine
Org id, name, type, country
User id, org_id, name, role
Farm id, org_id, name, country, region, hectares, climate_zone
Lot id, farm_id, year, process, volume_kg
ProductSKU id, variant, pack_size, origin_country
RoastBatch id, lot_id, sku_id, date, profile
Lead id, company, country, stage
Deal id, lead_id, value, stage
Order id, deal_id, items, status
Invoice id, order_id, amount, paid_status

Metrics and portfolio
Indicator id, name, framework, unit
Metric id, indicator_id, source_evidence_id, value, year
Portfolio id, org_id, theme
ProofPack id, portfolio_id, audience, status

Evidence layer
EvidenceItem id, farm_id, type, verification_status, created_at
EvidenceFile id, evidence_item_id, mime_type, hash
ConsentRecord id, evidence_item_id, confirmed, note
Claim id, statement, confidence, verification_status
Verification id, claim_id, method, verifier, status
RegenerationProject id, title, country, stage, practices

Designer module
FarmDesign id, farm_id, intent, system_path
Zone id, farm_design_id, label, hectares
CropChoice id, zone_id, crop_code, role
IrrigationPlan id, farm_design_id, source, drip_vs_basin
DRFIScore id, farm_design_id, water, soil, canopy, livelihood
EcosystemServiceEstimate id, farm_design_id, service, value, unit

Capital stack module
CapitalStack id, project_id, currency, total
FundingTranche id, capital_stack_id, type, amount, tenor_months
WorkingCapitalCycle id, project_id, peak_need, cycle_days
ReadinessIndex id, project_id, score, pillars
UnitEconomicsLine id, project_id, label, amount
ProjectionScenario id, project_id, name, years

Systems thinking
Framework id, category, purpose
FrameworkEntity id, framework_id, name
FrameworkRisk id, framework_id, risk, detect

Sanctuary module
Villa id, internal_area, orientation, scenario_variant
Phase id, number, duration_months
CostLine id, category, label, local, hybrid
FFEItem id, villa_id, item, spec
Scenario key, label, swaps
InvestorMetric id, label, value, note

Cross-module relationships

These edges connect modules into a single operating model.

From	Relation	To
Farm	captures	EvidenceItem
RegenerationProject	groups	Farm
EvidenceItem	sources	Metric
Farm	designed as	FarmDesign
RegenerationProject	financed by	CapitalStack
RegenerationProject	cycles	WorkingCapitalCycle
RegenerationProject	scored by	ReadinessIndex
RegenerationProject	models	UnitEconomicsLine
RegenerationProject	projects	ProjectionScenario

Mermaid source available at </documents/iember-erd.mmd>. Interactive view at <iember.studio/#data-model-full>.