New idea, model, algorithm, library, hardware





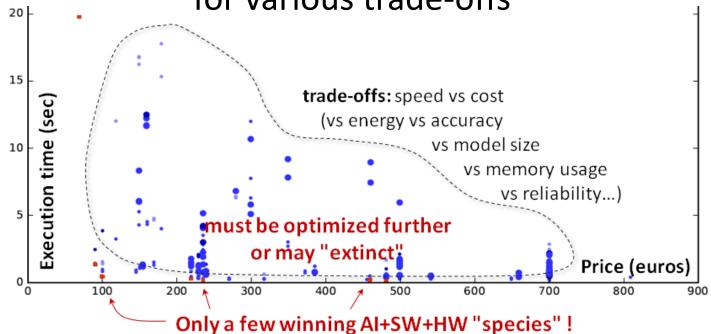
Assemble portable and customizable Collective Knowledge workflows targeting CPU,GPU,DSP,NN ...



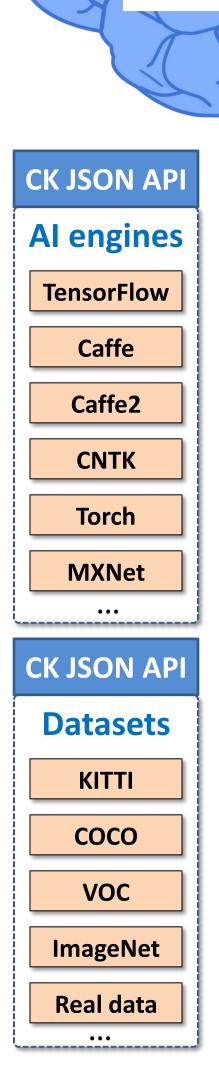
Run and optimize across diverse models, data sets and platforms with GPU,DSP,NN accelerators ...



Select winning/surviving configurations (species) for various trade-offs



Share winning artifacts and workflows
Reproduce, extend and build upon past research
Accelerate knowledge discovery, reduce R&D costs
Enable innovative and efficient systems



CK JSON API CK JSON API Libraries Models OpenBLAS AlexNet ViennaCL GoogleNet **clBLAS CLBlast VGG cuBLAS ResNet SqueezeNet cuDNN SqueezeDet** Eigen gemmlowp **SSD MobileNets ARMCL**

Targets

Windows

Android

Linux

MacOS

Collective Knowledge repository

of reusable artifacts









