

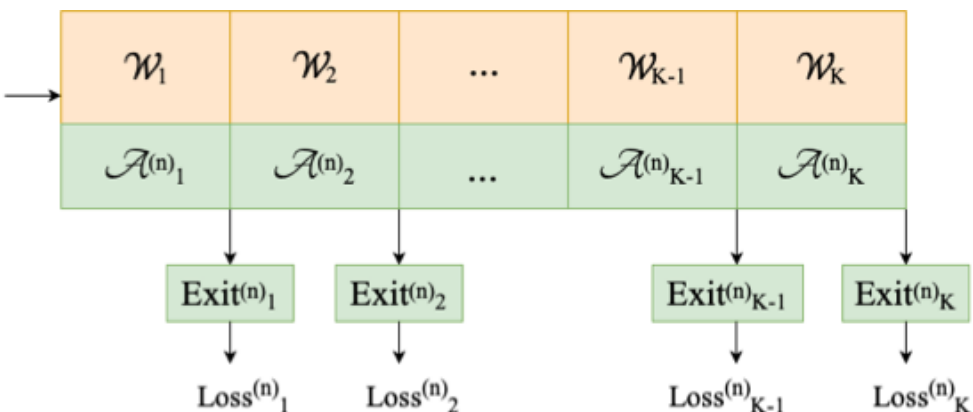
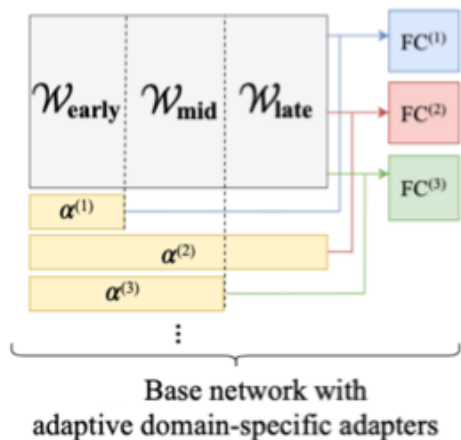
Not all domains are equally complex: Adaptive Multi-Domain Learning

Ali Senhaji*, Jenni Raitoharju†, Moncef Gabbouj* and Alexandros Iosifidis‡

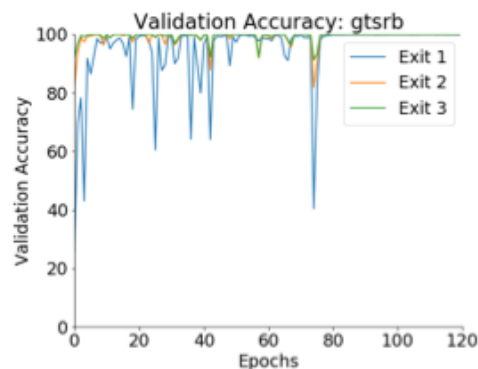
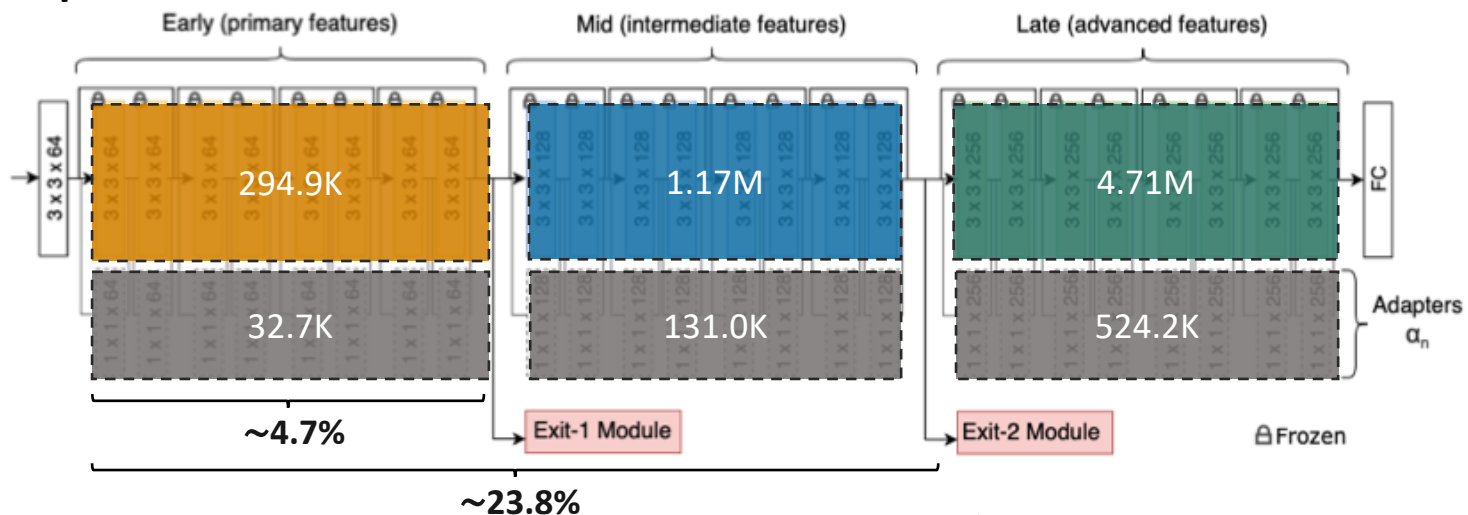
*Tampere University, Finland | †Finnish Environment Institute, Finland | ‡Aarhus University, Denmark

Proposed Method

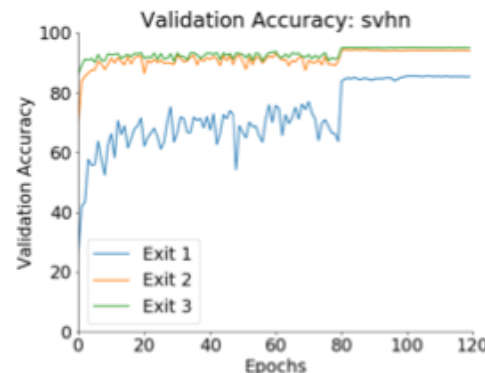
We propose an adaptive parametric neural network architecture for multi-domain learning, where the complexity of the architecture for a specific domain depends on the level of complexity of each domain.



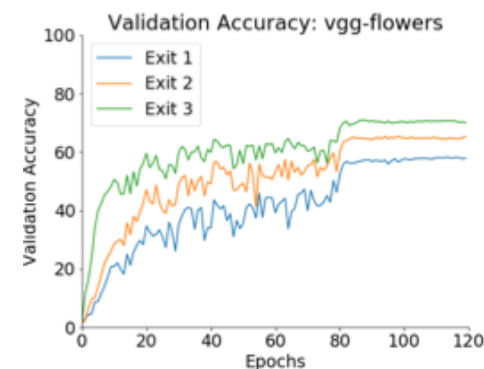
Experiments



Easy Domain



Intermediate Domain



Challenging Domain