

Facility for Parallel optimization/training

Optimization of the DNN networks is often demanding

Improvements to explore in the context of CN1 (in **close relationship with WP5**):

- Optimization would benefit from **parallelization strategies**
- Explore **distributed training strategies**.

A testbed with ~10 GPU (guesstimate) to test optimization and training parallelization would be desirable.

Difficult to estimate a production phase for this specific use case, but a GPU farm would benefit many cases.

(human) training/discussion on parallel optimization/(machine)training is desirable

Facility for interactive analysis

- In CMS: sviluppo di una infrastruttura per lo sfruttamento delle risorse di calcolo italiane come facility per analisi distribuita quasi interattiva
 - È stato realizzato un prototipo
 - Interessante perché generalizzabile
 - **Cruciale l'accesso ai dati**

