User Space Driver - Class Diagram Controller int riverState; getRiverState(); int int reconfigureFPGA(); loadConfiguration(); int setInputs(); int riverMonitoring(); void (C)Driver o void* base address; unsigned int uio size; **ANNService** unsigned int* Inputs; unsigned int* Output; unsigned int* layerWeigth; int initModule(); unsigned int* laverBias: startOP(); int unsigned int* outputWeigth; loadWeigths(); int unsigned int* outputBias; setInputs(); int unsigned input_hw; int* getResult(); int unsigned int* output hw; ANN(); ~ANN(); getAddr(); mapPorts(); assignToPhysical(); unsigned int* DriverN(); ~Driver(); (c)ANN DAO □ void* persistenceDependency; ANN DAO(Persistence); ~ANN DAO(); loadData(); int* storeData();

int

int

int