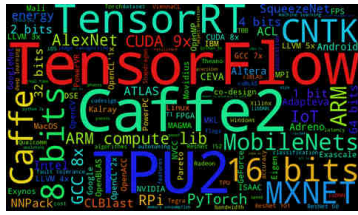


# Connect AI, ML and systems researchers



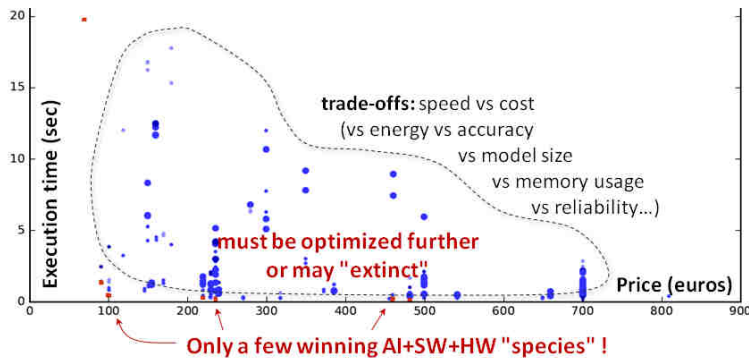
using portable, customizable and reusable  
Collective Knowledge workflows



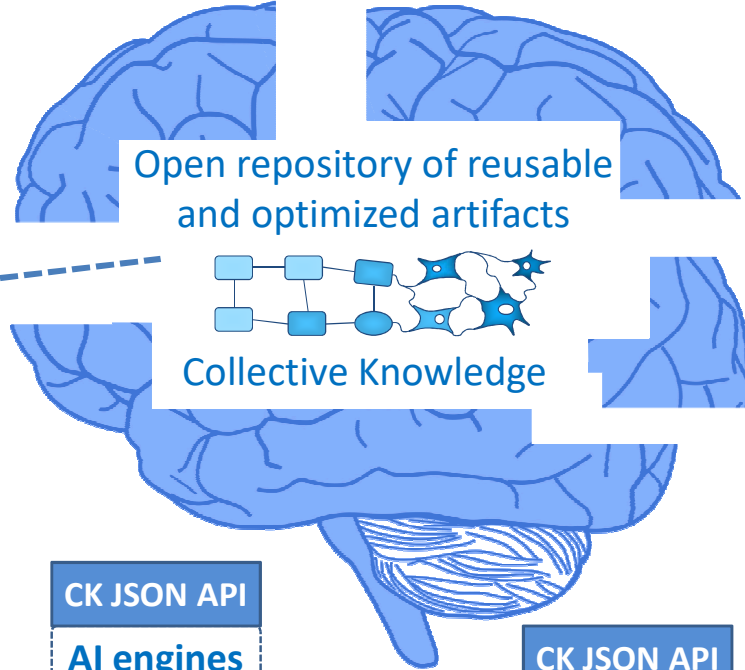
Run and optimize emerging workloads such as  
deep learning across diverse models, data sets  
and platforms with GPU, DSP, NN accelerators ...



Select and share winning SW/HW/model species  
(configurations) for various trade-offs



Reproduce, extend and build upon past research;  
Accelerate knowledge discovery, reduce R&D costs;  
Enable efficient AI-based systems



<b>CK JSON API</b>	<b>CK JSON API</b>	<b>CK JSON API</b>
<b>AI engines</b>	<b>Models</b>	<b>Libraries</b>
TensorFlow	AlexNet	OpenBLAS
Caffe	GoogleNet	ViennaCL
Caffe2	VGG	cBLAS
CNTK	ResNet	CLBlast
Torch	SqueezeNet	cuBLAS
MXNet	SqueezeDet	cuDNN
...	SSD	Eigen
<b>CK JSON API</b>	<b>MobileNets</b>	gemmlowp
<b>Datasets</b>	...	ArmCL
KITTI		
COCO		
VOC		
ImageNet		
Real data		
...		
<b>CK JSON API</b>	<b>Targets</b>	
	Linux	Windows
	MacOS	Android
	...	