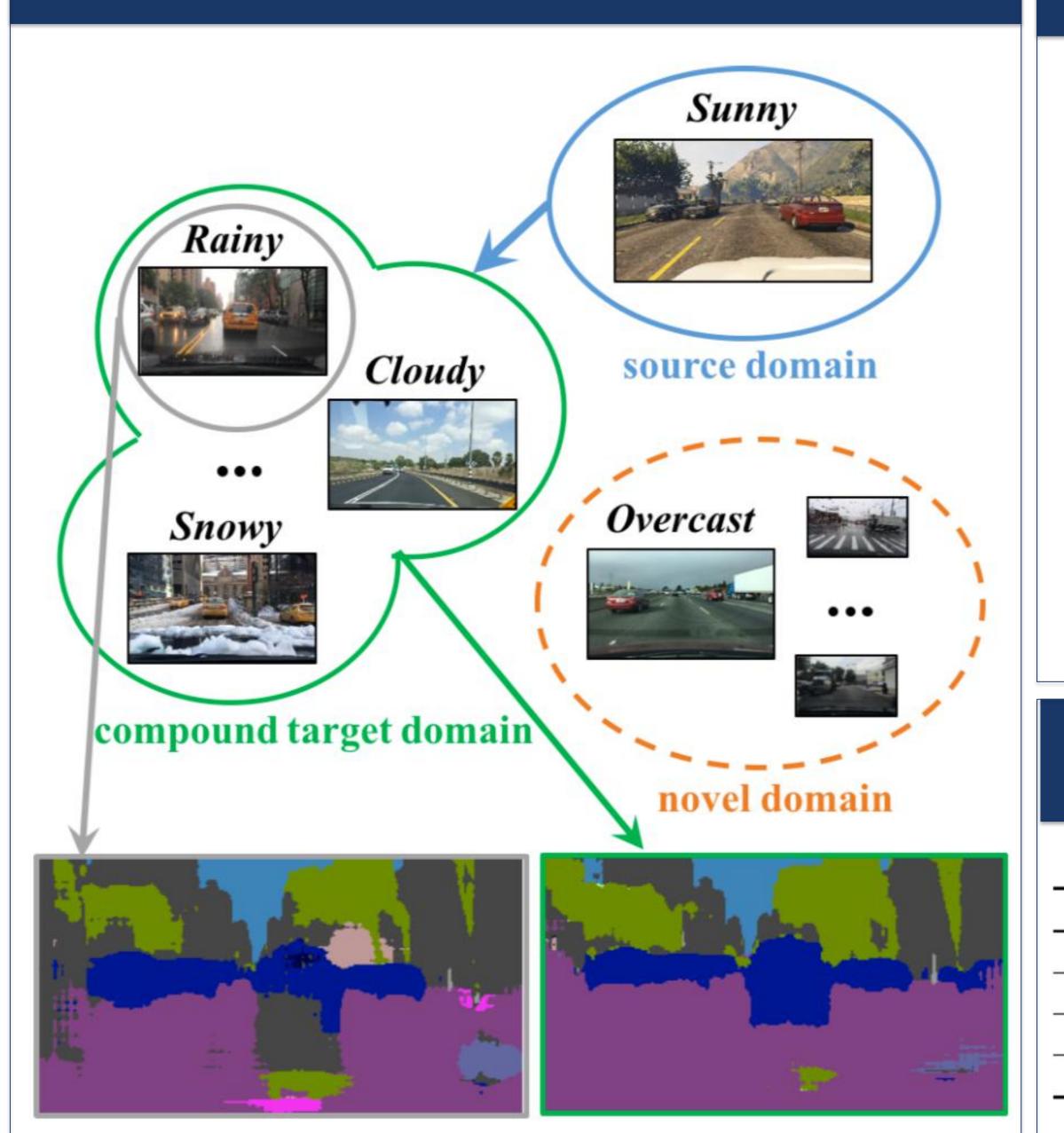


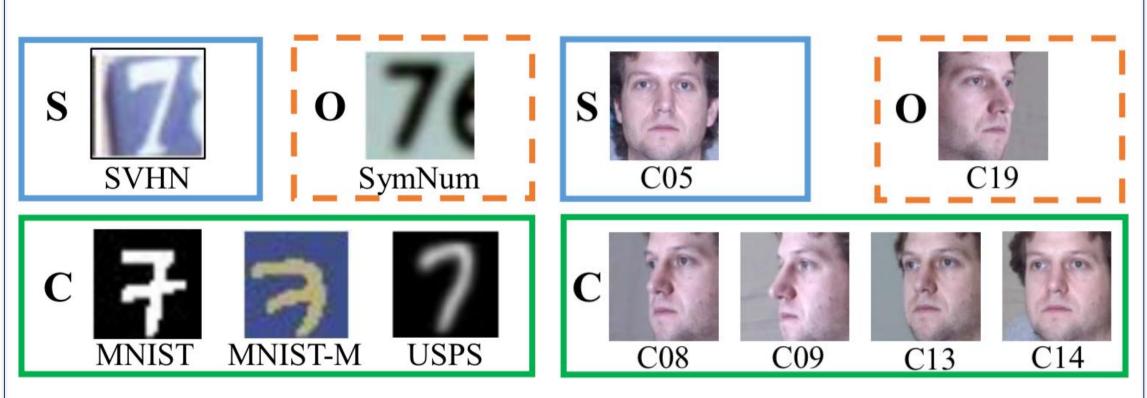
**Code, Model and Data** 



## Open Compound Domain Adaptation

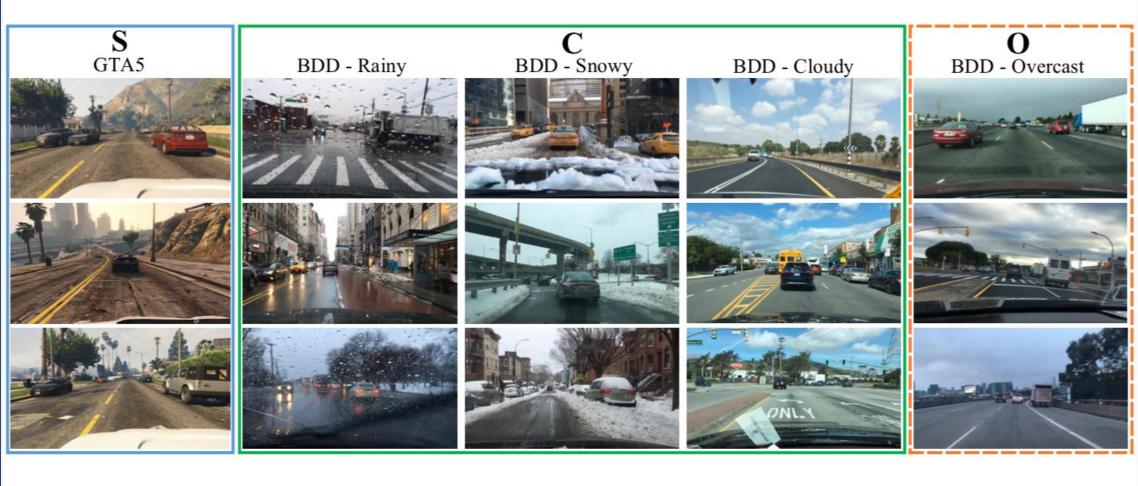


## Benchmarks

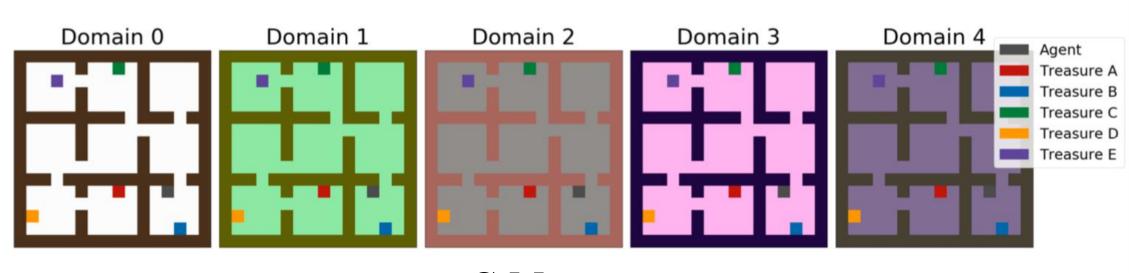


**C-Digits** 

**C-Faces** 



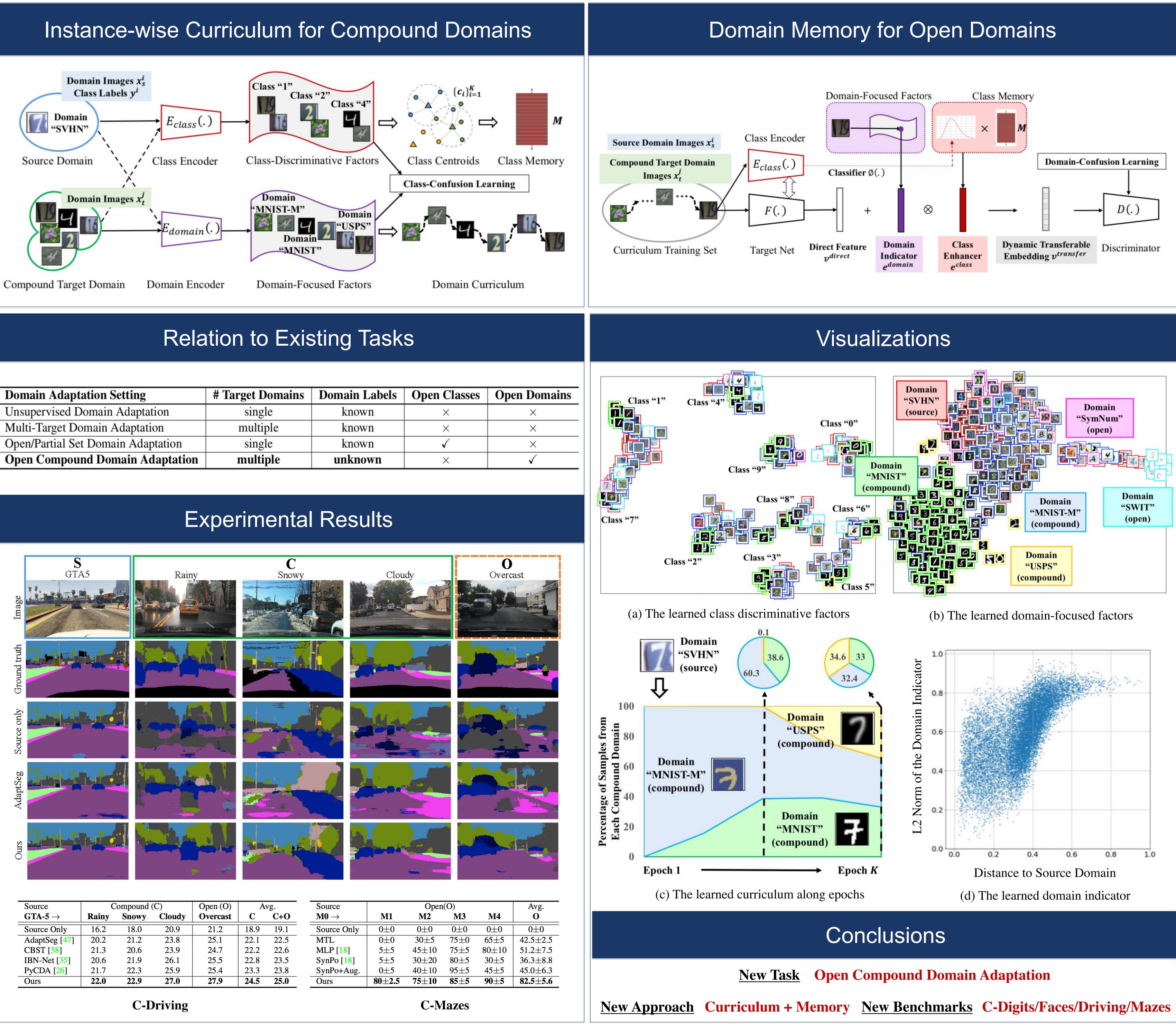
### **C-Driving**



**C-Mazes** 

## **Open Compound Domain Adaptation**

The Chinese University of Hong Kong & UC Berkeley / ICSI & Google Inc.



Domain Adaptation Setting	# Target Domains	Domain Labels	
Unsupervised Domain Adaptation	single	known	
Multi-Target Domain Adaptation	multiple	known	
<b>Open/Partial Set Domain Adaptation</b>	single	known	
<b>Open Compound Domain Adaptation</b>	multiple	unknown	

Image	S GTA5	Rainy	C Snowy	Cloudy
Ground truth				
Source only				
AdaptSeg				
Ours				

Source	Compound (C)		Open (O) Avg.		vg.	Source			
$\text{GTA-5} \rightarrow$	Rainy	Snowy	Cloudy	Overcast	С	C+O	${ m M0}  ightarrow$	M1	Ν
Source Only	16.2	18.0	20.9	21.2	18.9	19.1	Source Only	0±0	0
AdaptSeg [47]	20.2	21.2	23.8	25.1	22.1	22.5	MTL	$0\pm 0$	30
CBST [58]	21.3	20.6	23.9	24.7	22.2	22.6	MLP [18]	5±5	45:
IBN-Net [35]	20.6	21.9	26.1	25.5	22.8	23.5	SynPo [18]	5±5	30:
PyCDA [26]	21.7	22.3	25.9	25.4	23.3	23.8	SynPo+Aug.	$0\pm5$	40:
Ours	22.0	22.9	27.0	27.9	24.5	25.0	Ours	80±2.5	75

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