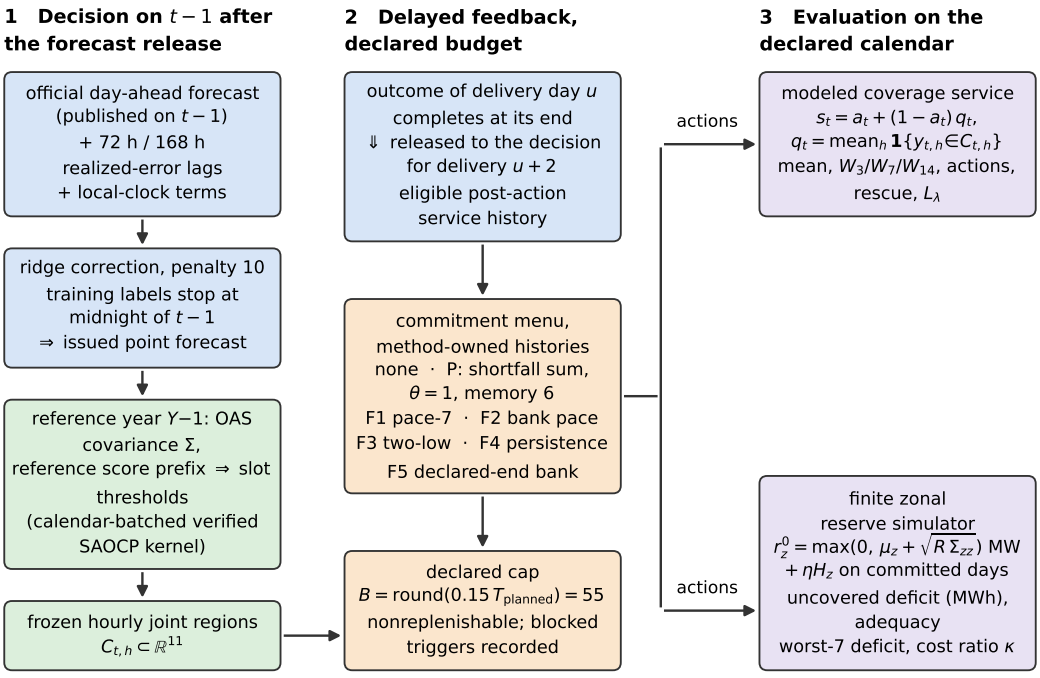

1 Decision on $t-1$ after the forecast release
official day-ahead forecast (published on $t-1$) + 72 h / 168 h realized-error lags + local-clock terms
ridge correction, penalty 10 training labels stop at midnight of $t-1$ ⇒ issued point forecast
reference year $Y-1$: OAS covariance Σ, reference score prefix ⇒ slot thresholds (calendar-batched verified SAOCP kernel)
frozen hourly joint regions $C_{t,h} \subset \mathbb{R}^{11}$
2 Delayed feedback, declared budget
outcome of delivery day u completes at its end ⇓ released to the decision for delivery $u+2$ eligible post-action service history
commitment menu, method-owned histories none · P: shortfall sum, $\theta = 1$, memory 6 F1 pace-7 · F2 bank pace F3 two-low · F4 persistence F5 declared-end bank
declared cap $B = \mathrm{round}(0.15\, T_{\mathrm{planned}}) = 55$ nonreplenishable; blocked triggers recorded
actions
actions
3 Evaluation on the declared calendar
modeled coverage service $s_t = a_t + (1 - a_t)\, q_t$, $q_t = \mathrm{mean}_h\, \mathbf{1}\{y_{t,h} \in C_{t,h}\}$ mean, $W_3/W_7/W_{14}$, actions, rescue, L_λ
finite zonal reserve simulator $r_z^0 = \max(0,\ \mu_z + \sqrt{R\, \Sigma_{zz}})$ MW $+ \eta H_z$ on committed days uncovered deficit (MWh), adequacy worst-7 deficit, cost ratio κ
clock: decision for delivery day t on $t-1$, after the forecast release and before delivery → outcome of t completes at the end of t → first eligible for the decision for delivery $t+2$