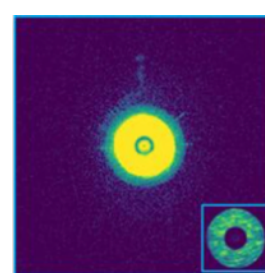
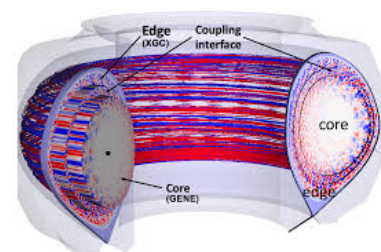
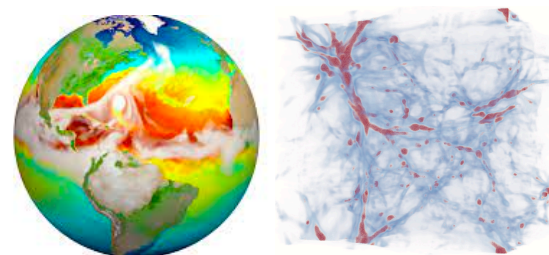


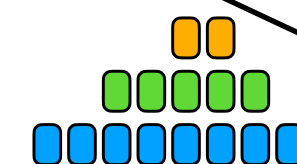
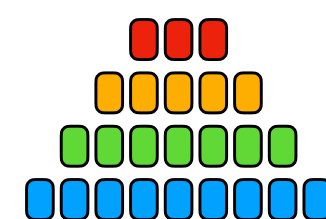
Leadership Facilities and Instruments



DataPoly: Refactoring data for writing (Thrust 1)



Refactored format



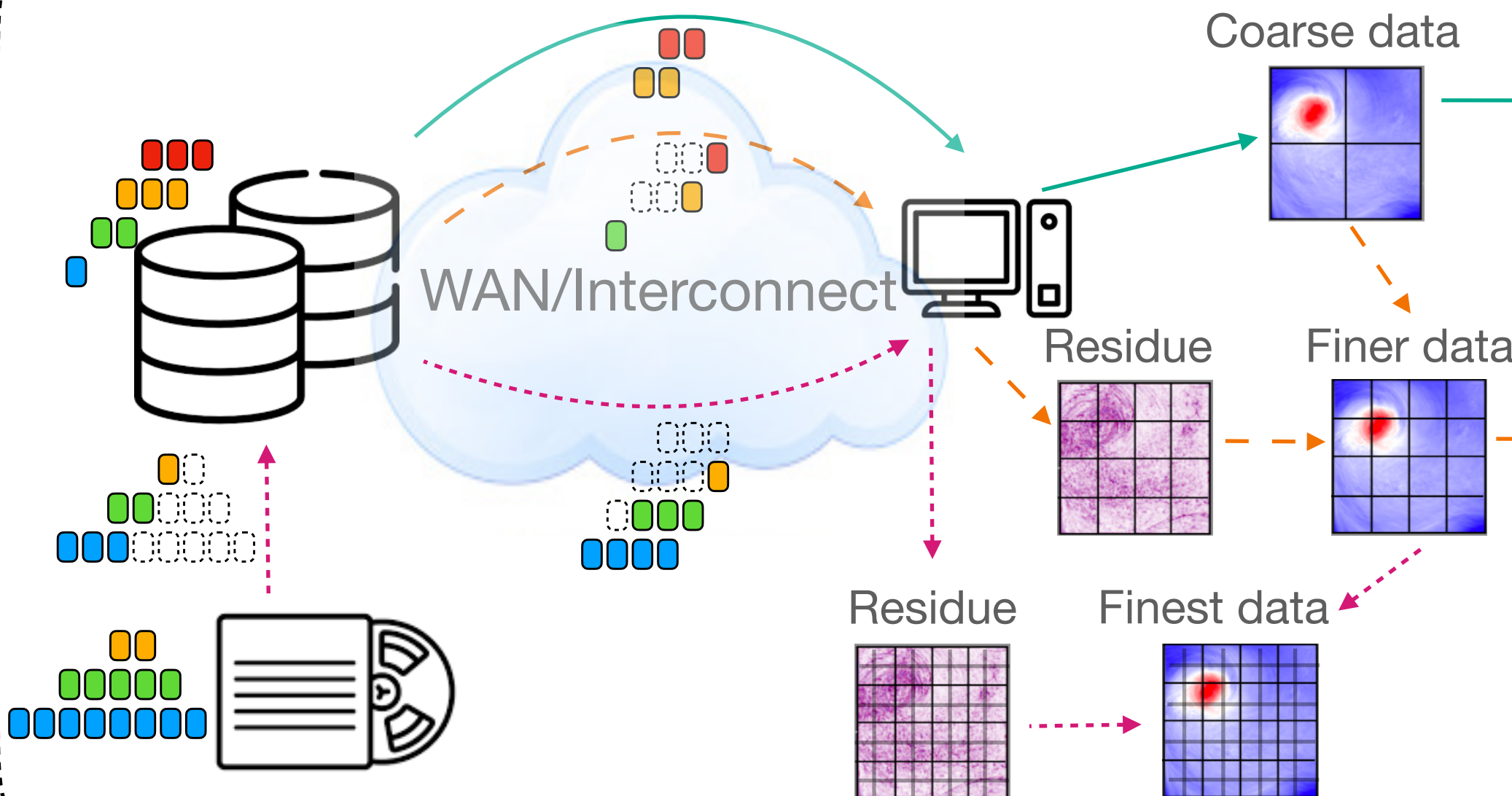
Parallel File Systems



Secondary Storage Systems



DataPoly: Polymorphic retrieval (Thrust 2)



1. Request data s.t. $\epsilon_{\mathcal{A}_1} < \tau_1$

s.t. $\epsilon_{\mathcal{A}_1} < \tau_1$

Exploratory analytics \mathcal{A}_1 with tolerance τ_1

Data of interest?

Yes

No

2. Request additional data s.t. $\epsilon_{\mathcal{A}_2} < \tau_2$

Advanced analytics \mathcal{A}_2 with tolerance τ_2

Needs validation?

Yes

No

3. Request more data s.t. $\epsilon_{\mathcal{A}_3} < \tau_3$

High-fidelity analytics \mathcal{A}_3 with tolerance τ_3

Proceed to other snapshots

DataPoly: Performance and integration (Thrust 3)

