	nest_to_tvb	nest_to_tvb	
«ConsumerNESTData» Package::SimulatorIO	NEST Output	TVB Output	«ConsumerTVBData» Package::SimulatorIO
simulation_time: Receive data from NEST and add them in a shared buffer Responsibilities Get data from NEST transfert to transformer			simulation_time : Receive data from TVB and transfert them to transformer Responsibilities Get data from TVB transfert to transformer
«TransformerSpikeRate» Packaoe::SimulatorIO	Transformer	Transformer	«TransformerRateSpike» Packace::SimulatorIO
synch: time of synchronization dt: time of integration dt: time of integration path, init: path of file with initial condition shape: shape of the buffer with the size of the window buffer: buffer with the count of spikes			id: id of NEST devices percentage_shared: percentage of shared spikes nb_spike_generator: number of spike generator nb_synapse: number of synapse attach to the generator function, transformation; selection function of transformation save_hist: saving the histogram
save_hist: saving the histogram save_rate: saving the rate generate			save_rate: saving the rate generate 
simulation_time: Transformation function of the spike to rate add_spikes(count, size_buffer, buffer); adding spike in the histogram analyse(count, hist); analyse the histogram to generate state variable and the time			simulation, time: Transformation function of the spike to rate generate_spike(count,time_step,rate); generator of spikes from rates using elephant
Responsibilities - 1) get the spike - 2) transform spike to rate - 3) send rate - 3) send rate The step 1 and 3 need to be dissociate for synchronization requirement. This dissociation allow the transformation module to buffer one more step from the sender or the receiver.			Responsibilities  - 1) get the spike 2) transform spike to rate 3) send rate The step 1 and 3 need to be dissociate for synchronization requirement. This dissociation allow the transformation module to buffer one more step from the sender or the receiver.
«ProducerTVBData» Package::SimulatorIO	TVB Input	NEST Input	«ProducerDataNEST.» Package::SimulatorIO
simulation_time: Produce data to TVB from receiving data. Responsibilities Receiving data from transformer Send to TVB			Inclusive Supre-cented on the first spike detector simulation time: Produce data to NEST from a shared buffer Responsibilities Receiving data from transformer Send to NEST